

NEWS RELEASES 2002

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December 11, 2002

IU Mini Medical School-Spring Session The Pain and Gain Lays Mainly in the Brain

INDIANAPOLIS - It's a mass of nerve tissue, consisting of an outer cortex of gray matter and an inner mass of white matter, all contained within the skull. It's part of a complex electrical system that receives impulses and transmits messages - an on-off switch that controls our mental and physical actions, voluntary and involuntary.

Physicians and researchers at the Indiana University School of Medicine will offer their thoughts about brain function and disease in a series of weekly lectures at the spring session of IU Mini Medical School, Feb. 11 to March 18.

Each session meets at 7 p.m. Tuesday, in the lower-level auditorium at the Riley Outpatient Center on the Indiana University-Purdue University Indianapolis campus.

One of the main goals of the twice-annual Mini Medical School is to introduce and explain to the public - in everyday language - the latest issues and developments in health care and research.

Speakers and topics for the 2003 IU Mini Medical School:

Feb. 11	<i>Anatomy of the Brain</i>	William DeMyer, M.D., professor emeritus of neurology
Feb. 18	<i>Social Influences on the Brain</i>	Susan Ball, Ph.D., William Kronenberger, Ph.D., psychologists
Feb. 25	<i>Brain Surgeries</i>	Robert Worth, M.D., professor of neurosurgery
March 4	<i>Movement Disorders in Children and Adults</i>	Bhuwan Garg, M.D., professor of pediatric neurology Robert Timmerman, M.D., clinical assistant professor radiation oncology Joanne Wojcieszek, M.D., associate professor of neurology
March 11	<i>Disorders of the Aging Brain: Natural or Created?</i>	Martin Farlow, M.D., professor of neurology and director of the IU Alzheimer disease clinic
March 18	<i>Pain: the Good, the Bad and the Ugly</i>	Michael Vasko, Ph.D., professor of pharmacology

IU Mini Medical School is sponsored by IU Medical Group and Indianapolis radio station WIBC and is offered by the IU School of Medicine Faculty Community Relations Committee through the IUPUI Division of Continuing Studies. Mini Medical School is underwritten by an educational grant from Pfizer.

For information, call 317-278-7600. Advanced registration for Mini Medical School is required; the cost is \$35 per person.



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Sought For
Alzheimer
Disease Study

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**November 22,
2002**
IU Doctor Saluted
For Service to
Physical Medicine
and Rehab

November 2002
MEDITIPS
Indiana University
School of
Medicine

**November 15,
2002**
Child Seat Safety
Clinic Geared
Toward Latino
Families

**November 12,
2002**
ACTIVE Trial
Shows Training
Improves
Memories of
Seniors

**November 8,
2002**
IU School Of
Medicine Seeks
Volunteers For
Diabetic
Neuropathy Study

**November 4,
2002**
IU Geneticists
Help Establish
Spinal Muscular
Disease Registry

October 30, 2002
Medical Library
Director Elected
Fellow In ACMI

October 28, 2002
Noted Scientist

News Release Archives | Media Relations | IU School of Medicine

To Lead Stark
Neurosciences
Research
Institute

October 25, 2002

\$2 Million
Lutheran
Foundation Grant
Advances IU
Heart Research

October 24, 2002

EPA Chief
Appoints IU
Toxicologist to
Science Advisory
Panel

October 22, 2002

Noted Diabetes
Researcher
Receives 2002
Beering Award

Broxmeyer
Receives
Landsteiner
Memorial Award

IU Researchers
Receive Grant To
Increase STD
Vaccination
Rates

IU Surgery Chief
Honored By
American
Academy of
Pediatrics

Physicians
Assume
Leadership Roles
With Research
Group

October 14, 2002

IU Medical School
CIO Appointed

October 13, 2002

Blood Pressure

Medication
Preserves
Cognitive
Function in Older
African-
Americans

October 10, 2002

IU School of
Medicine Seeks
Patients For
Hypertension/
High Cholesterol
Study

October 9, 2002

Parkinson
Disease Patients
Sought For
Clinical Trial

October 7, 2002

IU School of
Medicine
Physician To
Lead American
College of
Radiology

October 3, 2002

Mario Svirsky
Appointed To
International
Academy

October 1, 2002

Patrick Loehrer
Named Wiseman
Professor

October 1, 2002

JAMA Study
Looks at Role of
Pharmacist in
Health Care

**September 26,
2002**

Students Health
Fair Helps Needy,
Trains Future
Docs

September 18,

2002

'Doctors Without Borders' Founder Focuses on Global Relief Efforts

September 13, 2002

Distinguished Professor to Lead U.S. Alcohol Research Institute

September 13, 2002

Braddom Honored With AAEM Lifetime Achievement Award

September 11, 2002

Participants needed for ADHD/Depression Study

September 10, 2002

IU School of Medicine Seeks Patients For Free Colonoscopy Study

September 10, 2002

State Suicide Incidents Trigger Response from Partnership

September 6, 2002

Nutrition, Lifestyle of College Women Focus of Special Seminar

September 5, 2002

Inui Takes Reins of Regenstrief Institute, Top

Role in Health
Research

**September 4,
2002**

Bioethics: Moral
Medicine and
Responsible
Research

August 28, 2002

World Basketball
Games Get A
Dose of Sports
Medicine

August 26, 2002

Kirk Appointed To
Disability
Determination
Committee

August 14, 2002

Alcohol Tolerance
Associated With
Family History, IU
study reveals

August 13, 2002

New PET/CT
Scanner Offers
View To The
Future

Urologists To
Conduct Prostate
Cancer Clinics at
IU, Wishard

August 9, 2002

IU Cancer Center
Names
Cornerstones in
LaGrange County

August 7, 2002

Toxin Injections
Prove Useful For
Spasticity After
Stroke

August 5, 2002

Child Safety
Takes Front Seat

at Clinic, Aug. 9

August 1, 2002

NIMH Study
Finds Anti-
Psychotic
Medication Useful
In Treating
Behavioral
Disturbance
Among Children
With Autism

July 30, 2002

Gamma Knife
Improvements
Will Offer
Efficiency,
Comfort To
Patients

July 18, 2002

Indiana University
Seeking
Volunteers For
Osteoporosis
Study

July 9, 2002

Stroke Patients
with High Blood
Sugar at Higher
Risk of Death

July 3, 2002

Combined
Degrees Promote
Health Care and
Healthy Business

July 2, 2002

Med Student
Earns National
Research
Fellowship Award

June 27, 2002

Edenberg Named
To National
Advisory Council

Miyamoto Named
To HHS Advisory
Council

June 26, 2002

IU Med Students
Placed in Family
Medicine
Clerkships

June 25, 2002

IU, Methodist
Cancer Centers
Seek Participants
for Breast Cancer
Study

June 19, 2002

Riley Hospital
Seeks
Participants For
Mood Disorder
Study

Riley Hospital
Seeks
Participants For
Bipolar Study

June 18, 2002

Boning Up On
The Genetic
Factors Of
Osteoporosis

June 17, 2002

Thirty Indiana
University
medical faculty
listed in America's
Top Doctors

June 17, 2002

Medical Professor
To Lead
Continuing
Medical
Education
Program

June 10, 2002

Saha Receives
Honors from Alma
Mater

June 6, 2002

New IU Pediatrics

**Program Focuses
on Patient
Advocacy**

June 5, 2002

Current Colon
Cancer Screening
Recommendations
Supported By
Study of 40-49
year Olds

Epilepsy
Procedure A First
In Hoosier State

June 3, 2002

Travel Clinic For
Children Opened
at Riley Hospital
for Children

May 28, 2002

Cornetta Named
Chairman Of IU
Department Of
Medical And
Molecular
Genetics

Mental Health
Symposium To
Focus on 9/11
Aftermath

May 19-25, 2002

Emergency
Medical Services
Week Observed
May 19-25

May 20, 2002

Indiana University
Orthopaedic
Surgeon To
Share Cartilage
Growth Research
Results At
National Tissue
Engineering
Conference

May 19, 2002

Emergency

Medical Services
Week Observed
May 19-25

May 17, 2002

Grant Will
Advance
Research of
Infection-Fighting
Blood Cells

May 16, 2002

Packer Receives
Award for Gender-
Specific Medical
Research

May 13, 2002

IU's Indiana
Genomics
Initiative Seminar
Series Begins

Distinguished
Alumnus, Former
Dean To Be
Feted at IU
Medical Alumni
Weekend

May 9, 2002

Hoosier Child
Safety Advocates
Honored for
Programs, Service

May 7, 2002

Car Seat Safety
Clinics Geared for
Indy Latinos

May 1, 2002

Early Intercourse
And Self-Esteem
Linked In
Adolescent
Behavior IU
Researchers Say

April 26, 2002

272 Students To
Receive IU
Medical Degrees
On Mother's Day

April 23, 2002

IU School of
Medicine
Awarded NIH
Kidney Research
Center

April 19, 2002

IU School of
Medicine Seeks
Patients For New
Method of
Treatment for
Gastro
Esophageal
Reflux Disease
(GERD)

April, 2002

MEDTIPS

April 16, 2002

IU Emeritus
Pathologist Edits
World Health
Organization
Cancer Book

April 15, 2002

Loehrer To Lead
Cancer Program
At IU

April 11, 2002

Nation's Only
National
Healthcare
Outreach
Mapping Center
Established

IU School of
Medicine Seeks
Patients For
Panic Disorder
Study

April 2, 2002

Oncology
Symposium To
Honor Dr. Larry
Einhorn

April 1, 2002

Medical Students
Make
Appointment For
'House Calls'

March 28, 2002

IU Medical
Faculty Play
Prominent Role in
Patient Safety
Conference

March 27, 2002

Riley Hospital
Seeks Youths For
Developmental
Disorders Drug
Study

March 22, 2002

IU Med Students
Meet Their
'Matches' for
Residencies

March 21, 2002

IU Medical
Students Collect
Books for
Afghan Med
Schools

March 18, 2002

Riley Physician
Receives National
Recognition

March 7, 2002

IU Medical
Faculty Cited as
"Health Care
Heroes" by
Magazine

March 1, 2002

Medical Honorary
Society Inducts
New IU Members

**February 22,
2002**

Pascuzzi Named
Director of

Neurology
Association

Child Passenger
Safety Takes
Front Seat At
Clinic

**February 18,
2002**

Riley Hospital
Seeks
Participants For
Mood Disorder
Study

IU To Offer
Graduate-Level
Biotechnology
Program

IU Medical
Students' Show
Benefits
Indianapolis'
Homeless

**February 13,
2002**

IU School of
Medicine has key
role in Central
Indiana Life
Sciences Initiative

February 5, 2002

Honing the Tools
to Identify Clues
To
Surviving Cancer

February 4, 2002

Volunteers
Needed for
Crohn's Disease
Research Study

February 1, 2002

Have A Heart?
Learn To Take
Better Care Of It
At Health Fair

January 31, 2002

Ultrasound
Tested As
Prostate Cancer
Therapy At IU

IU, Wishard Use
Technology To
Touch Lives Of
Latino Diabetic
Patients

January 30, 2002

Siblings Needed
For IU Research
Study Into
Alcoholism

Unsafe Bed
Sharing, Sleeping
Practices Linked
To Infant Deaths

Child Safety
Advocates
Sought For
Awards Program

January 25, 2002

Students Will
Become DNA
Detectives at IU
School of
Medicine

January 8, 2002

Travers to Lead
IU Department of
Dermatology

IU Docs Pair Off
For Spring IU Mini
Medical School

Preventing Breast
Cancer Is Goal Of
New Program At
IU Cancer Center

Promising IU
Lung Cancer Trial
Enters New Phase

January 3, 2002

Indiana Alzheimer
Disease
Research
Rewarded With
\$7.7 million NIH
Grant Renewal

IU School of
Medicine Seeks
Youths For Social
Anxiety Study

IU School of
Medicine Seeks
Patients For Free
Colonoscopy
Study

December 11, 2002

IU Mini Medical School-Spring Session The Pain and Gain Lays Mainly in the Brain



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March 18 Pain: the Good, the Bad
and the Ugly

Michael Vasko, Ph.D.,
professor of pharmacology

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December 11, 2002



IU Medical Show Gaining Listeners Throughout Indiana

INDIANAPOLIS - Turn on, tune in - and drop into an hour of thought-provoking discussion about the latest issues in health care and research on *Sound Medicine* - the weekly radio show of the Indiana University School of Medicine.

Experts in fields ranging from cancer treatment to nutrition, from Alzheimer disease research to genetic testing are featured on each hour-long show, which is co-produced by the School and WFYI Public Radio (90.1 FM) in Indianapolis. The program airs on at noon each Saturday in the Indianapolis area, but has added many listeners throughout the state since the program began in April 2001.

Stations carrying *Sound Medicine* and its air times:

- Anderson WBSB (89.5 FM), 7 a.m. Sunday
- Bloomington WFIU (103.7 FM), 6 p.m. Sunday
- Columbus WFIU (100.7 FM), 6 p.m. Sunday
- Hagerstown/New Castle WBSH (91.1 FM), 7 a.m. Sunday
- Kokomo WFIU (106.1 FM), 6 p.m. Sunday
- Marion WBSW (90.9 FM), 7 a.m. Sunday
- Muncie WBST (92.1 FM) 7 a.m. Sunday
- Portland WBSJ (91.7 FM), 7 a.m. Sunday
- Terre Haute (WFIU 95.1), 6 p.m. Sunday

Host Barbara Lewis interviews medical experts from the IU School of Medicine and around the country on a wide range of issues in medicine. She's joined each week by four rotating co-hosts, all of whom are School faculty members: Ora Pescovitz, M.D., executive associate dean for research affairs; David Crabb, M.D., chair of the Department of Medicine; Michael Koch, M.D., chair of the Department of Urology; and Kathy Miller, M.D., a breast cancer specialist at the IU Cancer Center.

"Our goal from the beginning has been to create an interesting and compelling show that gives listeners medically accurate information and we believe our increased listenership indicates we're reaching people with the right message," says Pamela Perry, executive producer of *Sound Medicine* and director of Public and Media Relations at the IU School of Medicine. "Foremost, we educate and motivate consumers to make informed health care choices for themselves and their families.

Each week's program and previous shows can be heard online at <http://soundmedicine.iu.edu/>.

Sound Medicine is made possible through grants from Indiana University Medical Group, Wishard Health Services and Clarian Health Partners.

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December 10, 2002

IU School of Medicine Seeks Volunteers For Alzheimer Disease Study

INDIANAPOLIS - The Indiana University School of Medicine is seeking volunteers to determine the effectiveness of a medication on patients with severe Alzheimer disease.

The study aims to determine whether Aricept, a medication that already has been approved for treatment of mild to moderate Alzheimer disease, is effective for advanced stages as well.

Participants should be over 50 years of age, should not be on any other medications, must live at home but need assistance with daily activities.

The study will require five visits to the IU Medical Center over a period of 24 weeks. Enrollment will continue until December 2003.

For more information, call Judy Caress, R.N., at 317-274-1354.

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December 4, 2002



Indiana, Purdue Universities Collaborate For Better Medicine

INDIANAPOLIS -- Indiana University School of Medicine and Purdue University researchers have launched a collaboration to increase knowledge of diseases and develop better treatments for humans and animals.

Scientists from Purdue's schools of Agriculture and Veterinary Medicine and the IU School of Medicine are initiating the Program of Comparative Medicine through a \$2 million, two-year start-up grant from the Indiana 21st Century Research and Technology Fund. The program has a total of \$4.5 million in initial funding due to contributions from the Purdue schools of Agriculture and Veterinary Medicine, the IU School of Medicine Department of Pediatrics and the Indiana Genomics Initiative.

"Much of the work we do at Purdue in both the Department of Animal Sciences and the School of Veterinary Medicine impacts both animal and human health," said Randy Woodson, Ph.D., director of Agricultural Research and co-author of the proposal that netted the state funding. "Purdue's role is to develop animal models for human diseases that also will provide benefits for improved pet and livestock health and productivity."

IU scientists bring to the program expertise in understanding disease development and treatment, said Mervin C. Yoder, M.D., a professor of pediatrics, biochemistry and molecular biology at IU.

The researchers believe the best way to understand human disease is to understand similar diseases in other animals, said Dr. Yoder, who co-wrote the grant proposal with Woodson.

"By studying multiple species, we'll learn more about diseases and ways to treat them," he said.

The research at Purdue will involve a number of current animal sciences and veterinary medicine faculty members and also researchers in two new positions for which the Department of Animal Sciences is recruiting, said department head Alan Grant, Ph.D.

"This draws on our existing facilities and faculties at both universities and also calls for some renovation of laboratory space for the new researchers we will be adding," Dr. Grant said. "Researchers at both Purdue and IU Medical School are already studying scientific areas that apply to diseases such as muscle wasting, obesity, diabetes and cancer."

IU medical school also is recruiting two additional researchers and renovating laboratory space for the Program of Comparative Medicine. The program already has two laboratories devoted to animal stem cell research in rodents and Zebra fish.

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Currently, IU School of Medicine researchers are utilizing mouse models of Fanconi anemia, neurofibromatosis, inherited anemia, chronic granulomatous disease to devise new methods of diagnosis and treatment. Yoder and other participating IU School of Medicine scientists are affiliated with the Herman B Wells Center for Pediatric Research, which focuses on devastating diseases that affect children. The center's major areas of research include cancer, pediatric endocrinology, hematopoietic stem cell biology, cardiology, and development.

Harm HogenEsch, DVM, Ph.D., head of the Purdue veterinary school's Department of Pathobiology and an immunopathology professor, said the Program of Comparative Medicine will focus on developing and using animal models of human diseases and on the comparative analysis of stem cells. Stem cells are immature cells that can develop into different types of cells. For instance, under special circumstances muscle stem cells will differentiate into fat cells, bone-forming cells, blood cells and endothelial cells - the cells that form the lining in blood vessels, the heart and some other organs.

"This collaboration will allow us to be more competitive for federal grants from such sources as the National Institutes of Health," said Dr. HogenEsch, who co-directs the program with Dr. Yoder.

"Purdue is conducting really excellent, important research that links not just to animal health but also to human diseases," he said. "We've been doing this work for a long time, but it hasn't always been obvious. This program gives our research higher profile."

Other researchers involved in the Program of Comparative Medicine are:

From Purdue: Kevin Hannon, associate professor of basic medical sciences; Suresh Mittal, DVM, Ph.D., associate professor of veterinary pathobiology; Dina Andrews, DVM, Ph.D., assistant professor of veterinary pathobiology; John Christian, DVM, Ph.D., associate professor of veterinary pathobiology; Steve Hooser, DVM, Ph.D., assistant director of Indiana Animal Disease Diagnostic Laboratories and associate professor of veterinary pathology; Michael Spurlock, Ph.D., associate professor of animals sciences; Rebecca Krisher, Ph.D., assistant professor of animal sciences; and Paul Collodi, Ph.D., professor of animal sciences. From IU School of Medicine: David A. Ingram Jr., M.D., assistant professor of pediatrics; D. Wade Clapp, M.D., associate professor pediatrics, microbiology and immunology; and Laura Haneline, M.D., assistant professor of pediatrics.

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Alan Grant, (765) 494-4809, agrant@purdue.edu

Related Web sites:

The Comparative Medicine Program: <http://www.comparative-med.org>
Indiana University School of Medicine: <http://www.medicine.iu.edu>
Indiana Genomics Initiative: <http://www.ingen.iu.edu/>
Herman B Wells Center for Pediatric Research: <http://www.iupui.edu/~wellsctr/>
Purdue School of Agriculture: <http://www.agriculture.purdue.edu>
Purdue Department of Animal Science: <http://www.ansc.purdue.edu>
Purdue School of Veterinary Medicine: <http://www.vet.purdue.edu>
Purdue Department of Veterinary Pathology: <http://www.vet.purdue.edu/vpb/index.htm>

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December 4, 2002

IU and BSA Design Collaborate to Establish Radiology Reading Room Best Practices



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Indianapolis, IN -- Indiana University Radiology Associates, the IU Department of Radiology and BSA Design (BSA), will collaborate to design an efficient user-friendly design to bring radiology reading rooms into the 21st century. This joint research project will be performed at the IU Radiology REWARDS Institute in Indianapolis.

The facility is a dedicated, configurable research environment in which sound, lighting, enclosures, ergonomics, room layout and other factors critical to the soft copy environment can be adjusted.

The new environment will accommodate computer images, replacing the time-honored hard copy films radiologists have used for year. Wurster Construction of Indianapolis will provide construction support for the research. As part of their one year agreement, BSA, the IU Department of Radiology and Wurster Construction will supply the personnel, materials and services to fund the estimated \$100,000 project.

“We have moved away from reading hard copy films to computerized, or soft copy, images. While this has increased the speed with which radiologists receive the images for interpretation, it has not fundamentally changed the process for performing our interpretations,” says Annette Johnson, MD., assistant professor of radiology.

“Our research with BSA will allow us to better understand how to redesign space to facilitate the interpretation of computer based images and create environments that can be customized for individual needs,” Dr. Johnson says.

In describing the project, Todd Buerger of BSA Design, said, “We will investigate the characteristics of a computerized, or soft copy, reading environment and define those requirements that will allow radiologists to interpret images with greater time efficiency, increased satisfaction and reduced fatigue.”

These are critical components for any image interpretation environment, especially since workloads are increasing and timely report delivery continues to be a primary goal for radiology groups. “We will utilize the concept of ‘space programming’ - how to carve out zones for individual tasks as well as colleague interaction, with a goal of optimizing productivity,” says Buerger.

In mid-2002, the REWARDS Institute performed a survey of the IU Radiology Associates faculty to assess their satisfaction with soft copy image interpretation environments. The survey results were compelling in terms of how design factors can impact productivity. The survey showed that current facilities were not meeting the needs of the radiologists with regard to soft copy image interpretation.

“It helped us focus on specific factors in our research project,” says Lori Rumreich, MBA, director of the REWARDS Institute. “It also showed that if we could improve the

interpretation environment, it was likely we would have improved radiology report turnarounds, and that means more timely patient care.”

These conclusions helped BSA and IU Radiology define the research project and its goals.

In addition to identifying and documenting the design factors and their impact on productivity, another goal of the research is to identify standards and best practices for computerized image interpretation environments and to disseminate this knowledge in the community.

“We are fortunate to collaborate with BSA Design and Wurster Construction to achieve this goal,” says Mervyn Cohen, MD, MB, CHB, chairman, Department of Radiology. “BSA is a leader in architecture and design and already has established themselves as innovators in the research and design of health care facilities and patient care settings. Their depth and breadth of knowledge in the radiology arena that will allow us to move beyond the superficial and define the next generation radiology department.” The IU Department of Radiology has a faculty of 46 board-certified radiologists, 60 residents and 17 fellows. IU radiologists provides services to five major teaching hospitals in the Indianapolis metropolitan area, including the Clarian Health hospitals, Richard L. Roudebush VA Medical Center, Wishard Health System, and two nearby community hospitals. The unique patient populations from these hospitals provide extensive and varied clinical experiences.

The Department of Radiology supports the REWARDS Institute, housed in a new \$7 million facility owned by IU Radiology Associates, located in the emerging technology park on the canal in downtown Indianapolis. The REWARDS Institute is known for its education programs related to improving clinical productivity, workflow and health care quality and research supporting Picture Archiving and Communication Systems (PACS) process improvements. The REWARDS Institute is a showcase site for the General Electric PACS systems.

BSA Design, headquartered in Indianapolis, is a planning, design, engineering and project management organization which specializes in the analysis of complex facility problems and the formulation of clear options to improve efficiency and increase economic returns. BSA Design provides a comprehensive range of services in the disciplines of architecture, engineering, interior design, planning and project management and is the largest architectural/design firm in Indiana. Additional information about BSA Design can be found at www.bsadesign.com.

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The IU Department of Radiology will staff booth 5403 at the annual Radiological Society of North America, December 1-6. The meeting is at McCormick Place, Chicago. For more information about research and educational programs offered by the REWARDS Institute, please call 317-715-6393.

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December 2, 2002

Aggressive Youths, Violent Video Games Trigger Unusual Brain Activity

INDIANAPOLIS - Exposure to violent media may affect the brains of youths with aggressive tendencies differently than the brains of non-aggressive youths, according to research at the Indiana University School of Medicine.

The results of the study conducted by the Departments of Radiology and Psychiatry were released Monday, Dec. 2, at the 88th Scientific Assembly and Annual Meeting of the Radiological Society of North America in Chicago.

The brain activity of aggressive adolescents diagnosed with disruptive behavior disorders (DBD) is different from that of other adolescents when both groups viewed violent video games, as demonstrated by the study. Brain function was measured by functional MRI (Magnetic Resonance Imaging) scans.

"Initial evidence from the study demonstrates that adolescents with disruptive behavior disorders have different frontal lobe activation patterns than teens without the disorder," said principal investigator Vincent P. Mathews, M.D., professor of radiology and chief of neuroradiology at the IU School of Medicine. "In other words, fMRI scans show less brain activity in the frontal lobe while the youths with DBD watch violent video games. The frontal lobe is the area of the brain responsible for decision-making and behavior control, as well as attention and a variety of other cognitive functions."

"This is the first evidence that adolescents with aggressive, disruptive behavior disorders have brain activation patterns that are different from non-aggressive adolescents while watching video games," said William G. Kronenberger, Ph.D., associate professor of psychiatry and a co-investigator on the study.

Disruptive behavior disorders are separated into two behavioral disorders, one characterized by persistent rule breaking and resistance to the limits of authority. The other consists of significant violations of the basic rights of others and includes such actions as destruction of property, theft, truancy, human or animal cruelty and fire-setting. This study does not differentiate between the two.

The research, conducted over a 24-month period, had teens with DBD and teens without DBD watch a car racing video game that had excitement without violent content and a James Bond video game that had excitement and violent content. While watching the video games, the youths were scanned with fMRI to determine changes in brain activity.

The researchers also found that among subgroups of the non-aggressive adolescents there were differences in brain function dependent upon the amount of violent media exposure that they reported experiencing on television and in video games during the past year.



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"There appears to be a difference in the way the brain responds depending on the amount of past violent media exposure through video games, movies and television," Dr. Mathews explained. "These early findings confirm there is a difference in the brain activation patterns of youths with DBD and those without when exposed to a specific stimulus. There also may be a relationship between violent media exposure and brain activity in normal subjects."

"These results indicate what part of the brain should be studied in future, more controlled research studies," said Dr. Kronenberger.

Other IU researchers involved with the study are Mark Lowe, Ph.D., Tie-Qiang Li, Ph.D., Yang Wang, M.D., and David Dunn, M.D.

Funding for this study was provided by the Center for Successful Parenting.

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November 27, 2002

Volunteers Sought For Alzheimer Disease Study

INDIANAPOLIS - The Indiana University School of Medicine is seeking volunteers to determine if simvastatin, a drug approved for lowering cholesterol, is effective in treating mild to moderate Alzheimer disease.

Potential study participants must have Alzheimer disease and be over 50 years of age. They cannot be taking any other cholesterol-lowering drugs, should have normal cholesterol levels and be in good health. The study will require eight visits to the IU Medical Center over a period of one year.

The study is funded by the Alzheimer's Disease Co-operative Study and the National Institute of Aging.

For more information, call Martha Miendez, R.N., at 317-278-9773.

For additional information on clinical trials available at IU School of Medicine, see <http://clinicaltrials.iupui.edu/>.

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November 22, 2002



IU Doctor Saluted For Service to Physical Medicine and Rehab

INDIANAPOLIS - Randall L. Braddom, M.D., M.S., has been honored with the Distinguished Member Award for his contributions to medicine by the American Academy of Physical Medicine and Rehabilitation.

The AAPM&R recognized Dr. Braddom for his contributions to his specialty and his participation in physical medicine and rehabilitation programs by the organization Nov. 22 at its annual meeting in Orlando, Fla. The Academy, which Dr. Braddom served as president in 1995-96, previously honored him in 1997 with the Recognition Award for Distinguished Clinicians.

Physical medicine and rehabilitation physicians, often called physiatrists, work with patients having acute and chronic pain, catastrophic injuries, musculoskeletal disorders, back and sports-related injuries. They also coordinate long-term rehabilitation regimens for patients with spinal cord injuries, stroke and neurological disorders, cancer, amputations and multiple sclerosis.

Dr. Braddom, the founding chair of the Department of Physical Medicine and Rehabilitation at the IU School of Medicine, also is co-medical director at the IU Acute Rehabilitation Center at Wishard Memorial Hospital. He also has served as associate dean at the School and chief executive officer of Wishard Health Services.

"His influence extends beyond his specialty and into his community," AAPM&R officials said in announcing Dr. Braddom's selection for the award. "He was instrumental in founding Total Living Concepts, Inc. - an accessible apartment building for the disabled in Cincinnati, and he was instrumental in procuring a grant from the State of Ohio to operate an independent living center for the apartment facility."

A graduate of the Ohio State University College of Medicine and Public Health at Columbus, Dr. Braddom, at age 32, became the youngest chair appointed at the University of Cincinnati College of Medicine.

The AAPM&R award comes on the heels of Dr. Braddom's receiving the Lifetime Achievement Award by the American Association of Electrodiagnostic Medicine, an organization he served as president from 1989 to 1991.

Dr. Braddom is editor-in-chief of *Physical Medicine and Rehabilitation*, a textbook published by the Saunders Company. Additionally, he has written numerous scientific articles, book chapters and given more than 60 invited scientific presentations.

The American Academy of Physical Medicine and Rehabilitation is a specialty society of more than 6,300 physicians. For more information about the organization visit its web site at www.aapmr.org.

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The Indiana University School of Medicine is the second-largest medical school in the nation and has campuses throughout Indiana. For more information about the School go to www.medicine.indiana.edu.

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November 2002

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A “keeping up with the Joneses” attitude is something parents may have to handle as their children plead for presents during Christmas and Hanukkah. Ann Lagges, Ph. D., assistant professor of clinical psychology at the Indiana University School of Medicine, says parents should act as role models to their kids. “Parents need to show children that they do not view the holidays as being primarily about gifts.” Mothers and fathers need not feel guilty about not meeting their kids’ gift expectations. “Parents won’t scar their children for life if they do not get the designated expensive-gift-of-the-year,” she adds. Dr. Lagges suggests that instead of making holidays ‘magical’ for kids through gifts, parents should emphasize the non-commercial and giving aspects of holidays by visiting relatives, assisting those in need and participating in volunteer programs.

Oh my aching back! Without being aware of it, many women use their backs as “joints,” causing pain. “When lifting your holiday turkey or ham out of the oven bend at the knees and lift with your thighs,” says Deborah Allen, M.D., professor of family medicine at the Indiana University School of Medicine. And she suggests using care in removing the hot and heavy roasting pan. “Many women,” she says, “either use the wrong method to remove the hot pan from the oven or just can't lift something so heavy and end up burning their hands or arms.” If you make brief and painful contact with a hot oven door, wall or shelf, she recommends putting ice on the burn for 3 to 5 minutes. If the burn blisters she suggests treating it with aloe, either from a plant or in a commercial lotion.

Snuffing out the urge to smoke may be a great idea for a New Year’s resolution. Stephen J. Jay, M.D., M.P.H., chairman of the Department of Public Health at the Indiana University School of Medicine and co-director of the IU Nicotine Dependence Program, says that in order to make this resolution and keep it, smokers should be able to visualize their life ‘on the other side’ as a non-smoker and think about the benefits to them, their families and friends. Planning and execution are important to commitment and motivation. Dr. Jay suggests writing down the benefits of not smoking like “I don’t smell” or “I am in control.” Other tips for successful cessation: drink water and take deep breaths whenever the urge to smoke hits; collect the money one would have spent on cigarettes in a glass jar and reward oneself in the form of gifts from this money for each nonsmoking day; tell family and friends about this resolution and ask for their help in keeping the resolution. “Most smokers quit on their own, but if this fails, get help from a family physician or other community resources. Quitting smoking is all about regaining control over one’s life - self-conquest, autonomy and freedom to choose,” says Dr. Jay.

Risk of asthma attacks is greater in cold weather especially if exercising in the cold, says Michael Busk, M.D., associate professor of clinical medicine and Catherine and Lowe Berger and Pauline Ford Investigator in Pulmonary Medicine at the Indiana University School of Medicine. In individuals who are susceptible, cold air can cause asthma attacks by cooling and drying the airways (bronchi) resulting in the loss of heat and moisture from the airway lining (epithelium). This leads to a series of reactions resulting in the narrowing of the airways causing bronchospasm or an asthma attack, Dr. Busk explains.

“To prevent cold-induced bronchospasm, the best way is to keep the air you breathe warm and moist.” Dr. Busk recommends wearing a mask over the mouth and nose when exercising outside. “But the best place to exercise for people susceptible to asthma attacks is in climate-controlled environment, such as a fitness center,” says Dr. Busk.

Braving the cold to keep in shape may not work for everyone, says Stacey Faryna, R.D., certified health and fitness instructor and research dietitian at the IU Center for Weight Management. However, those who prefer to exercise outdoors in winter must wear a protective layer of clothing and be sure to cover the head to prevent heat loss and frostbite. She also recommends jogging in a well-shoveled and familiar place to avoid slipping or falling on snow or ice or tripping on uneven surfaces in the low visibility. She adds, “Usually, joggers who do venture out during winter are experienced people who have been doing it for years, but folks who are new to cold-weather jogging often underestimate the perils it can present.” Jogging with a buddy is a great way to socialize during the holidays and having help at hand in case of injury.

Indulging without bulging may seem difficult especially during the holidays. A little care and anticipation, however, can go a long way toward having fun without jeopardizing your health, says Stacey Faryna, R.D., research dietitian and certified health and fitness instructor at the IU Center for Weight Management. “Holidays are a good opportunity to socialize but healthy selections of food are important,” she says. She recommends finding out in advance about the menu at a party. To plan ahead for the many calories that will be lobbying for your attention, she says, it may be a good idea to record and maintain a journal of one’s food intake and to set up a planned diet for the holidays with realistic goals. Maintaining activity levels during holidays is also imperative, she notes.

Cheers to controlled drinking! Drinking and holiday parties often go together but overdoing the good cheer is harmful. In order to keep from drinking too much, Alan Schmetzer, M.D., assistant chairman and professor of psychiatry at the Indiana

University School of Medicine, recommends avoiding parties where there is pressure to consume excessive alcohol. He suggests holiday plays and concerts as great options for those who do not want to be presented with the temptation of alcohol. He recommends making a deal with the bartender to cut one off after a couple of drinks. Taking a non-drinking friend along to parties and other tempting situations can help, not only with the driving but also as a voice of reason to keep drinking under control. Those dependent on alcohol should "increase or renew visits to self-help groups and those who know that the holidays have been a time of increased drinking in the past should plan ahead by speaking to a counselor or other qualified individual," Dr. Schmetzer says.

Changes in kids' sleeping schedules during holidays may make them cranky and uncomfortable. Deborah Givan, M.D., professor of clinical pediatrics at the Indiana University School of Medicine, recommends parents try to maintain a routine as close to the daily school schedule as possible. Maintaining similar bedtime and waking times helps children maintain their equilibrium. She also notes that "as the days get shorter and nights lengthen, there is true physical difficulty for children in making adjustments to decreased light." She suggests lowering evening light and raising morning light levels with lamps and overhead fixtures.

Is there really a Santa Claus? Kindly old Saint Nick is the embodiment of qualities every child needs to believe in and a little fantasy is healthy for children because it promotes creativity, says Morris Green, M.D., Perry W. Lesh Professor Emeritus of Pediatrics at the Indiana University School of Medicine and director of the IU Pediatric Child Development Center at Riley Hospital for Children. And there is no need to worry about youthful angst when your children begin to question the existence of Santa. According to Dr. Green, children are very good at rationalizing incongruities. In his 40 years at Riley Hospital, Dr. Green says he has never seen a child who has been emotionally scarred by believing in Santa. And, as we all know, the red suited man and his reindeer have brought joy to the hearts of children of all ages for many, many years.

Want to keep that supple skin? Jeffrey Travers, M.D., Ph.D., chairman and associate professor of dermatology and Kampen-Norins Investigator in Dermatology, says that the primary way moisturizers work is not by adding moisture to the skin; rather they help keep moisture from evaporating. The best time to apply moisturizers is after bathing, while the skin is still damp and hydrated. If your skin is dry, oil-based moisturizers may be necessary. Severely dry skin calls for heavy creams and thick ointments.

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November 15, 2002

Child Seat Safety Clinic Geared Toward Latino Families

INDIANAPOLIS - Safety should always take a front seat when adults are transporting youngsters in motor vehicles - and that's the message experts at the Indiana University School of Medicine are taking to the city's burgeoning Latino population.

The School's Automotive Safety Program for Children will sponsor a child-seat safety clinic from 1 p.m. to 4 p.m., Thursday, Nov. 21, at the Vida Nueva United Methodist Church, 2801 W. Washington Street. Bilingual specialists will be on hand to demonstrate the proper use of car seats and to inspect the condition of those already in use.

The clinic is made possible by a grant from the State Farm Insurance companies. Co-sponsors are the Indiana Minority Health Coalition and the Hispanic/Latino Minority Health Coalition of Greater Indianapolis.

"While the fatality and injury rate for children in vehicle crashes has declined the past 20 years, there are still a disproportionate number of Latino children injured and killed," says Justin Sims, safety program project manager. "Having the bilingual technicians on hand to explain to parents and caregivers the proper use of car seats is a good way for us to educate more of the public and further reduce roadway tragedies."

The Automotive Safety Program for Children offers its services statewide. Current programs include child-seat fitting stations and clinics, curricula guides for elementary students and teachers and advocacy materials for parents and organizations.

For more information about the program, call 317-274-2977, or visit its web site at www.preventinjury.org.

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November 12, 2002

ACTIVE Trial Shows Training Improves Memories of Seniors

INDIANAPOLIS - Training sessions improved the memory, concentration and problem-solving skills of health people over the age of 65, according to a study published in the Nov. 13 issue of the Journal of the American Medical Association.

The study, the Advanced Cognitive Training for Independent and Vital Elderly, or ACTIVE, was the largest in the nation involving cognitive training of senior citizens. The study involved 2,802 older adults nationally including 487 participants tested by researchers at the Indiana University School of Medicine.

“The training not only improved participants’ cognitive abilities at the time of the training but the improvement was evident 2 years later,” said Frederick W. Unverzagt, Ph.D., associate professor of psychiatry and co-leader of the study along with David M. Smith, M.D., professor of medicine at the IU School of Medicine. “The results are exciting because they prove that certain thinking and reasoning skills can be improved in older adults.”

Participants were divided into four groups - three groups that received either memory training, reasoning training, or speed of processing training, and a fourth group that received no training. The 10 training sessions were done with small groups of 4-to-5 people, lasting a maximum of 75 minutes. The sessions continue for 5-to-6 weeks. Participants received cognitive testing prior to the training, immediately after the training and again one and two years later.

Those in the memory-training group were taught strategies for remembering word lists and sequences of items, text material and main ideas and details of stories. Participants in the reasoning group were taught how to solve problems that follow patterns. Speed of processing training focused on the ability to identify and locate visual information quickly.

Immediately following the training period, 87 percent of participants in speed training, 74 percent of participants in reasoning training, and 26 percent of participants in memory training demonstrated reliable improvement on their respective cognitive ability. However, the analysis did not find that the improvement in thinking also improved the participants’ ability to perform everyday tasks like preparing food or handling medications.

“All of our participants were living independently at the beginning of the study, so it will be interesting to see if the training can prevent decline in everyday living skills over time,” Dr. Unverzagt said.

The study was funded by the National Institute on Aging and the National Institute of Nursing Research, both components of the National Institutes of Health.

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November 8, 2002

IU School Of Medicine Seeks Volunteers For Diabetic Neuropathy Study

INDIANAPOLIS - The Indiana University School of Medicine is seeking volunteers for a clinical trial studying a medication for diabetic neuropathy, a condition that can result in limb amputation.

The clinical trial aims to determine whether the study drug treats blood vessel damage in diabetics who have diabetic peripheral neuropathy, the symptoms of which include prickling, numbness and burning sensations.

Participants must be age 18 or older, have Type 1 or 2 diabetes, have diabetic peripheral neuropathy, but otherwise be in generally good health. There will be a screening to confirm the participant has diabetic peripheral neuropathy.

The study will require the participants to make about 20 visits to the IU Medical Center over a period of 2-to-4 years. Some financial compensation is available.

For additional information, call Sheryl at 317-274-3948.

Information about clinical trials at the IU School of Medicine can be found at <http://clinicaltrials.iupui.edu>.

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November 4, 2002

IU Geneticists Help Establish Spinal Muscular Disease Registry

INDIANAPOLIS - The Department of Medical and Molecular Genetics at the Indiana University School of Medicine is partnering with Families of Spinal Muscular Atrophy to create a roster to identify and assist people afflicted with this deadly disease.

SMA is a group of inherited and often fatal diseases that destroys nerves controlling voluntary muscle movement. It affects people of all ages, races and both genders. One in every 40 people is believed to carry the gene for SMA for which there is no cure. The child of parents who are carriers of a mutated gene associated with SMA has a one-in-four chance of developing the disorder.

The International SMA Patient Registry, which will provide an effective tool for researchers and the families of those diagnosed with the disease, will collect and code information from patients and place it in a secure database.

The registry, which will be fully funded by the Libertyville, Ill.-based Families of SMA is a vital resource that will help researchers and patients come into closer contact with one another.

"We are at a critical stage on the path for a treatment or cure for SMA. The international registry will lay the foundation to help us effectively move forward when a treatment or treatments become available," says Audrey Lewis, executive director of Families for SMA.

"The information provided by patients completing a questionnaire will be pooled with other information from other individuals and families with SMA," notes P. Michael Conneally, Ph.D., distinguished professor at the IU School of Medicine. "The names of families only would be released to researchers after specific information was granted."

An SMA roster was established in the IU Department of Medical and Molecular Genetics in 1986 in coordination with Families of SMA. The new registry will enhance researchers' efforts and services for families.

Families of SMA is a volunteer non-profit organization dedicated to ending the disease by promoting and supporting research and helping families cope with the disorders. For more information about the organization, go to www.fsma.org or call 800-886-1762.

The IU School of Medicine is the second-largest medical school in the nation and has campuses in nine locations throughout Indiana. For more information about the School go to www.medicine.indiana.edu.



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Families of SMA

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Medical Library Director Elected Fellow In ACMI

INDIANAPOLIS -- Julie McGowan, M.L.S., Ph.D., has been elected as a fellow of the American College of Medical Informatics.

Dr. McGowan is associate dean for information resources and education technology at the Indiana University School of Medicine and director of the Ruth Lilly Medical Library. She also is director of information resources, professor of knowledge informatics and of pediatrics at the medical school.

Her research interests include computers in medical education, telemedicine and medical informatics.

Dr. McGowan will be inducted in November. There are fewer than 150 active fellows in the ACMI, and Dr. Gowan's election brings the IU School of Medicine faculty representation to four, including Clem McDonald, M.D., William Tierney, M.D., and Marc Overhage, M.D.

The ACMI is a college of elected fellows who have made significant and sustained contributions to the field of medical informatics.

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Oct. 28, 2002

Noted Scientist To Lead Stark Neurosciences Research Institute

INDIANAPOLIS -- Gerry Oxford, Ph.D., has been selected as the first executive director of the Paul and Carole Stark Neurosciences Research Institute. Dr. Oxford, who also will be a professor of pharmacology and toxicology, will begin his duties at the Indiana University School of Medicine July 1, pending approval of the Trustees of Indiana University.

The selection of Dr. Oxford ended several years of planning and a 19-month search for the position made possible through the generosity of Dr. Paul and Carole Stark, whose \$15 million gift will help establish an extensive neurosciences research program at IUSM. The Institute will encompass many disciplines of research including medical and molecular genetics, chemistry, anatomy, pharmacology, psychiatry, pathology, physiology, computation, neurology, surgery and imaging.

Dr. Oxford will be charged with implementing the Institute's mission which is to enhance collaboration among scientists who share the goal of understanding the basis of central nervous system diseases and help them realize a greater potential as contributors to the body of neuroscience research.

In announcing the selection, IU School of Medicine Dean Craig Brater, M.D., said Dr. Oxford's experience and talents will lead the new Institute into a place of scientific prominence while capitalizing on the existing research talents at IU.

"Gerry Oxford is one of the top neuroscientists in the country," said Dr. Brater. "He is a noted scientist, but he also brings the attribute of having developed a highly collaborative approach to research and education. He is the perfect person to be the initial executive director of the Stark Neurosciences Institute, where he will coalesce multidisciplinary programs that have remarkable potential for improving our understanding and thereby treatment of a host of now devastating illnesses."

Dr. Oxford has been on faculty at the University of North Carolina at Chapel Hill since 1976. He was named a professor in 1988 in the Department of Physiology and in 1998 was honored with the rank of Distinguished Professor in the Department of Cell and Molecular Physiology.

Along with his research endeavors, Dr. Oxford directs the University of North Carolina's Neurobiology Curriculum. He holds membership in numerous professional societies and was president of the Society of General Physiologists, the primary professional society representing research on the physiology and biophysics of ion channels. He serves on several editorial boards for professional journals and is a section editor of *Sensory Neuron*.

Dr. Oxford graduated cum laude from Elon College and completed his doctorate in physiology at Emory University. He completed a postdoctoral fellowship in pharmacology at Duke University.



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His research interests for the past 20 years have focused on electrophysiological and molecular studies of single cells to investigate the interplay between various neurotransmitter receptors, ion channels and cell signaling pathways that regulate neurosecretory functions and pain sensation in the nervous system.

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Oct. 25, 2002

\$2 Million Lutheran Foundation Grant Advances IU Heart Research

FORT WAYNE, Ind. - A comprehensive research initiative will build strong health-care alliances that greatly increase cardiovascular research in Indiana, thanks to a \$2 million grant from The Lutheran Foundation.

The grant to the Indiana University School of Medicine-Fort Wayne Center to establish the Northern Indiana Cardiovascular Research and Education Center was approved at the Foundation's Annual Meeting on October 24.

This funding will enable the School to recruit a top-notch scientist to direct a research program based at the Center. Other components of the center include the hiring of other researchers and technicians, and the purchase of costly research equipment and technology.

As the research program grows, so too would the alliances among local medical institutions. Economic development in northeastern Indiana is also expected to benefit because of the IUSM research presence.

"We believe this seed money will make it possible for the School's Fort Wayne Center to become stronger partners in future research alliances in northeast Indiana and this certainly can promote the state's economic growth the development of new therapies, drugs and devices to help cardiovascular patients," said Marcia Haaff, Executive Director of The Lutheran Foundation.

"A program such as this can make our center an effective spoke in IU School of Medicine's research hub that is emerging in Indianapolis," said Barth H. Ragatz, Ph. D., assistant dean and director of the Fort Wayne Center. He was referring to the School's vision of expanding its campuses' participation in the emerging life sciences industry and research associated with the IU-based Indiana Genomics Initiative.

A fund was established at The Lutheran Foundation in February 1998 with proceeds from the estate of Francis Alene Collins. This grant for cardiovascular research fits the original intent of Ms. Collins. In addition, one of the primary areas of emphasis for The Lutheran Foundation is health and approving this grant fulfills their mission.

In addition to Fort Wayne, the IU School of Medicine has campuses in Lafayette, Evansville, Muncie, Bloomington, Terre Haute, Gary, South Bend and Indianapolis. Students can attend their first two years at these campuses, but must complete their final two years at the Indianapolis campus. The IU School of Medicine is the second-largest medical school in the United States.

The Lutheran Foundation was established in 1995 as a result of the sale of Lutheran Hospital (Fort Wayne). Since then, the Foundation has awarded more than \$49 million through grants and charitable activities to congregations and non-profit organizations in northeast Indiana.



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For more information about the IU School of Medicine, go to www.medicine.indiana.edu. More details about The Lutheran Foundation can be found at <http://216.25.45.80/member.htm>.

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Oct. 24, 2002

EPA Chief Appoints IU Toxicologist to Science Advisory Panel

INDIANAPOLIS - James E. Klaunig, Ph.D., professor in the Department of Pharmacology and Toxicology at the Indiana University School of Medicine, now is a member of the U.S. Environmental Protection Agency's Science Advisory Board.

Dr. Klaunig recently was appointed to the board by EPA Administrator Christine Todd Whitman and will serve on the panel through 2004.

"Clearly, the knowledge, innovation and scientific and technical expertise of those who serve on the board and its advisory committees plays a big part in the success of a prudent approach to effective environmental protection," Whitman said in announcing Klaunig's appointment.

The EPA Science Advisory Board was established in 1978 and advises the agency on broad scientific matters of science, technology, social and economic issues. It also assists on emergency and other short-notice EPA programs and actions.

Dr. Klaunig serves as the director of the IU School of Medicine's Division of Toxicology and director of the Indiana State Department of Toxicology. He is a fellow in the Academy of Toxicological Sciences and associate editor of Toxicological Sciences.

He also is a member of the National Toxicology Program Board of Scientific Counselors and was appointed to that position in 2000 by the secretary of Health and Human Services.

Dr. Klaunig, who has been a member of the School's faculty since 1991, holds an adjunct professorship with Beijing University in the People's Republic of China. He earned his doctorate at the University of Maryland.

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Oct. 22, 2002

Noted Diabetes Researcher Receives 2002 Beering Award

INDIANAPOLIS -- C. Ronald Kahn, M.D., who performed the defining research on diabetes and insulin action, is the recipient of the 2002 Steven C. Beering Award for Outstanding Achievement in Biomedical Science at Indiana University School of Medicine.

Dr. Kahn, who is being recognized for his work on insulin signaling, is the Mary K. Iaccoca Professor of Medicine at Harvard Medical School, and president and director of the Joslin Diabetes Center in Boston.

He will present the Beering Lecture and receive his award at 8:30 a.m. Wednesday, Oct. 30, in the University Place Conference Center and Hotel auditorium. Dr. Kahn's topic will be "Defining the Multidimensional Insulin Signaling Network."

Presented annually, the Beering Award honors an internationally recognized individual for contributions to the advancement of biomedical or clinical science. The award was named in honor of Steven C. Beering, M.D., who served as dean of the IU School of Medicine from 1974 to 1983, then as president of Purdue University for 17 years, retiring in 2000.

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Oct. 22, 2002

Broxmeyer Receives Landsteiner Memorial Award

INDIANAPOLIS - Hal E. Broxmeyer, Ph.D., has been selected as the 2002 Karl Landsteiner Memorial Award recipient for his research in the regulation and use of stem and progenitor cells.

The prestigious award, presented by the American Association of Blood Banks, claims seven Nobel Prize winners among its honorees. It recognizes original research resulting in an important contribution to the body of scientific knowledge in field of blood-related disease.

Dr. Broxmeyer is chairman and Mary Margaret Walther Professor of Microbiology and Immunology, and scientific director of the Walther Oncology Center at Indiana University School of Medicine.

His laboratory research, which led to the use of umbilical cord blood for stem cell transplantation to treat a large number of malignant and non-malignant diseases, is internationally recognized. Dr. Broxmeyer was a member of the team that successfully performed the first cord blood transplant in 1988 in France for a young boy suffering from Fanconi anemia, a pre-leukemic and often fatal disease. Dr. Broxmeyer's laboratory set up the world's first cord blood banks, which processed the blood for the first five cord blood transplants.

His research continues into the feasibility of using stem cells from cord blood in transplants of children and adults suffering from blood-related diseases such as leukemia and anemia. Cord blood has proven to be a rich source for stem cells from which blood cells develop. Cord blood transplants have caused less graft vs. host disease, compared to bone marrow transplants, and have made available a source of life-saving stem cells for those who could not be adequately tissue matched for a bone marrow transplant.

Another area of research for Dr. Broxmeyer centers on methods to make the cord blood stem cells proliferate outside the body so there is an adequate amount for transplantation into the larger bodies of adults.

The Karl Landsteiner Memorial Award honors Dr. Landsteiner, an Austrian physician researcher who immigrated to the United States in 1922 from the University of Vienna to join the staff of the Rockefeller Institute. For his discovery of the human blood groups, he won the 1930 Nobel Prize in Physiology or Medicine. In 1940, Dr. Landsteiner identified the Rh factor in blood. The annual award given in his memory is sponsored by Ortho-Clinical Diagnostics and presented by the American Association of Blood Banks.

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Oct. 22, 2002

IU Researchers Receive Grant To Increase STD Vaccination Rates

INDIANAPOLIS - The National Institutes of Health is funding a collaborative research effort between faculty at the Indiana University School of Medicine and the IU Kelley School of Business to determine what approaches are most successful to encourage adults to receive hepatitis B vaccinations.

The \$3 million grant will support a five-year behavioral intervention study of adults at high risk for contracting hepatitis B. The computer-assisted study will involve self-interviews taken on a computer by adults selected to participate.

"What we are trying to determine is what kind of brief intervention might increase people's acceptance of hepatitis B vaccinations," said Gregory Zimet, Ph.D., professor of pediatrics at the IU School of Medicine and principal investigator of the study.

Co-investigators are Dena Cox, Ph.D., associate professor of marketing, and Anthony Cox, Ph.D., associate professor of marketing at the Kelley School of Business. Their role will be to develop the messages that will be presented to the participants, all of whom will be recruited from area sexually transmitted disease clinics in Indianapolis and Chicago, where the city's department of health is a data collection site. Other co-investigators include Susan Perkins, Ph.D., assistant professor of medicine, and Janet Arno, M.D., associate professor, Division of Infectious Diseases, IU Department of Medicine.

"This is an exciting collaboration between researchers in the medical and business schools," says Dr. Dena Cox. "While Tony (Cox) and I have conducted several studies examining the effectiveness of alternative persuasion strategies, the stakes are unusually high in this study. This research seeks to determine the most effective approaches to persuading high-risk adults to protect themselves from hepatitis B. If successful, its findings could help prevent the spread of an extremely destructive disease."

Although many states require hepatitis B vaccinations for children entering elementary school, little attention is paid to the risk of infection for adults. Sexual transmission is a common way hepatitis B is spread so adults attending clinics for diagnosis and treatment of sexually transmitted diseases are considered a logical group to approach for this study.

Participants will be asked to answer questions about their knowledge, attitudes and behaviors related to hepatitis B vaccinations. Participants also will be able to listen to the questions on audio headphones while reading the information.

Two categories of intervention will be tested to determine how persuasive health messages should be and whether messages should recommend a specific action or be neutral in the recommendation.



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After completing the questionnaire, participants will then go to their previously scheduled medical appointment and, at the conclusion of the appointment, will be offered a free vaccination. Reminders for second and third doses will be sent to those who accept the vaccination.

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Oct. 22, 2002

IU Surgery Chief Honored By American Academy of Pediatrics

INDIANAPOLIS - The chairman of the Department of Surgery at the Indiana University School of Medicine has been awarded one of the nation's most prestigious honors for pediatric surgery.

Jay L. Grosfeld, M.D., Lafayette F. Page Professor and director of the Pediatric Surgery Section at Riley Hospital for Children, was awarded the William E. Ladd Medal by the American Academy of Pediatrics' surgical section. The award recognizes physicians who have made significant contributions to the field of pediatric surgery.

For more than three decades, Dr. Grosfeld has pioneered pediatric surgical care and medical education in Indiana, the AAP noted in making its award, which was presented Oct. 19 at the organization's annual meeting in Boston.

In 1972, Dr. Grosfeld was appointed surgeon-in-chief, the only person to ever hold that post at Riley, where he also has developed a highly regarded residency training program. He's the only pediatric surgeon to serve as the chair of the American Board of Surgery and was vice chair of the Residency Review Committee for Surgery, sponsored by the Accreditation Council for Graduate Medical Education.

A specialist in neonatal surgery and pediatric surgical oncology, Dr. Grosfeld is the editor-in-chief of the Journal of Pediatric Surgery and Seminars in Pediatric Surgery Surgery, and has written more than six surgical textbooks and hundreds of scientific articles and book chapters.

Dr. Grosfeld, a graduate of New York University School of Medicine, is an honorary fellow of the Royal College of Surgeons of England and is a member of several overseas surgical societies.

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Oct. 22, 2002

Physicians Assume Leadership Roles With Research Group

INDIANAPOLIS -- Three Indiana University School of Medicine faculty members have been elected to leadership positions with the Central Society for Clinical Research.

Rose Fife, M.D., associate dean for research and professor of medicine, was elected as the society's secretary-treasurer. David W. Crabb, M.D., chair of the Department of Medicine and professor of biochemistry and molecular biology, was elected to the organization's governing council. Mitchell Goldman, M.D., associate professor of medicine, was elected as chair of the society's infectious diseases section.

Their term of service is 2002-03. They were elected to their positions at the society's recent annual meeting in Chicago.

The Central Society for Clinical Research is one of the oldest and largest academic medical societies in the Midwest. Its objectives are to advance medicine and promote clinical research in the natural and behavioral sciences and disseminate scientific research findings to the society's membership.

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Oct. 14, 2002

IU School of Medicine CIO Appointed

INDIANAPOLIS -- Vince Sheehan has been appointed chief information officer and associate dean for Information Technologies of the Indiana University School of Medicine.

As CIO, Sheehan will oversee all aspects of the school's information technology environment and will report jointly to D. Craig Brater, M.D., dean of the IU School of Medicine, and Michael McRobbie, Ph.D., IU vice president for Information Technology and CIO.

"Vince has been instrumental in assisting the School of Medicine in the development of an information technology strategic plan that addresses the school's needs in research, teaching and service," said Dean Brater. "It is critical that we have a strong and broadly experienced leader to help us maneuver through the increasingly complex and the changing IT environment as they apply to all the school's missions."

For the past 16 months, Sheehan has been assisting the IU School of Medicine with the development of its strategic plan for technology and serving as interim director for the School's Office of Technology.

"Vince has done a wonderful job and has contributed a great deal as the university information systems director at IUPUI," says McRobbie. "We look forward to working with him in his IT leadership role in the school."

Sheehan is a native of Indianapolis and received his bachelor's degree from Indiana University-Purdue University Indianapolis in 1977. He worked with city government, banking and health care before joining IUPUI in 1998 as director of University Information Systems. For the past three years, he has served as a conference chair for the university's annual WebdevShare Conference and is a fellow of the Frye Leadership Institute.

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October 13, 2002

Blood Pressure Medication Preserves Cognitive Function in Older African-Americans: Another Good Reason for African-Americans to Take Their Blood Pressure Pills



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INDIANAPOLIS - Researchers at The Regenstrief Institute and the Indiana University School of Medicine report that the use of antihypertensive medication by older African-Americans to reduce high blood pressure reduced their odds of cognitive impairment by 38 percent. The study is published in the Oct. 14 issue of the Archives of Internal Medicine.

The researchers, who monitored 1,900 older African-American men and women for five years, found that the continuous use of medications to lower blood pressure reduced the risk of memory loss by more than a third.

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"We have a lot of medications that keep people alive longer, but few to maintain their memories," says Michael D. Murray, PharmD, M.P.H., a research scientist at The Regenstrief Institute, professor of pharmacy at Purdue University, adjunct professor of medicine at the IU School of Medicine and first author of the study. "We have now shown that antihypertensive medications can decrease the risk of cognitive impairment as well as lower the risk of stroke, myocardial infarction and end-stage renal disease.

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This is the first study to find a relationship between medication taken to control high blood pressure and cognitive impairment in older African-Americans, although previous studies suggest that use of antihypertensive medication by Caucasian older adults with high blood pressure preserves cognition. Cognitive impairment is defined as a measurable change in cognitive function.

"Our study provides older African-Americans with yet another reason, in addition to preventing stroke, heart attacks and kidney problems, to take their blood pressure pills," says Dr. Murray.

All the participants were free of cognitive impairment at the beginning of the study and two thirds had high blood pressure. This is the largest longitudinal study to date on the cognitive effects of drugs in older adult African-Americans.

According to the National Center for Health Statistics approximately a quarter of Americans between the ages of 20 to 74 years are hypertensive. More than three-quarters of women age 75 and older in the U.S. have hypertension as do 64 percent of men in the same age range. The prevalence of hypertension is 60 percent greater in African-Americans, and their risk of stroke is 80 percent greater than Caucasians.

"This analysis is part of the ongoing Indianapolis-Ibadan dementia project, a study which is designed to identify potentially modifiable risk factors for Alzheimer disease by comparing the disease in two populations from a developed and developing country - African-Americans living in Indianapolis and Yoruba living in Ibadan,

Nigeria," said Hugh Hendrie, MBChB, research scientist at the Regenstrief Institute and professor of psychiatry at the IU School of Medicine.

Drs. Murray, Hendrie, and colleagues recently began a four-year study sponsored by the National Heart, Lung, Blood Institute to determine whether minority and low-income patients with high blood pressure take their medications better when they are helped by a pharmacist and provided with special medication information aimed at persons with low health literacy. The trial will last four years and will determine whether this medication support improves the medication-taking and reduces blood pressures of these patients.

In addition to Dr. Murray and Dr. Hendrie, co-authors of the Archives of Internal Medicine study on antihypertensive medication and preservation of cognition in older African-Americans are Kathleen A. Lane, M.S., Sujuan Gao, Ph.D., Rebecca M. Evans, M.D., Frederick W. Unverzagt, Ph.D. and Kathleen S. Hall, Ph.D.

This study was supported by a grant from the National Institute on Aging.

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October 10, 2002

IU School of Medicine Seeks Patients For Hypertension/High Cholesterol Study

The Indiana University School of Medicine Department of Endocrinology/Hypertension seeks participants for a free hypertension study.

To qualify for the study, participants must be 50 years of age and older with high blood pressure and high cholesterol.

Participants completing the study will receive compensation for their time. This study will run for 16 weeks.

For more information, call 274-0796 or email: uwagner@iupui.edu.

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October 9, 2002

Parkinson Disease Patients Sought For Clinical Trial

INDIANAPOLIS - The Indiana University Department of Neurology is seeking individuals with Parkinson disease for a clinical trial of a drug hoped to slow the progression of the neurological disorder.

To qualify, individuals must be in the early stages of the disease and should not be on any Parkinson's medications. The two-year study is being conducted at several medical centers in the United States and at least 800 patients will take part in the clinical trial.

For additional information, contact the IU Clinical Trials Research Program at 317-278-0868.

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October 7, 2002

IU School of Medicine Physician To Lead American College of Radiology

INDIANAPOLIS -- Valerie P. Jackson, M.D., was elected president of the American College of Radiology Sept. 29, during the group's annual meeting in Miami, Fla.

Dr. Jackson is the John A. Campbell Professor of Radiology at the Indiana University School of Medicine. She also is the director of the radiology residency program and chief of the breast radiology section at the IU School of Medicine.

Dr. Jackson's primary research interest is mammography and she has published nearly 100 peer-reviewed journal articles or book chapters.

She is a 1978 graduate of the IU School of Medicine, where she also completed her internship and residency training in radiology. She joined the IU faculty in 1982 as a lecturer and became a full professor in 1990.

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October 3, 2002

Mario Svirsky Appointed To International Academy

INDIANAPOLIS - Mario Svirsky, Ph.D., associate professor in the Department of Otolaryngology-Head and Neck Surgery at the Indiana University School of Medicine, has been named a member of the Collegium Oto-Rhino-Laryngologicum Amicitiae Sacrum.

Dr. Svirsky also is an adjunct associate professor in the Departments of Electrical Engineering and Biomedical Engineering at Purdue University.

Dr. Svirsky helped establish the first cochlear implant program in Uruguay, South America, and has been editor-in-chief of *Ear and Hearing*, a professional journal.

The Collegium Oto-Rhino-Laryngologicum Amicitiae Sacrum, founded in 1926, is an international academy of otorhinolaryngology.

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October 3, 2002

Patrick Loehrer Named Wiseman Professor

INDIANAPOLIS - Patrick J. Loehrer, M.D., professor of medicine at Indiana University School of Medicine since 1983, has been named the Kenneth Wiseman Professor of Medicine. The appointment, approved by the Trustees of Indiana University, was effective Oct. 1.

Dr. Loehrer was recently named director of the hematology/oncology program at the Indiana University Cancer Center. He specializes in the treatment of gastrointestinal and genitourinary malignancies, thymoma and a variety of other cancers.

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October 1, 2002

JAMA Study Looks at Role of Pharmacist in Health Care

INDIANAPOLIS - Researchers at the Regenstrief Institute, the Indiana University School of Medicine and the Roudebush VA Medical Center studied over a thousand patients to determine whether having a pharmacist work closely with individuals with reactive airway diseases such as asthma improved health outcomes. The results of this study are published in the October 2 issue of the *Journal of the American Medical Association*. Patients with reactive airway diseases, costly and prevalent conditions, tend to visit the pharmacy with much more frequency than they visit their doctor's office, and a pharmacist is often the last health professional whom patients see before taking their medication.

The study was conducted at 36 CVS stores in Central Indiana. The researchers divided the stores into three clusters of 12 stores. Stores in each cluster were matched for socioeconomic characteristics.

The first, or pharmaceutical care group of patients, filled its prescriptions at 12 CVS stores in Central Indiana where the pharmacists were provided patient-specific clinical data including peak air flow rates, emergency department visits, hospitalization and medication compliance information for each of the patients randomized to the pharmacist intervention group. The pharmacists made no treatment decisions, but did try to reinforce compliance with the physician's prescribed treatment regimen. Patients in this group were taught how to measure their air flow with a simple to use device called a peak flow meter.

Members of the second group enrolled in the study had their prescriptions filled at another 12 CVS stores in Central Indiana. Members of this group, known as the peak flow monitoring group, also were trained to measure their air flow but did not receive any special assistance from the pharmacists filling their prescriptions.

Those in the third group had their prescriptions filled at yet another 12 CVS stores in Central Indiana. These individuals received the usual care given to anyone having a prescription filled at that store.

The researchers found that at the end of one year patients who were monitored by pharmacists had significantly better peak flow rates than the usual care group, but not the peak flow monitoring group.

Asthma patients in the pharmaceutical care group had more breathing-related emergency room or hospital visits than members of other groups. This may be an indication that the pharmacist, using all the information made available to them, advised the patients that they needed urgent medical attention, says study co-author Michael D. Murray, PharmD, MPH, a research scientist at the Regenstrief Institute, professor of pharmacy at Purdue University and adjunct professor of medicine at the IU School of Medicine.



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The number of breathing-related emergency department or hospital visits by all patients (asthma and other chronic obstructive pulmonary diseases) in the pharmaceutical care group and the peak flow monitoring control group was twice as high as the number of visits by those in the usual care group. According to Dr. Murray this is presumably because those measuring their air flow knew when they needed assistance while those relying solely on symptoms did not.

Individuals who consented to participate in this study of pharmaceutical care were randomly assigned to one of three groups. Each cluster of pharmacies had similar socioeconomic characteristics. Those patients selected for the study filled at least 70% of their prescriptions at a single pharmacy.

The researchers are also conducting other studies on the role of the pharmacist in providing healthcare. "Pharmacists are trusted by the public, have a wealth of clinical knowledge, and most importantly are the last health professionals with whom a patient talks before taking his or her medication. Pharmacists may be the only persons who know all of the drugs a patient is taking, if that patient is seeing more than one physician. As electronic medical record systems expand, they will hopefully help provide doctors, pharmacists, and other clinicians to work closer together to help patients," said William M. Tierney, MD, professor of medicine at the IU School of Medicine and Regenstrief Institute research scientist, the senior author of the JAMA study.

Authors of this new study published in JAMA are Morris Weinberger, PhD, Michael D. Murray, PharmD, David G. Marrero, PhD, Nancy Brewer, Michael Lykens, MD, Lisa E. Harris, MD, Roopa Seshadri, PhD, Helena Caffrey, MS, J. Franklin Roesner, MD, Faye Smith, MS, A. Jeffrey Newell, RPh, Joyce C. Collins, RPh, Clement J. McDonald, MD, and William M. Tierney, MD.

The Agency for Healthcare Research and Quality and the Department of Veterans Affairs supported this study.

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September 26, 2002



Student Health Fair Helps Needy, Trains Future Docs

INDIANAPOLIS - Awareness and education can go a long way to prevent many health-care problems and that is the message Indiana University School of Medicine students want to convey at an annual health fair they sponsor for city residents.

Students, working under the direction of IU physicians and faculty, are organizing a health fair from 10 a.m. to 2 p.m., Saturday, Oct. 26, at the Westside Community Health Center, 2732 W. Michigan St.

"The primary goal is to strengthen the IU School of Medicine's involvement with the local community," says Clark Boccone, a fourth-year student, who is co-chairing the fair with colleague Marissa Rubio, also in her fourth-year of medical school. "We also have the goal of increasing the awareness of proper health care to community members and increasing the awareness of the Clinic and its relationship with the community."

Students will assist IU faculty and staff physicians with free screenings for blood pressure, cholesterol, diabetes and colon cancer in adults. Vision and hearing screenings will be offered to children. Also, free information about breast and skin cancer, osteoporosis, exercise and diet, weight loss, prostate problems, dental hygiene and other health topics will be distributed to visitors. Students from the IU School of Dentistry will join the medical students in providing free screenings and other services.

Though the students' time is volunteered and will not be compensated, they will benefit in many other ways. Along with performing a community service, they will improve their own knowledge of the topics they discuss and hone their skills in communicating their knowledge to members of the community.

The health fair has become a tradition with the IU School of Medicine and has been organized every year since 2000. The fair has grown each year, particularly in the number of Hispanic visitors, notes Clark Boccone. "We are hoping for further growth in the number of visitors again this year."

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Sept. 18, 2002

'Doctors Without Borders' Founder Focuses on Global Relief Efforts

INDIANAPOLIS - Providing emergency medical relief to people desperate and war-weary nations is a global obligation if you ask Patrick J. Aeberhard, M.D., one of the founders of Médecins sans Frontières, better known as Doctors Without Borders.

That will be among the messages Dr. Aeberhard will bring to the Indiana University-Purdue University Indianapolis, 7 p.m. Wednesday, Sept. 25, where he will discuss trends in humanitarian medical relief and his experiences with Doctors Without Borders. The presentation will be made in the Riley Outpatient Center Ruth Lilly Auditorium at the intersection of West and Middle drives on the IU Medical Center campus

The French physician's experience in global medicine began in 1968 while serving with the International Red Cross as a surgeon in Biafra during the civil war in Nigeria. In 1971 he and other French physicians launched Doctors Without Border sharing a belief "that all people have the right to medical care and that the needs of these people supersede respect for national borders," according to the organization's charter.

Doctors Without Borders' physicians and its other health-care professionals today operate in more than 80 countries, many of whose citizens are caught in the crosshairs of war or situations where medical care is virtually non-existent. Dr. Aeberhard served as the organization's top administrator from 1976 to 1979 and president and his experiences have taken him around the globe.

Dr. Aeberhard, the recipient of the French government's Chevalier de la Legion d'Honneur, is the chief of the Cardiac Rehabilitation Center, Centre Cardiologique du Nord, Saint-Denis, Paris, and a consultant in cardiology.

He serves on various boards of international humanitarian organization, such as the Association pour l'Action Humanitaire and the International Harm Reduction Association. He also is co-founder of Médecins du Monde (Doctors of the World).

The lectures are sponsored by the IUPUI Medical Humanities, the Indiana University Center for Bioethics, IU School of Medicine Department of Medicine, Indiana Department of Public Health and the IU Center for Aging Research.

For more information about Doctors Without Borders, go to www.msf.org/.

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September 13, 2002

Distinguished Professor to Lead U.S. Alcohol Research Institute

INDIANAPOLIS - Ting-Kai Li, M.D., distinguished professor at Indiana University and former associate dean for research at the IU School of Medicine, has been appointed director of the National Institute on Alcohol Abuse and Alcoholism at the National Institutes of Health.

"It gives me great pleasure that one of our nation's preeminent scientists in the alcohol research field will be taking the helm to lead our federal alcohol research efforts," says Tommy Thompson, secretary of the Department of Health and Human Services. "There's much to be done to protect all Americans from the tragedy of alcohol abuse and alcoholism."

Dr. Li, internationally known for his research into the genetic determinants of alcohol use and alcoholism, is expected to take over his new duties in mid-November. He has produced groundbreaking research in many areas, including alcohol metabolism and animal models of alcoholism.

Since 1987, he has served as director of the IU Alcohol Research Center, which was established with a grant from the NIAAA, the major federal agency supporting research into the etiology, treatment and prevention of alcoholism.

"T. K. Li's contributions to the School of Medicine are legion and are of inestimable value," said D. Craig Brater, M.D., dean of the IU School of Medicine. "He has served as a mentor, leader, and visionary for the School; we would not be realizing the success of today without his contributions. He undoubtedly will have the same impact at the NIAAA so that his contributions and accomplishments will also include shaping the future of the field to which he has devoted his career. He and his wife Susan are dear friends of Indiana University whom we will miss, but we will celebrate this prestigious appointment and wish them the very best."

The IU researcher replaces Raynard Kingston, M.D., Ph.D., who has served as NIAAA's acting director since the retirement of Enoch Gordis, M.D., in January 2002.

Dr. Li joined the IU School of Medicine faculty in 1971 and also is adjunct professor at the IU School of Nursing. He received his medical degree from Harvard University in 1959 and later completed his residency at Peter Bent Brigham Hospital, Boston, Mass.

In his 31-year career at IU, Dr. Li has gained many accolades for his research. He has written more than 400 journal articles and book chapters. In 1999, he was elected to membership in the Institute of Medicine of the National Academy of Sciences, a prestigious organization that recognizes outstanding professional achievement and demonstrated concern with critical public health issues.

Dr. Li's other research accomplishments include the Jellinek Award, the James B. Isaacson Award for Research in Chemical Dependency Disease and the R. Brinkley



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Smithers Distinguished Science Award.

Dr. Li, editor of the journal *Alcoholism: Clinical and Experimental Research*, also is an honorary fellow of the United Kingdom's Society for the Study of Addiction.

"I am honored to come to the NIAAA at this exciting time," said Dr. Li. "Great progress has been made over the last two decades in our scientific knowledge base of genetics, neurobiology, and the behavioral and other aspects of alcohol abuse and alcoholism. I am confident that by diligently expanding the boundaries of our knowledge we will continue to improve ways of preventing and treating these important public health problems."

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September 13, 2002

Braddom Honored With AAEM Lifetime Achievement Award

INDIANAPOLIS - Randall L. Braddom, M.D., M.S., founding chairman of the Department of Physical Medicine and Rehabilitation at the Indiana University School of Medicine, has received the Lifetime Achievement Award from the American Association of Electrodiagnostic Medicine.

The AAEM recognized Dr. Braddom for his extensive achievements and contributions in research, teaching and public service. At the age of 32, he became the youngest chairman appointed at the University of Cincinnati College of Medicine. He also has served as associate dean of the IU Medical School and as chief executive officer of Wishard Health Services.

Dr. Braddom has been appointed president of a number of associations, including the Cincinnati Society of PM&R, the Ohio Society PM&R, the American Academy of PM&R, the AAEM and the Association of Academic Physiatrists. He has served on almost every committee within the AAEM.

He was honored with the Alumni Achievement Award at the 25th anniversary of his medical school class at Ohio State University and has been named the Citizen Journal Man of the Year in Columbus, Ohio, in 1970.

Dr. Braddom is editor-in-chief of Physical Medicine and Rehabilitation, a textbook published by the Saunders Company. Additionally, he has written numerous scientific articles, book chapters and more than 60 invited scientific presentations.

His early research work involved the clinical use of H-reflexes in S1 radiculopathy, and his thesis was an important early contribution in this area. He got his medical and master's degree in PM&R from the Ohio State University.

The AAEM, through this award, honors members who have provided distinguished service and dedication for a number of years as a clinician, researcher, or educator in the field of electrodiagnostic medicine.

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September 11, 2002

Participants needed for ADHD/Depression Study

Indianapolis - The Indiana University School of Medicine Department of Psychiatry is seeking children and adolescents for a study on the effectiveness of an investigational medication for children who have the combined symptoms of attention deficit/hyperactivity disorder and depression.

To qualify for the study, participants must be between twelve years and eighteen years of age, have difficulty paying attention, are often irritable, sad, withdrawn, or experience crying spells.

If this sounds like your child, he or she may be eligible to participate in a clinical research study at Riley Hospital.

This 12-month research study includes:

- * A free evaluation by a child psychiatrist
- * Laboratory tests and blood work
- * Plus compensation for time and travel

For more information, call (317) 278-4887 to learn more about this research study.

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September 10, 2002

IU School of Medicine Seeks Patients For Free Colonoscopy Study

The Indiana University School of Medicine Division of Gastroenterology seeks participants for a free colonoscopy study.

To qualify for the study, participants must be between 65 years and 80 years of age and have no more than one first-degree relative (parent, brother, sister or child) with a history of colorectal cancer.

Participants should not have tested positive for blood in the stool within the past year and should not have had a colonoscopy, barium enema or sigmoidoscopy in the previous 10 years.

For more information, call 278-3806.

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September 10, 2002

State Suicide Incidents Trigger Response from Partnership

INDIANAPOLIS - As suicide continues to be a serious public health issue for the nation and particularly for Indiana, prevention and public education programs are being implemented.

To this end, the Indiana Partnership to Prevent Firearm Violence will host its annual meeting on the topic "Suicide Prevention: A Call to Action."

The meeting will be held at the Marott, 2625 Meridian St., in Indianapolis on Friday, Sept. 27. The meeting is co-sponsored by Clarian Health, IU School of Medicine and Riley Hospital for Children.

The meeting features two nationally recognized experts on the topic of suicide. Air Force Col. David Litts, M.D., special advisor to the assistant secretary for health and the U.S. Surgeon General for Suicide Prevention, will present the national strategy for suicide prevention. He will also highlight the Air Force prevention program, considered to be the nation's most successful initiatives. He will explain the components of this program and detail its progress, Partnership officials say.

Alan Berman, Ph.D., director of the American Association of Suicidology will discuss the nation's best practices, programs, resources and funding opportunities. Dr. Berman has published more than 90 articles and book chapters, and has written and edited six books. His latest book is the *Comprehensive Textbook of Suicidology*.

The Indiana Partnership to Prevent Firearm Violence also will release a new report describing details related to suicides that have occurred in Marion County the past four years. This information will be useful to those involved in prevention programs, Partnership officials say.

In addition, Dean Hawley, M.D., professor of forensic medicine at the Indiana University School of Medicine will explain how the scientific evidence obtained at the time of autopsies is useful in suicide prevention efforts.

Lastly, a panel of presenters will discuss suicide-prevention programs currently in operation throughout Indiana.

"Suicide is a serious public health issue for the nation and particularly for the State of Indiana," says Marilyn Bull, M.D., medical director of the Indiana Partnership to Prevent Firearm Violence. "Indiana's suicide rate is higher than the national average. Moreover, suicide with a firearm is the second leading cause of injury death in the state."

The Indiana Partnership to Prevent Firearm Violence was created to help reduce firearm related deaths and injuries. It was established in 1999 with a grant from the



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Joyce Foundation, a Chicago-based philanthropy. The Suicide Prevention Coalition was formed in 2001 to increase the public's awareness about the risk factors linked to suicide and to reduce the stigma associated with mental illness.

For more information or to register for the meeting, call 317-278-0945.

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September 6, 2002

Nutrition, Lifestyle of College Women Focus of Special Seminar

INDIANAPOLIS - College often heralds significant changes for students, some of which last far beyond graduation day. Certainly, health and lifestyle choices are among the changes for young women.

That's why the National Center of Excellence in Women's Health at the Indiana University School of Medicine and the Council for Women's Nutrition Solutions are co-sponsoring a free seminar, *Everyday Health and Nutrition Solutions for the College Years*, Thursday, Sept. 26. The seminar is from 3 p.m. to 5 p.m., and will be held in the Ruth Lilly Auditorium at the Riley Outpatient Clinic.

The program will focus on diet and exercise since many of those habits can have lifelong effects and lead to heart disease, cancer and other disorders," says Christine Darling, CoE project coordinator.

CWNS members will share research findings on some of the most common health problems facing women, including weight gain, fad dieting, poor eating habits and lack of physical activity. Health-care professionals can use such information when communicating with college women.

Speakers at the seminar:

Jeanne Goldberg, Ph.D., R.D., director of the Tufts University Center on Nutrition Communications. She has published articles in numerous scientific journals, textbooks and consumer publications.

Michelle Warren, M.D., professor of obstetrics and gynecology at the College of Physicians and Surgeons at Columbia University and the medical director of the Center for Menopause, Hormonal Disorders and Women's Health at Sloane Hospital for Women at Columbia-Presbyterian Medical Center.

Roseanne Lyle, Ph.D., M.Ed., FACSM, associate professor of health promotion at Purdue University. She's also a fellow at the American College of Sports Medicine in Indianapolis and her research primarily relates to the health of women of all ages.

For more information and to register for the seminar, contact Shelley Bradway at 317-872-2333, or sbradway@iquest.net no later than Friday, Sept. 20.

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September 5, 2002

Inui Takes Reins of Regenstrief Institute, Top Role in Health Research

INDIANAPOLIS - Thomas S. Inui, Sc.M., M.D., a nationally known primary care physician, educator, and health services researcher has accepted the positions of president and chief executive officer of Regenstrief Institute Inc. He also will serve as associate dean for health care research, the Sam Regenstrief Professor of Health Services Research and a professor of medicine at the Indiana University School of Medicine.

Dr. Inui was the Paul C. Cabot Professor and founding chair of the Department of Ambulatory Care and Prevention at Harvard Medical School. More recently he served as president and senior scholar of the Fetzer Institute, a national philanthropy devoted to wholeness of mind, body and spirit in human affairs and as a visiting professor at the University of Tokyo School of Medicine. He also headed the general internal medicine program at the University of Washington School of Medicine.

"From the very beginning of my career," says Dr. Inui, "I have always sought to do health services research in an environment with outstanding medical informatics capabilities and a multidisciplinary community of researchers dedicated to improving health. I have clearly found all these elements here at Regenstrief."

At 4 p.m., Tuesday, Sept. 17, Dr. Inui will present an inaugural address, *A View from the Foothills: Goals for Health Care Research*, in the Ruth Lilly Auditorium of the Riley Outpatient Center on the IU Medical Center campus.

Dr. Inui's major research interests focus on the effectiveness of primary care health services, doctor-patient communication, health-related behavior and medical education effectiveness.

"Thomas Inui is arguably the top health sciences academician in the country with a broad range of interests regarding patient care and medical education," notes IU School of Medicine Dean D. Craig Brater, M.D. "His primary goal is simple - to improve all facets of patient care. He will be a rich resource as we expand our efforts to improve health care delivery and train the physicians of the twenty-first century."

Dr. Inui was elected to membership in the prestigious Institute of Medicine of the National Academy of Sciences in 1990 and currently serves on its executive committee. He is a member of the Institute's Committee on Understanding and Eliminating Racial and Ethnic Disparities in Health Care and a co-author of its 2002 report, *Unequal Treatment: Confronting Racial and Ethnic Disparities in Health Care*.

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Note: Media are invited to Dr. Inui's presentation and may call 317-274-7722 to arrange for parking or to request directions to the Ruth Lilly Auditorium. Photos of Dr. Inui are available upon request.

The Indiana University School of Medicine educates the second largest medical student body in the nation. It administrates the Indiana Genomics Initiative, the Indiana University Vector Production Facility (the only National Institutes of Health-funded human gene vector laboratory), and the National Cancer Institute-designated Indiana University Cancer Center. For more information go to <http://medicine.iu.edu>.

The Regenstrief Institute is a nationally recognized medical research organization dedicated to improving the quality of health care. It is the home of The Regenstrief Medical Records System (RMRS), a physician-designed integrated inpatient and outpatient information system containing 30 years of patient data. Most Institute investigators are members of the Indiana University School of Medicine faculty. The Institute is located on the campus of the School of Medicine in Indianapolis. Go to www.regenstrief.org

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September 4, 2002

Indiana University Mini Medical School, Oct. 8-Nov. 12

BIOETHICS: MORAL MEDICINE AND RESPONSIBLE RESEARCH

INDIANAPOLIS - As researchers and clinicians continue to understand the genetic blueprint of humans and how it relates to the causes and possible cures for diseases they are cautioned to apply their findings in ethical and moral ways.

The bioethics of genetics is the overall thrust of a special series of lectures this year at the Indiana University School of Medicine fall Mini Medical School. The six-week series of presentations, Oct. 8 through Nov. 12, offers several topics tackling the moral implications of genetic research and therapy. Each session features two speakers.

You don't have to work in the health-care field to attend and appreciate the topics discussed at the Mini Medical School. One of the main goals of the school is to introduce and explain to the public in everyday language the latest issues and developments in health care and research.

Speakers and topics for the fall session:

Oct. 8 - Overview of Genetics, Genomics and Bioethics

Eric Meslin, Ph.D., director of the Indiana University Center for Bioethics, assistant dean for bioethics and a professor of medicine at the IU School of Medicine; Gail Vance, M.D., staff physician and associate professor of medical and molecular genetics at the IU School of Medicine, and is a staff physician

Oct. 15 - Historical Perspectives on Eugenics and Genetic Engineering in Humans

William Schneider, Ph.D., professor of history and an associate dean in the School of Liberal Arts at Indiana University-Purdue University Indianapolis Roger Dworkin, J.D., professor at the IU School of Law in Bloomington and director of medical studies at the Poynter Center for the Study of Ethics and American Institutions at Indiana University.

Oct. 22 - Genetic Fingerprinting and Its Use in the Law

Kimberly Quaid, Ph.D., professor in the departments of Medical and Molecular Genetics, Psychiatry and Medicine at the IU School of Medicine; Michael Conneally, Ph.D., distinguished professor and director of the Hereditary Diseases and Family Studies Division in the IU Department of Medical and Molecular Genetics.

Oct. 29 - Genetic Screening and Selection in Reproduction

Kimberly Quaid, Ph.D., Jeff Boldt, Ph.D., IU clinical associate professor of medical and molecular genetics and scientific director of Assisted Fertility Services at the Community Health Network, Indianapolis.

Nov. 5 - Genetic Research Involving Human Biological Materials



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Munro Peacock, M.D., director of the General Clinical Research Center and a professor of medicine at the Indiana University School of Medicine; Eric Meslin, Ph.D.

Nov. 12 - Embryonic and Adult Stem Cell Research: Where Does Cloning Enter the Picture?

David Orentlicher, M.D., J.D., co-director of the Center for Law and Health and professor of law at IU-Indianapolis; Mervin C. Yoder Jr., M.D., director of the Program of Comparative Medicine and an associate professor of pediatrics, biochemistry and molecular biology at IU School of Medicine.

The IU Medical Group and Indianapolis radio station WIBC sponsor Mini Medical School, which is offered by the Indiana University School of Medicine Faculty Community Relations Committee through the IUPUI Division of Continuing Studies. Mini Medical School is underwritten by an educational grant from Pfizer.

For registration information, call 317-278-7600. Advanced registration is required and the cost is \$35 and includes parking. When registering, mention the Course Number N01A00.

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Aug. 28, 2002

World Basketball Games Get A Dose of Sports Medicine

INDIANAPOLIS - Topics ranging from doping to head and knee injuries will be discussed during the 2002 World Basketball Sports Medicine Conference Aug. 28 at the National Collegiate Athletic Association headquarters.

The conference, planned in conjunction with the World Basketball Games, is designed to educate clinical practitioners and staff who manage and care for basketball athletes or teams as part of their practice.

"Each sport carries its own rewards and own medical drawbacks," said Douglas McKeag, M.D., American United Life Professor and chairman of the Indiana University Department of Family Medicine and one of the organizers of the workshop. "As specialists in sports medicine it is imperative that we fully understand the injuries and health concerns specific to the athletic activity."

Objectives of the workshop include identifying specific injuries and medical problems associated with basketball, increasing awareness of anti-doping efforts with the sport, and understanding new technology, therapy and techniques as they related to the care of basketball athletes.

Speakers include Dr. McKeag, who also is director of the IU Center for Sports Medicine; Randy Dick, NCAA education outreach; Jennifer Ebermann, MSc, Ethics and Education, World Anti-Doping Agency, Laussane, Switzerland; Kevin Gebke, M.D., IU Center for Sports Medicine; Jay Hoffman, PhD, Department of Health and Exercise Science, College of New Jersey; Mark Hutchinson, MD, Sports Medicine Service, University of Illinois; Curt Munson, Athletic Shoewear Consulting, Playmakers, Inc.; Andrew Pipe, M.D., Division of Cardiac Surgery, University of Ottawa, Canada; Patrick Schamasch, M.D., Medical Division, International Olympic Committee, Laussane, Switzerland; and John Turner, M.D., IU Center for Sports Medicine.

For additional information, contact the IU Center for Sports Medicine at 317-637-9200, extension 141.

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August 26, 2002

Kirk Appointed To Disability Determination Committee

INDIANAPOLIS-- Karen Iler Kirk, Ph.D., has been appointed to the National Research Council's Committee on Disability Determination for Individuals with Hearing Impairments.

Dr. Kirk is an associate professor and Psi Iota Xi Scholar in Pediatric Speech and Hearing in the Department of Otolaryngology-Head and Neck Surgery at the Indiana University School of Medicine, and is director of the DeVault Otologic Research Laboratory.

The National Research Council was organized by the National Academy of Sciences in 1916 and has become the principal operating agency of both the National Academy of Sciences and the National Academy of Engineering in providing services and information to the government, the public, and the scientific and engineering communities.

The Council has invited national and international experts in hearing impairment to join this committee. The study will focus on research advances that could be immediately useful in improving auditory disability determination.

Dr. Kirk's research interests include speech perception and speech production by children and adults with profound hearing loss, cochlear implants and perceptual learning.

Dr. Kirk received her bachelor's and master's in Speech and Hearing Sciences from the University of California, Santa Barbara, and a Ph.D. in Hearing Science from the University of Iowa in 1991. She joined the faculty of the IU School of Medicine in 1993.

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August 14, 2002



Alcohol Tolerance Associated With Family History, IU study reveals

INDIANAPOLIS - People with a family history of alcoholism may develop a tolerance that causes them to drink more to feel the same effects, according to a study conducted at the Indiana University School of Medicine.

In a laboratory experiment, research participants who had a family history of alcoholism reported greater feelings of intoxication after initial exposure to alcohol than participants who did not have a family history of alcoholism. But those with a family history of the disease quickly adapted to the alcohol and their perceptions of intoxication became no different from those of the other participants.

"This suggests that the development of tolerance may maintain or increase drinking in people with a family history of alcoholism. In other words, they imbibe more to maintain the same effects," says the study's lead author, Sandra L. Morzorati, associate scientist in the Department of Psychiatry at the IU School of Medicine.

The study's findings were published in the August issue of *Alcoholism: Clinical and Experimental Research*, a monthly journal covering the causes, treatment and prevention of alcohol-related disorders.

Dr. Morzorati noted that previous efforts to compare the responses to alcohol among subjects with different family histories have yielded inconsistent results, which may result from individual variations in the brain's exposure to alcohol over time, as well as differences in the way subjects absorb and eliminate alcohol. This study differs from earlier research because it used a method called the "breath-alcohol level clamp" to keep subjects' breath-alcohol levels constant throughout the experiment.

The study looked at 58 people with a family history of the disease and 58 with no known family history, all of whom were social drinkers between ages 21 and 39. The groups were evenly divided by gender and had comparable demographic characteristics and alcohol consumption rates.

Each participant was tested twice - once with alcohol, once with placebo - at least a week apart. In the alcohol session, participants received an intravenous infusion of alcohol. In the placebo session, they received an intravenous infusion without alcohol.

At an initial measurement, participants with a family history of alcoholism reported greater feelings of intoxication than their counterparts, the IU researchers found.

"Moreover, while their breath alcohol levels were being held constant, the subjects with a family history of alcoholism adapted to the effects of alcohol," says Dr. Morzorati. "By the final measurement point, their perceptions of intoxication were comparable to those of their counterparts, indicating that the family history subjects had developed what is known as acute tolerance to alcohol."

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Dr. Morzorati noted that the study was based on the premise that increased risk for alcoholism is related to genetic factors underlying individual responses to alcohol consumption. These results, she said, provide additional support for that premise.

Co-authors of the IU School of Medicine study are Vijay Ramchandani, Ph.D., assistant professor and scientist; Leah Flury, M.S., applied statistician; Ting-Kai Li, M.D., distinguished professor; and Sean O'Connor, M.D., associate professor.

The study was funded in part by the U.S. Public Health Service.

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Aug. 13, 2002

New PET/CT Scanner Offers View To The Future

INDIANAPOLIS - A new imaging device in the Indiana University Department of Radiology is making it easier for physicians to diagnose and treat cancer and other diseases.

The Indiana University School of Medicine was one of the first three institutions in the nation to receive a PET/CT fusion imaging system. The Siemens Biograph system was installed at IU in December 2001, and already, physicians are looking to the future. The Department of Radiology is in the process of purchasing a second PET/CT for nearly \$2.5 million.

The state-of-the-art diagnostic scanner can give radiologists a more comprehensive look at tumor growth for the staging of cancers, location of tumors, and the effectiveness of therapeutic agents and/or surgery. It also will enable earlier detection and more accurate diagnosis of cardiovascular and neurological diseases, and improve therapy and monitoring.

"Within the next two or three years, I think PET/CT will be a first-line procedure in the management of patients with cancer," said James Fletcher, M.D., director of nuclear medicine and director of the Clinical PET Imaging Center at the IU School of Medicine.

PET imaging uses radiopharmaceutical tracers in the body that measures metabolic, biochemical and functional activity in living tissue. CT - more commonly called CAT scans - produces a series of images showing anatomical structure and abnormalities that do not normally show up on conventional X-rays.

PET or positron emission tomography has been available for clinical use since 1990 but wasn't routinely used for cancer management until it received initial Medicare coverage for lung cancer in January 1998. Its use for diagnosis, initial cancer staging and evaluation of response to therapy has expanded greatly since that time. It also is an effective tool for physicians wanting to "see" the viability of tissue in the heart and to study brain metabolism for tumors and diseases such as Alzheimers.

Its biggest limitation is poor spatial resolution, says Gary Hutchins, Ph.D., director of Imaging Science and vice chairman of research in the Department of Radiology. On the other hand, he adds, CT images excel at showing spatial context. The dual modality has brought a new dimension, literally, to his research into the mechanisms of cancer growth.

"In certain common cancers, CT has been wrong in over half the instances where CT indicated the patient's cancer was operable," said Dr. Fletcher. "CT also often can miss metastatic sites."

Combining the two technologies overcomes the limitations of either technology individually and gives physicians the closest thing to 20-20 vision available by letting



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them better identify and localize abnormalities.

"We now can find tumor sites not seen just through PET or CT alone," Dr. Fletcher says. PET/CT gives physicians a better look at disease sites to determine if surgery is an option or if the cancer has spread beyond the point where surgery is recommended.

The combined imaging also offers physicians an opportunity at the outset of chemotherapy to see if the drug is working. If not, the protocol can be changed avoiding a long, ineffective treatment regimen for cancer patients.

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August 12, 2002

Urologists To Conduct Prostate Cancer Clinics at IU, Wishard Prostate Cancer Awareness Week, Sept. 15-22

INDIANAPOLIS - Prostate cancer remains the leading killer cancer among men, but early detection and treatment can lead to complete recovery.

To that end, physicians at the Indiana University School of Medicine will supervise two free or low-cost screening sites for men over the age of 50, and high-risk males over the age of 35 years. The first clinic is from 1 p.m. to 6 p.m., Sept. 16, at the IU Cancer Center Urology Clinic, 535 Barnhill Drive, on the Indiana University-Purdue University Indianapolis campus.

The second clinic is 10 a.m. to 6 p.m., Sept. 17, at Wishard Memorial Hospital-Room 146, Urology Clinic, 1001 West 10th Street.

The clinics are part of Prostate Cancer Awareness Week, Sept. 15-22, a nationwide campaign to promote screenings, detection and treatment of the disease. The campaign is part of a program sponsored by the Prostate Cancer Education Council.

"If prostate cancer is caught early, survival rates are 90 percent or higher," says Michael Koch, M.D., chairman of the IU Department of Urology. "However there often are no early warning signs or symptoms of the disease and the only way to detect prostate cancer in its early stages is through a Prostate Specific Antigen blood test and a digital rectal exam."

PSA is a protein produced in the cells in the prostate gland. When the prostate gland enlarges, PSA levels in the blood tend to rise and might indicate cancer or benign conditions.

"Both the PSA test and digital exam are excellent tools that can save lives," says Dr. Koch.

For more information about the clinics at IU and Wishard, contact Janis Aichinger at 317-630-8913, or email her at jaiching@iupui.edu.

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August 9, 2002

IU Cancer Center Names Cornerstones in LaGrange County

INDIANAPOLIS - Two philanthropic groups in LaGrange County have been named Cornerstones of the Indiana University Cancer Center in recognition of their fund-raising work for breast cancer research in Indiana.

Patricia Hickey of LaGrange was recognized for organizing a walk each year in honor of her own survivorship from breast cancer. Through fellow walkers' pledges and community contributions, Hickey has raised nearly \$6,000 in six years. She credits the men and women of the LaGrange Moose Lodge for the success of her fund-raising project.

"My friends from the Moose Lodge have literally been there every step of the way," she said.

A second Cornerstone award was given to the women of the LaGrange County Cancer Society. In addition to providing support and services for LaGrange County residents who have cancer, the society has given nearly \$18,000 to the IU Cancer Center's Breast Cancer Research Fund in the past 12 years.

Stephen D. Williams, M.D., director of the IU Cancer Center, said the Center's more than 150 researchers are grateful for the funding that results from the dedicated efforts of individuals across Indiana.

"Just as the cornerstone of a building is critical in the structure's development, the gifts of grass-roots organizations strengthen and support the cancer research conducted at the IU Cancer Center," Williams said. "The gifts that come to us from LaGrange County ensure we will continue to make life-saving contributions from cutting-edge cancer research."

The IU Cancer Center is located in Indianapolis and is a National Cancer Institute-designated clinical cancer center. The Center is the only cancer program in Indiana that translates scientific findings from laboratories into solutions for patients.

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August 7, 2002

Toxin Injections Prove Useful For Spasticity After Stroke

INDIANAPOLIS - Researchers are offering new hope for stroke patients suffering from spasticity of the hand with a drug that has proven effective in relieving muscle tightness or twitching in other areas of the body, according to an article in the Aug. 8 issue of the *New England Journal of Medicine*.

The report indicates that botulinum toxin type A, also known as Botox®, reduces disability caused by spasticity of the wrist and finger muscles in patients who have had a stroke. This is the first placebo-controlled, multi-center trial to assess the benefit of one-time injections of botulinum toxin type A.

Allison Brashear, M.D., principal investigator and first author of the article, said the results demonstrate a useful treatment for patients with functional disabilities from stroke.

"This is the first large trial to show that botulinum toxin type A improved function and muscle tone following a stroke," said Dr. Brashear, associate professor of neurology at the Indiana University School of Medicine. "A number of studies have demonstrated that botulinum toxin type A decreases muscle rigidity in spastic muscles and one small study has shown functional improvement from this therapy. However, use of the therapy has become common practice so the point of this clinical trial was to assess the effects of one-time treatment on a large, controlled group."

Stroke affects approximately 600 out of every 100,000 people in the United States, with nearly 70 percent of patients surviving the stroke. The prevalence of disabilities associated with stroke, including arm and hand spasticity, is high. Spasticity in upper limbs is especially debilitating because it can interfere with many daily activities, including personal hygiene and dressing.

Nineteen medical institutions were involved over the two-year period of the study. All of the 126 volunteers enrolled in the 12-week study had some degree of spasticity in their wrist or fingers after a stroke. The volunteers were randomized to either a placebo group or a group receiving one-time injections of 200 to 240 units of botulinum toxin type A.

The volunteers were asked to select one of four areas of disability as the principal target of treatment. That area was rated as moderate to severe on a four-point scale for determining degree of disability. The areas targeted for treatment by the patient pertained to perceived disability caused by the spasticity. They were personal hygiene, dressing, pain or limb position - all of which can be affected by a spastic or "frozen" limb. The rating was done at the initiation of the trial and at six weeks, at which time 40 of the 64 participants in the botulinum toxin type A group reported improvement in the selected area of disability. In the placebo group only 17 of the 62 participants reported improvement.



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Significant improvement in wrist and finger flexors was observed in the majority of patients one week after the injection. The improvement was sustained at the 12-week follow-up. Participants also showed no adverse reactions to the botulinum toxin type A injections.

Following the conclusion of their participation in the clinical trial, 111 of the 126 participants volunteered to receive up to three additional treatments and each set of injections had positive effects that lasted for at least 12 weeks and, in some cases, as long as 18 to 24 weeks, the study reports.

"The findings suggest that botulinum toxin is useful in improving muscle tone, function and quality of life in patients with wrist and finger spasticity after a stroke," Dr. Brashear concludes.

Allergan, maker of Botox, supported the clinical trial.

In 1989, Botox therapy was approved by the U.S. Food and Drug Administration for the treatment of strabismus (crossed eyes) and blepharospasm (uncontrollable blinking). In December 2000, the FDA approved Botox for the treatment of abnormal head position and neck pain associated with cervical dystonia, a movement disorder characterized by involuntary muscle contractions. This past April, the FDA approved Botox® Cosmetic, botulinum toxin type A, for the temporary improvement in the appearance of moderate to severe forehead wrinkles in adult men and women age 65 or younger.

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August 5, 2002

Child Safety Takes Front Seat at Clinic, Aug. 9

INDIANAPOLIS - It's no accident that the death and injury rate among youngsters involved in vehicle crashes in Indiana has dipped in recent years because of increased use of child safety and booster seats, but child safety experts have not taken a detour from their efforts.

That's why the Automotive Safety Program for Children at the Indiana University School of Medicine is being joined by the Indiana Safe Kids Coalition and Marion County Traffic Safety Partnership to sponsor a child seat clinic, 9 a.m.-11 a.m., Aug. 9.

The clinic, located at Jiffy Lube, 82nd Street and Allisonville Road, will be held in conjunction with a seat-belt enforcement zone in the same area. Safety specialists will be on hand to inspect the condition of car seats and to demonstrate their proper use.

"While the fatality and injury rate for accident victims has declined markedly the last two decades - thanks largely to the use of child seats and seat-belt laws - we will have a long way to go to protect our children," says Judith Gearlds, project manager with the Automotive Safety Program. "The car-seat inspection site is just another way to educate the public and further reduce highway tragedies."

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August 1, 2002

NIMH Study Finds Anti-Psychotic Medication Useful In Treating Behavioral Disturbance Among Children With Autism

INDIANAPOLIS - Promising results from a multi-center clinical trial for a medication for children with autism will be published Aug. 1 in the New England Journal of Medicine. The Indiana University School of Medicine Department of Psychiatry was one of the five sites testing the drug, which is one of a newer class of anti-psychotic medications.

"The results are encouraging because few medications have shown to be as promising or effective in the treatment of autism," said Christopher McDougle, M.D., the Albert Eugene Sterne Professor of Clinical Psychiatry and chairman of psychiatry at the IU School of Medicine, a co-author of the NEJM article.

The medication, risperidone, was successful and well tolerated for the treatment of serious behavioral disturbance associated with autistic disorder in children ages 5 to 17. The positive findings are from a multi-site, eight-week, placebo-controlled clinical trial funded by the National Institute of Mental Health (NIMH).

"The findings suggest that risperidone can be useful in treating moderate to severe behavior problems that are associated with autism in children," said Dr. McDougle, who also is executive director of the Institute of Psychiatric Research, and director of the Section of Child Psychiatry at IU.

Autism is a chronic condition that appears in early childhood and is characterized by core symptoms of impaired social relatedness, delayed language and restricted patterns of behavior. It affects as many as 20 children per 10,000. Although the causes of autism are unknown for most cases, available evidence implicates abnormalities in brain development. Twin and family studies indicate a strong genetic contribution.

In addition to core symptoms, children with autism frequently exhibit serious behavior disturbances, such as self-injury, aggression and tantrums in response to routine environmental demands. For these disturbances, behavior therapy and medications are the two main forms of treatment.

In the risperidone clinical trial, researchers randomly assigned 101 participants (82 males and 19 females, age 5 to 17) to receive either placebo or the study medication, one of a new class of anti-psychotics called atypical.

The study found risperidone to be more significantly effective than placebo in improving behavior. Using a stringent definition of improvement, 69 percent of the children randomly assigned to risperidone were much or very much improved at the end of the study, as compared with only 12 percent in the placebo group.

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This is the largest positive effect by a medication ever observed in children with autism, claim investigators.

Risperidone was in general well tolerated, with few neurological side effects. However, risperidone was associated with a substantial increase in body weight (an average of about 6 pound increase in the 8-week period).

Several medications have been used previously to treat autism with limited success. To date, only haloperidol has been shown to be superior to placebo for serious behavior problems in more than one study. Concerns about neurological and other side effects of haloperidol cause many clinicians to avoid its use in children.

The atypical anti-psychotics are of great interest in treating children with autism because studies have shown them to be beneficial to adults with schizophrenia, with fewer neurological side effects than other previous medications.

Few studies of atypical anti-psychotics as treatments for children with autism have been published. The primary goal of this study was to evaluate the efficacy and safety of risperidone, the first widely available atypical, in children with autism accompanied by serious behavioral disturbance.

The study was conducted at five sites of the Research Units of Pediatric Psychopharmacology (RUPP) network, which is funded by NIMH. The RUPP network is composed of research units devoted to conducting studies to test the efficacy and safety of medications commonly used by practitioners to treat children and adolescents (off-label use) but not yet adequately tested.

The following are the authors of this report listed by role and study site:

- Indiana University, Principal Investigator Christopher J. McDougle, M.D., Co-Investigators David Posey, M.D., Naomi Swiezy, Ph.D., Arlene Kohn, B.A.
- University of California at Los Angeles, Principal Investigator James T. McCracken, M.D., Co-Investigators James McGough, M.D., Bhavik Shah, M.D., Pegeen Cronin, Ph.D., Daniel Hong, M.A.
- Ohio State University, Principal Investigator Michael G. Aman, Ph.D., Co-Investigators L. Eugene Arnold, M.ED., M.D., Ronald Lindsay, M.D., Patricia Nash, M.D., Jill Hollway, B.A.
- Yale University, Principal Investigator, Lawrence Scahill, M.S.N., Ph.D., Co-Investigators Andres Martin, M.D., Kathleen Koenig, M.S.N., Fred Volkmar, M.D., Deirdre Carroll, M.S.N., Allison Lancor, B.S.
- Kennedy Krieger Institute, Principal Investigator Elaine Tierney, M.D., Co-Investigators Jaswinder Ghuman, M.D., Nilda M. Gonzalez, M.D., Marco Grados, M.D.
- National Institute of Mental Health, Principal Investigator Benedetto Vitiello, M.D., Co-Investigator Louise Ritz, M.B.A.

- Columbia University, Statistician, Mark Davies, M.P.H.
- Nathan Kline Institute, Data Management, James Robinson, M.E.D., Don McMahon, M.S.

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More information on the trial is available on the NINH Clinical Trials web site:

[http://www.clinicaltrials.gov/ct/gui/c/a1r/show/NCT00005014?
order=2&JServSessionIdzone_ct=1xbqw9wjf1](http://www.clinicaltrials.gov/ct/gui/c/a1r/show/NCT00005014?order=2&JServSessionIdzone_ct=1xbqw9wjf1)

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July 30, 2002

Gamma Knife Improvements Will Offer Efficiency, Comfort To Patients

INDIANAPOLIS - It's not the same, ol' Gamma Knife any more. The state-of-the-art equipment used for treating head and brain diseases has advanced to the next generation of stereotactic radiosurgery, providing patients with more comfort and shorter treatment times.

The Gamma Knife was introduced to Indiana patients in 1997 when the Indiana Lions Gamma Knife Center opened at the Indiana University School of Medicine and Clarian Health. At the time, only a handful of medical centers in the United States offered the Gamma Knife, which performs non-invasive surgery. It is the most sophisticated and precise system available for delivering high doses of radiation to tumors, vascular disorders and certain function disorders, such as some forms of epilepsy.

The principle behind Gamma Knife surgery is to deliver the radiation in a high dose only to the intended target. The 201 beams of gamma radiation are directed through a collimator helmet that looks like a very large kitchen colander. When the beams converge, the targeted area of the brain receives a full-treatment dose of radiation. Gamma Knife radiosurgery spares healthy areas of the brain from high-dose exposure to gamma radiation.

"The new Gamma Knife will be faster and more comfortable for the patient," said Robert Timmerman, M.D., assistant professor of radiation oncology and co-director of the Lions Gamma Knife Center. "We now can treat more complicated lesions that we wouldn't have attempted before due to the time factor."

The new Gamma Knife, delivered earlier this month and currently being installed in its home in the basement of the Indiana Cancer Pavilion has the same ultimate precision for directing the 201 radiation beams as its predecessor.

However, the new unit has robotic positioning equipment that effectively moves the patient to the proper coordinates without operator intervention, reducing the treatment time by about 40 percent.

The shorter treatment time will allow more complex shaped targets to be treated within a reasonable time period. It also will have a floating couch to improve patient comfort and a robotic arm to change collimator helmets more rapidly than when the helmets were changed manually. The new model also is totally computer controlled with no manual translation of coordinates from the planning system to the machine itself, shortening the planning process, which is particularly important when the occasional patient is treated under general anesthesia.

Physicians and patients have been receptive to Gamma Knife radiosurgery. Nearly 600 patients have been treated with Gamma Knife in the 5 years the procedure has been offered at IU Medical Center campus. Now, the Indiana Lions Gamma Knife



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Center is upgrading its equipment to the next generation to provide more convenience and less time-consuming treatments.

“The new design and additional features of the Gamma Knife will be an asset to patients and the physicians delivering the treatment,” said Thomas Witt, M.D., associate professor of neurosurgery and co-director of the Center. “Although Gamma Knife radiosurgery is not appropriate for all types of brain tumors, it offers a great advantage to some patients.”

This is the only upgraded Gamma Knife model in Indiana and the Midwest. The upgrades to the existing Gamma Knife cost nearly \$1.3 million.

Gamma Knife radiosurgery is 50 percent to 75 percent less expensive than microsurgery, in part because at most only an overnight hospital stay is involved. Patients frequently return to work in a day or two after the treatment verses lengthy recovery times for surgery patients.

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July 18, 2002

Indiana University Seeking Volunteers For Osteoporosis Study

INDIANAPOLIS - The Indiana University School of Medicine is seeking participants for a clinical trial studying a new treatment option for osteoporosis.

To qualify for the study, female participants must be less than 85 years old, at least one year postmenopausal, have taken no Fosamax during the past year and no hormone replacement therapy or Evista for the past six months.

Participants will receive lab work, bone density measurements and a consultation with a physician free of charge. Compensation will be provided for participants who must make 22 trips to the IU Medical Center over a 2-year period. Enrollment in the study will continue through September.

For additional information, contact Annette at 317-274-0945.

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July 9, 2002

Stroke Patients with High Blood Sugar at Higher Risk of Death

INDIANAPOLIS -- Stroke patients who have hyperglycemia (high blood sugar) at the time of admission to the hospital for treatment of the stroke are at higher risk of death than stroke patients with normal blood sugar levels, according to a study published in the July 9 issue of the journal *Neurology* by researchers from the Indiana University School of Medicine, the Richard L. Roudebush Veterans Administration Medical Center and the Regenstrief Institute for Health Care.

The researchers led by the study's principal investigator, Linda S. Williams, M.D., assistant professor of neurology at the IU School of Medicine, analyzed the electronic medical records of 656 stroke patients hospitalized over a five-year period. Over 40 percent of these stroke patients had high blood sugar levels. Although most had previous diagnoses of diabetes, they did not have their blood sugar levels under control.

Dr. Williams and her colleagues found that having high blood sugar when the stroke occurred put patients at risk for higher 30-day, 1-year and 5-year mortality than if blood sugar levels were in the normal range. Patients with high blood sugar also stayed longer in the hospital and had higher hospital costs than those with normal blood sugar.

The researchers also reported that during hospitalization, the patients' hyperglycemia usually was not adequately addressed, with more than 90% of the hyperglycemic patients continuing to have high blood sugar during their hospital stay. They noted that although many treatments are available to lower blood sugar, improvements are needed in the implementation of these treatments during hospitalization.

"Diabetes is a growing problem in the United States. With the link shown in our study between diabetes and poor outcome after stroke, hyperglycemia at the time of stroke may become an even greater problem in years ahead both in terms of deaths and medical costs," says Dr. Williams.

Data used in the study was obtained from the Regenstrief Medical Records System, a physician-designed integrated inpatient and outpatient information system that is the largest coded, continuously operated electronic medical records system in the country.

"In the past, strokes and their devastating outcomes were considered almost 'acts of God,' a 'stroke' out of the blue. Now we know that they can be prevented, and once they occur, their consequences can be minimized through the use of thrombolytic 'clot-busting' drugs. This new study shows that other metabolic abnormalities such as hyperglycemia may also have substantial effects on outcomes of strokes. I hope this important yet preliminary study will lead to a controlled trial of tight blood glucose control among stroke patients with diabetes," notes William Tierney, M.D., senior author of the study.



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The National Institutes of Health recently funded this group of IU School of Medicine neurologists and endocrinologists to conduct a phase II study of rapid normalization of high blood sugar at the time of stroke. “This treatment is potentially very appealing,” says Dr. Williams, “because it is available at any hospital and is familiar to all physicians, so it could be widely used without major changes in the current health care system.”

The current study was supported by funding from the Indiana University Diabetes Research and Training Center.

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July 3, 2002

Combined Degrees Promote Health Care and Healthy Business

INDIANAPOLIS - Kevin W. McGarvey is taking care of business in his journey to become a physician.

The fourth-year student at the Indiana University School of Medicine recently entered the M.D./Master of Business Administration combined degree program, a joint endeavor of the medical school and the Indiana University Kelley School of Business at the Indiana University-Purdue University Indianapolis campus.

Five years of full-time study are required to obtain the M.D./M.B.A. instead of the minimum six years that normally would be undertaken if they were pursued separately. Typically, IU medical students spend three years in full-time study before they begin to integrate business courses.

That's the path McGarvey is taking and in doing so is in a class all by himself. He's the first and only medical student to enroll in the newly established combined degree program and will take four, six-month periods of study, alternating between medical and business coursework.

"I've always wanted to have a hand in business and find it fascinating," says McGarvey, who plans a career in emergency medicine. "Moreover, medicine is becoming more constrained by outside economic forces - insurance, pharmaceuticals, federal government and regulation - and believe it's essential I have a strong understanding of these forces if I am to become an effective physician-leader."

Both the M.D. and M.B.A. are conferred at the same time once all requirements for both disciplines have been met. McGarvey expects to receive his degrees in 2004.

"The ever-evolving nature of medicine in this country has created an interest in this kind of program," says D. Craig Brater, M.D., IU School of Medicine dean. "In partnership with the Kelley School of Business, we are responding to a need that will develop top-notch clinicians-managers who understand and meet the needs of their patients and balance it with the changing health-care delivery environment."

Anticipating and responding to the business end of medicine is a reality that cannot be ignored, Kelley officials note. "Understanding that changes in the health care industry are forcing physicians to pay more attention to the bottom line, we are pleased to partner with the IU School of Medicine in providing a program that facilitates the achievement of both a first class business and medical educational experience," says John M. Hassell, associate dean and professor of accounting at the IU Kelley School of Business.

McGarvey understands he's walking the point in pursuing both degrees. "In a sense, I guess you could say I'm a guinea pig, but overall the transition has been smooth,"



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says McGarvey. "This program is a tremendous opportunity."

For more information about the IU School of Medicine and its educational programs, go to <http://medicine.iu.edu/>. For more details about the IU Kelley School of Business, go to <http://kelley.iupui.edu>.

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July 3, 2002

Med Student Earns National Research Fellowship Award

INDIANAPOLIS - For some medical students, taking a year off from school could interrupt the momentum so critical in learning clinical and scientific skills. For Leah Kim Sieck, taking time off from her studies was an invaluable experience that not only broadened her research skills but also will reduce her medical school debt load.

Sieck, a third-year student at the Indiana University School of Medicine, recently received a continuing fellowship award from the Howard Hughes Medical Institute-National Institutes of Health Research Scholars program. This nationwide program allows medical students who have completed either their second or third year of schooling to work with scientists at the NIH laboratories in Bethesda, Md.

Only 42 medical students from the nation's 127 medical schools are selected annually for the program.

Last year, Sieck worked on a project studying the effects of a drug designed to arrest the growth of cervical cancer cells. The work was conducted in the lab of principal investigator David Gius, M.D., Ph.D.

Upon her return to IU School of Medicine, she applied for a continuing fellowship and recently learned she was granted a \$37,000 award. The fellowship will pay for her tuition, living expenses and books for her third year of medical school and is renewable for the fourth and final year.

"I'm surprised and grateful for this award," says Sieck, who is married and the mother of a two-year-old daughter, "Right now, there is a very low number of MDs who conduct biomedical research and this program gives students an excellent opportunity to gain experience in that area." She plans to specialize in radiation, radiation oncology or ophthalmology following graduation, and a research fellowship following her assigned residency.

Students in good standing at U.S. medical and dental schools are eligible to apply to the HHMI-NIH Research Scholars program. Those selected spend nine months to a year on the NIH campus, conducting basic research under the direct mentorship of senior NIH research scientists.

The Howard Hughes Medical Institute provides the administration and funding for the program, including the salaries and benefits for the research scholars. The NIH provides advisors, mentors, laboratory space and equipment and supplies for laboratory work.

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June 27, 2002

Edenberg Named To National Advisory Council

INDIANAPOLIS -- Howard J. Edenberg, Ph.D., has been named by Tommy Thompson, secretary for Health and Human Services, to the National Advisory Council on Alcohol Abuse and Alcoholism for a four-year term that started May 1.

Dr. Edenberg, Chancellor's Professor and professor of biochemistry and molecular biology and of medical and molecular genetics at the Indiana University School of Medicine, also participated in the 100th meeting of the Council in early June.

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June 27, 2002

Miyamoto Named To HHS Advisory Council

INDIANAPOLIS -- Richard Miyamoto, M.D., has been named to the National Deafness and Other Communication Disorders Advisory Council by Tommy Thompson, secretary for Health and Human Services. Dr. Miyamoto's four-year term began June 1.

Dr. Miyamoto is the Arilla Spence DeVault Professor of Otolaryngology- Head and Neck Surgery and chairman of the Department of Otolaryngology at the Indiana University School of Medicine.

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June 26, 2002

IU Med Students Placed in Family Medicine Clerkships

INDIANAPOLIS-- The Indiana University School of Medicine's Department of Family Medicine together with seven organizations has placed 34 students in summer family medicine preceptorships throughout Indiana.

The Family Medicine Scholars Consortium was formed in 1999 with the goal of increasing the number of medical school graduates entering primary-care residencies. Participating students completed their first year of medical school this spring. Consortium members include Clarian Health Partners Inc., the Indiana State Department of Health, Saint Joseph's Medical Center, Indiana Academy of Family Physicians, Midwest Center for Rural Health, Deaconess Hospital and the IU School of Medicine Department of Family Medicine.

These programs were developed in response to the ongoing shortage of primary care physicians in Indiana. Currently, nearly two-thirds of Indiana's 92 counties are designated by the Indiana State Department of Health as either a health professional shortage area or a medically underserved area.

"This program allows students to train in a real-world environment," says Brenda S. O'Hara, M.D., director of medical education in the Department of Family Medicine. "Students see real patients in a family medicine physician's office. They work with a variety of health care providers, hospital departments, and social service agencies to understand the role of the physician within a community.

The students' experiences often shapes their medical career plans, too. "I often hear from students at the end of the summer how the program not only impacted their interest in family medicine but also reminded them why they went to medical school in the first place," claims Dr. O'Hara

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June 25, 2002

IU, Methodist Cancer Centers Seek Participants For Breast Cancer Study

INDIANAPOLIS - The Indiana University School of Medicine and Methodist Cancer Center are seeking participants for a breast cancer research study. IU, Methodist and Riley Hospital for Children are part of Clarian Health Partners.

IU and Methodist Cancer Centers are part of STAR (Study of Tamoxifen and Raloxifene), an important initiative investigating how to prevent breast cancer.

If you meet one of the criteria below, you may be eligible to take part in the STAR research study:

- 35 years of age or older
- postmenopausal
- family history of breast cancer
- were more than 30 years old when you had your first child
- have had a breast biopsy
- have never been diagnosed with breast cancer

To find out if you are eligible to take part in the STAR research study, call (317) 962-6193 to make arrangements to take a risk assessment and answer questions.

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June 19, 2002

Riley Hospital Seeks Participants For Mood Disorder Study

INDIANAPOLIS - The Indiana University School of Medicine Department of Psychiatry is seeking children and adolescents for a study on the effectiveness of a medication to treat mood disorders.

The study, conducted at Riley Hospital for Children, will compare the effect of the new medication to placebo. Study participants must be between the ages of 6 and 17 years and must have a current episode of major depression, bipolar disorder or other mood disorders. Some symptoms may include sadness, mood swings, irritability, excessive crying, withdrawal or feelings of guilt.

Participants will receive free a complete evaluation for a mood disorder at no charge. Participants also will be compensated for travel expenses.

For additional information, contact Allie Lund at 317-278-4887, or by e-mail at kidpsych@iupui.edu.

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June 19, 2002

Riley Hospital Seeks Participants For Bipolar Study

INDIANAPOLIS - The Riley Child and Adolescent Psychiatry Clinic is seeking children and adolescents for a study investigating the effectiveness of a medication for treatment of bipolar disorder.

Study patients must be between the ages of 13 to 17 years and must have a current episode of bipolar disorder (manic-depression). Symptoms include sudden mood swings (from extreme happiness to extreme sadness), attacks of rage or extreme irritability, bizarre thoughts, silly/uninhibited behavior and lack of sleep with a major increase of energy. In addition, individuals may experience sadness, irritability, crying spells, withdrawal, and feelings of guilt.

Participants will receive a complete evaluation for bipolar disorder at no charge and will be reimbursed for travel expenses.

For more information, contact Allie Lund at 317- 278-4887, or e-mail at allund@iupui.edu.

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June 18, 2002

Boning Up On The Genetic Factors Of Osteoporosis

INDIANAPOLIS - Indiana University School of Medicine is seeking biological brothers for a research study to evaluate the genetic link to osteoporosis, a common and often debilitating disease characterized by bone loss.

The study will involve 1,400 biological brothers between the ages of 20 and 60 with no apparent health problems.

Participants will be required to make one four-hour visit to the IU Medical Center for free bone density measurements, cholesterol and blood pressure screenings and a blood draw. Compensation will be provided.

To participate in the brothers' study, call 317-274-0950.

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June 17, 2002

Thirty Indiana University medical faculty listed in America's Top Doctors

INDIANAPOLIS - Thirty faculty physicians at the Indiana University School of Medicine have been listed in the 2002 issue of America's Top Doctors. They are among 35 Indiana physicians recognized by their peers as top physicians in their fields. They are affiliated with Indiana University Hospital, Methodist Hospital and Riley Hospital for Children at Clarian Health Partners, Wishard Health Services and Richard Roudebush VA Medical Center.

The physicians are selected through nominations by and surveys of physicians throughout the country. America's Top Doctors lists only on the top one percent of specialists and sub-specialists in the United States.

"There are thousands of excellent physicians in Indiana, many of whom have trained with these physicians," says D. Craig Brater, M.D., dean of the IU School of Medicine. "Along with their colleagues and the nearly 2,000 IU School of Medicine volunteer faculty in Indiana, they serve all Hoosiers through their patient care, research and participation in medical education."

America's Top Doctors, published by Castle Connolly Medical Ltd., is a guide to finding the national's top specialists and is a trusted source for health care choices.

Physicians from IU School of Medicine are:

Neonatology (Newborns)

James Lemons

Pediatric Cardiology

Randall Caldwell

Pediatric Dermatology

Patricia Treadwell

Pediatric Infectious Disease

Martin Kleiman

Pediatric Nephrology

Sharon Andreoli

Jerry Bergstein

Pediatric Neurosurgery

Thomas Luerssen

Pediatric Surgery

Jay Grosfeld

Pediatric Urology

Richard C. Rink

Cardiology

Douglas Zipes

Cardiac Surgery



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John W. Brown
Mark Turrentine

Gastroenterology-Hepatology
Paul Kwo
Douglas Kevin Rex

Gynecology
Katherine Look
David Moore

Medical and Molecular Genetics
David Dawson Weaver

Neurology
Martin Farlow
John C. Kincaid
Robert Pascuzzi
Karen Roos

Oncology (Cancer)
Lawrence Einhorn
George W. Sledge

Oncology (Cancer) Surgery
Robert Goulet

Orthopaedic Surgery
Alexander Mih
Richard Idler

Otolaryngology (Ears, Nose and Throat)
Richard Miyamoto

Plastic Surgery
John Coleman

Physical Medicine/Rehabilitation
Randall Braddom

Urology
John J. Mulcahy

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June 17, 2002

Medical Professor To Lead Continuing Medical Education Program

INDIANAPOLIS - Charles M. Clark, M.D., has been named associate dean for Continuing Medical Education at the Indiana University School of Medicine, effective July 1.

Dr. Clark, who joined the IU School of Medicine faculty in 1969, will retain his current appointments as professor of medicine and of pharmacology and toxicology, and adjunct professor of public health.

“He possesses extraordinary administrative and organizational skills as evidenced by his leadership in establishing the Diabetes Research and Training Center. Due in large part to his efforts, IU has become a leading institution in diabetes research and care,” said Stephen B. Leapman, M.D., executive associate dean for educational affairs, in announcing the appointment.

Dr. Clark also has served as co-director of the Regenstrief Institute and as associate chief of staff for research and development at the Richard L. Roudebush VA Medical Center.

In his new role of associate dean for CME, Dr. Clark will provide continuing medical education to the physicians of the state of Indiana and beyond through innovative programming and distributed educational technology. The CME office will continue its national prominence achieved through the efforts of Steven Jay, M.D., and Beverly Hill, Ed.D.

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June 10, 2002

Saha Receives Honors from Alma Mater

INDIANAPOLIS -- Chandan Saha, PhD, is the 2002 winner of the Milford E. Barnes Award for Academic Excellence in Biostatistics. Dr. Saha is assistant professor of medicine, Division of Biostatistics, at the Indiana University School of Medicine.

The award was established in 1968 to honor Milford E. Barnes, M.D., Dr.P.H., and director of the University of Iowa Department of Hygiene and Preventive Medicine from 1930-1952. The award is given annually to its outstanding doctoral student.

Dr. Saha received his degree in biostatistics in 2001 from the University of Iowa and joined the IU School of Medicine in November.

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June 6, 2002

New IU Pediatrics Program Focuses on Patient Advocacy

INDIANAPOLIS - Providing optimum health care to youngsters is far more than giving routine physical exams, making diagnoses, writing prescriptions and charting appropriate treatment plans. The ever-evolving role of pediatric physicians requires a fuller understanding of children's total environment and working with the community in which they live.

That's the driving force behind a newly created outreach endeavor at the Indiana University School of Medicine Pediatrics Residency Program. Funded by a \$2.5 million grant from the Anne E. Dyson Foundation, the initiative, Partnerships for Change: Putting the Puzzle Together, will team pediatric residents with residents and students from the IU Schools of Dentistry and Nursing at the Indiana University-Purdue University Indianapolis campus.

Specifically, the Dyson grant establishes collaborative partnerships between the IU schools and family and community service organizations: the Hispanic Education Center, the Julian Center and the Indiana Parent Information Network.

"The initiative seeks to give pediatric residents the tools and knowledge they need to become more fully rounded physicians who are committed to improving the health of the children, more actively engage residents in the communities they serve and make them better advocates for their patients and families," says Sarah Stelzner, M.D., associate clinical professor of pediatrics.

The IU Pediatrics Training Program is the only one in the state and is responsible for training more than 85 percent of all practicing pediatricians in the state.

Dr. Stelzner, along with Steve Downs, M.D., M.S., associate professor of pediatrics, and Nancy Swigonski, M.D., M.P.H., assistant professor of pediatrics, are leading the initiative. They are joined by Karen Yoder, Ph.D., associate professor, IU School of Dentistry, and Mary Beth Riner, D.N.Sci., R.N., assistant professor, IU School of Nursing.

The initiative shifts from a medical-only approach to care to what is called the "medical home model," emphasizing family centered, community based coordinated systems of health care that are culturally appropriate and effective.

For example, residents will work directly with patients and families served by or referred by the Hispanic Education Center, providing residents with a more direct opportunity to learn their unique cultural and social environments affecting health care.

"The medical home model helps residents to more successfully function in a multitude and variety of roles and to better assess the needs of their patients and their environments," Dr. Downs says.

Pediatric residents also will work with youngsters at the Julian Center, an Indianapolis facility serving women and children who are victims of domestic abuse. Further, dental residents and nursing students will help the residents set up health programs in



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neighborhoods and schools.

The partnerships with the three organizations and numerous families will provide improved professional development for pediatric residents. The multidisciplinary approach also will develop a competency-based community pediatrics curriculum at the IU School of Medicine, and form collaboration between the medical school's Office of Medical Service-Learning, the Indiana State Department of Health and the local chapter of the American Academy of Pediatrics.

"We believe residents will be better able to synthesize what they learn in clinical practice with public health principles to broaden their perspective of care from the individual child to all children within the context of family, school and the community," notes Dr. Swigonski.

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Wednesday, June 5, 2002



Current Colon Cancer Screening Recommendations Supported By Study of 40-49 year Olds

INDIANAPOLIS -- The findings of a study published by researchers from the Indiana University School of Medicine in the June 6 issue of the New England Journal of Medicine suggest that the absolute risk of precancerous polyps and colorectal cancer in individuals under age 50 is very low. These findings support current recommendations that routine colon cancer screening begin at age 50 for individuals at average risk for the disease.

“A problem with current colorectal cancer screening is that it is not as risk based as it should be. We do not have accurate and reliable methods of estimating an individual person’s risk. Our findings support the observation that age is a good predictor of risk,” said Thomas F. Imperiale, M.D., associate professor of medicine at the Indiana University School of Medicine, research scientist at the Regenstrief Institute for Healthcare and staff physician at the Richard Roudebush VA Medical Center. Established risk factors for colorectal cancer include a family history of the disease, previous ovarian, uterine, breast or colorectal cancers, and ulcerative colitis.

The study reviewed the procedures and pathology reports of colonoscopies of 906 individuals between the ages of 40 and 49 who did not have symptoms of colorectal cancer and who have no established genetic risk for the disease. No cancer was found in any of these individuals.

“People, of any age, who think they may be at high risk or have symptoms such as rectal bleeding should speak with their physician about the need for screening or for a diagnostic evaluation,” said Dr. Imperiale, who is a gastroenterologist.

In spite of the low prevalence of cancer detected by screening in persons under age 50 in this study, about 7 percent of colorectal cancers are known to occur in individuals under age 50. It is not clear to what extent these cases occur in individuals with a predisposition to the disease according to Dr. Imperiale. He and colleagues are currently undertaking a pilot study to look for risk factors for precancerous and cancerous colon polyps in individuals under age 50 who have no known genetic risk for colorectal cancer.

Collaborators on the study were Gregory Larkin, MD, Director of Health Services at Eli Lilly; James Rogge, M.D. and David Wagner, M.S. of the Indianapolis Gastroenterology Research Foundation; Ching Lin, B.S. of the IU School of Medicine and David Ransohoff, M.D. of the University of North Carolina.

The study was funded, in part, by the National Institute of Diabetes & Digestive & Kidney Diseases.

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June 5, 2002

Epilepsy Procedure A First In Hoosier State

INDIANAPOLIS - Indiana University School of Medicine will treat the first patient in Indiana with a new, non-invasive surgical procedure to eliminate epileptic seizures on June 6.

The School of Medicine is one of six institutions in the nation participating in the National Institutes of Health clinical trial for intractable epilepsy. Currently, the only approved treatments involve medication or invasive surgery. This protocol is called radiosurgery and uses the Gamma Knife to focus 201 beams of gamma radiation on the precise location of the brain responsible for the seizures.

When the beams converge, the targeted area of the brain receives a full-treatment dose of radiation. Gamma Knife radiosurgery spares healthy areas of the brain from high-dose exposure to gamma radiation.

"This is the first clinical trial in the United States of this promising treatment for epilepsy," says Paul DesRosiers, M.D., assistant professor of radiation oncology and the principal investigator of the IU School of Medicine trial. "As many as 10 patients will be treated at IU in this trial which is designed to determine the most effective radiation dose for eliminating the seizure focus in the brain."

Patients over the age of 18 with a specific form of temporal lobe epilepsy, who would otherwise be candidates for the traditional surgery, are eligible to participate in this clinical trial. It is estimated that up to 1 percent of the U.S. population has epilepsy and that 20 percent of those patients have the type of epilepsy that may benefit from surgery. The surgery, for patients with seizures stemming from one temporal lobe of the brain, is up to 95 percent effective.

"The IU Comprehensive Epilepsy Program is the only one in the state dealing with these extreme cases," says Vicenta Salanova, M.D., associate professor of neurology and co-director of the program. "More than 500 patients have been evaluated in the clinic and, of those, 300 have qualified for surgery. As many as 90 percent of these patients became seizure free or had rare seizures, with significant improvement in their quality of life. Preliminary data indicate that the Gamma Knife radiosurgery also may be effective for select patients and will offer them another treatment option."

Gamma Knife radiosurgery eliminates many of the risks inherent with traditional surgery because it is non-invasive. The radiation is diffused through a 300-pound collimator helmet, which resembles a large version of the kitchen colander. The patient's head is placed inside the helmet and held fast at four points to the skull. Each of the "drain holes" is actually an aperture that creates beams of varying strength and diameter allowing precise delineation of the area to be treated. When the individual beams converge, that area receives the full treatment dose of gamma radiation.

Treatment time is much less than that of traditional surgery and the recovery period usually involves only one over-night hospital stay.



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Faculty members from the IU Departments of Neurology, Neurosurgery, Neuroradiology and Radiation Oncology are involved in the clinical trial. Patients are initially evaluated in the multidisciplinary seizure disorder clinic by Dr. Salanova and Robert M. Worth, M.D., professor of neurosurgery, co-directors of the program.

Treatments will be done in the Indiana Lions Gamma Knife Center at the Indiana Cancer Pavilion. The center is directed by Robert Timmerman, M.D., assistant professor of radiation oncology, and Thomas Witt, M.D., associate professor of neurosurgery.

IU School of Medicine was the first in the state to use Gamma Knife radiosurgery technology. The first patient in Indiana was treated in September 1997 and since then more than 500 patients with benign and malignant brain tumors, vascular malformations or facial pain, such as trigeminal neuralgia, have been treated with this sophisticated technology.

Recent advances in neuroradiology have made it possible to more precisely evaluate the function of different regions of the brain leading to advanced treatments such as radiosurgery for epilepsy.

For additional information about the trial, call 317- 274-1190.

For more information on the IU Gamma Knife program, see www.iupui.edu/~neurosurgammaknife.html or www.clarian.org/clinical/gammaknife/index.jhtml?print=true.

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June 3, 2002

Travel Clinic For Children Opened at Riley Hospital for Children

INDIANAPOLIS – A multidisciplinary specialty clinic devoted to the prevention and treatment of travel-related medical problems in the young international traveler has opened at Riley Hospital for Children.

The Pediatric Travel Medicine Clinic provides education, appropriate medications and vaccines in preparation for travel outside the United States. A healthy dose of advice also is available to protect travelers from potential medical pitfalls while traveling. Services are provided for children of all ages, as well as the accompanying adult family members.

The clinic also evaluates and treats illnesses young travelers contract while out of the country.

John Christenson, M.D., professor of clinical pediatrics at the Indiana University School of Medicine, directs the clinic.

“Children and teenagers travel to international destinations for diverse reasons. Whether the visit be brief or for an extended period, there is potential for exposing young travelers and their family members to illnesses endemic to the region and relatively unfamiliar to most Indiana physicians,” said Dr. Christenson. “The most common of these are malaria, hepatitis A, diarrheal disease, typhoid fever, yellow fever, tuberculosis and a variety of parasitic infections.”

Most of these illnesses can be prevented by education directed at avoiding exposure, use of preventive medications and, in some instances, by the use of specialized vaccines, says Dr. Christenson. Many of these vaccines are not readily available in the community and only certain clinics, such as the one at Riley, can offer yellow fever vaccination and the International Yellow Fever Vaccination Certificate required in some countries of Africa and South America.

Dr. Christenson joined the IU faculty in 2001. Previously, he spent 14 years at the University of Utah where he assisted with the creation of a similar pediatric travel medicine clinic. For 11 years he has worked with physicians in various countries, especially Guatemala and Ghana, on issues of international health and education. He is a member of a small group of clinicians nationally recognized as experts in pediatric travel medicine.

For additional information or to schedule an appointment at the Pediatric Travel Medicine Clinic call 317-274-7260.

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May 29, 2002

Cornetta Named Chairman Of IU Department Of Medical And Molecular Genetics



INDIANAPOLIS - Kenneth Cornetta, M.D., professor of medicine and director of the National Gene Vector Laboratory at Indiana University, has been named chairman of Department of Medical and Molecular Genetics. He will assume his new duties July 1 pending approval by the Trustees of Indiana University.

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"Dr. Cornetta was instrumental in promoting the IU School of Medicine bone marrow transplant program to one of national prominence while, at the same time, developing the viral vector facility, the only National Institutes of Health-funded vector laboratory for human gene therapy experiments in the country," said IU School of Medicine Dean D. Craig Brater, M.D., in announcing the appointment.

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Dr. Cornetta joined the School of Medicine faculty in 1991. Previously, he was an instructor and hematology fellow at the University of Wisconsin. He also was a National Research Service Award Fellow in the Molecular Hematology Branch at the NIH, and chief resident in the IUSM Department of Medicine.

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He received his medical degree from Albany (N.Y.) Medical College.

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Gail Vance, M.D., has served as acting chairman of the department since March 1999. She is director of the Indiana Familial Cancer Program and associate professor of medical and molecular medicine.

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May 28, 2002

Mental Health Symposium To Focus on 9/11 Aftermath

Mental Health in Troubled Times: Yesterday, Today and Tomorrow is the theme for the fifth annual Mental Health Symposium presented by the Mental Health Association in Indiana and the Indiana University School of Medicine Department of Psychiatry. The Symposium will be held on Friday, May 31st at the Crowne Plaza Hotel, Union Station, in downtown Indianapolis.

During the luncheon, the Mental Health Association in Indiana will hold its annual meeting. People all too familiar with the aftereffects of the 9/11 tragedy will make special presentations. Brad Schmidt, PhD., will be the keynote speaker. Dr. Schmidt is a noted trauma expert and was co-author of the article, "Fear Not," in the January-February 2002 issue in Psychology Today.

Prior to Dr. Schmidt's presentation, Lawrence Fire Department Battalion Chief Brian Mulhern will share his experience going to Ground Zero in the aftermath of the September 11 attacks. Mr. Mulhern is a member of the Indiana Task Force One and this task force went to New York to participate in the search and rescue efforts.

According to Stephen C. McCaffrey, "Even though eight months will have passed since the 9/11 tragedy, the psychological effects remain for many individuals and society as a whole. This impact on the mental health of our country will linger for decades to come."

The symposium is the only one of its kind in the nation as it brings together people in recovery, family members, caregivers, advocates, researchers and providers. In this unique setting, attendees come together to discuss the latest advances in psychiatric research and treatment. Participants will learn how research is positively affecting treatment for individuals with mental illness and addictive disorders.

Full registration for the conference is \$95 and can be made by calling the Mental Health Association in Indiana, Inc. at (317) 6398-3501 or (800) 555-6424. Scholarships are available and information is available from the Mental Health Association. In addition, exhibition space is available and information on booth size and rental fees is available by calling the Mental Health Association in Indiana.

Sponsors of the symposium include Eli Lilly & Co., The Saturday Evening Post, Indiana University School of Medicine Department of Psychiatry, The Institute of Psychiatric Research, Governor's Planning Council for People with Disabilities, and Indiana Protection and Advocacy Services.

The Mental Health Association in Indiana is composed of 60 local chapters and the State organization, the largest in the nation. It works to improve the mental health of all Hoosiers through advocacy, education, research and service. For more information about the Indiana association and its programs, call (800) 555-6424.



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Emergency Medical Services Week Observed May 19-25

"Help is a Heartbeat Away" is the theme of the 2002 Emergency Medical Services Week observance May 19-25.

The national observance is planned to recognize all the faceless individuals who provide care, comfort and rescue efforts in emergencies. The list of providers is lengthy and includes paramedics, emergency medical technicians, first responders, firefighters, police, emergency room doctors, nurses, technicians and staff, civil defense officers, and others.

Thursday, May 23rd will be devoted to Emergency Medical Services for Children, directed to child safety and injury prevention efforts and education.

Organizational sponsors of the national observance include the American College of Emergency Physicians (www.acep.org), Emergency Medical Services for Children (www.ems-c.org), and the National Highway Traffic Safety Administration (www.nhtsa.dot.gov).

Indiana University School of Medicine faculty involved with emergency medical services training are available for interviews. They include:

L.R. (Tres) Scherer, M.D., professor of pediatric surgery at the IU School of Medicine and director, Kiwanis-Riley Regional Pediatric Trauma Center at Riley Hospital for Children. Dr. Scherer and his staff at Riley organize educational programs for those who are charged with the safety and care of ill and injured children.

Roland McGrath, M.D., chairman, Department of Emergency Medicine, IU School of Medicine. Emergency Medicine is a new and evolving academic department within the Indiana University School of Medicine. Its local history is derived from the selfless contributions to students and Emergency Medicine residents by the volunteer faculty at Methodist Hospital. The academic department was established in July 1999. It became the 19th clinical department in the School and the 58th academic department in the country.

Michael Olinger, M.D., associate professor of Emergency Medicine at the IU School of Medicine, and director of out-of-hospital emergency medicine at Wishard Memorial Hospital. Dr. Olinger is involved at the national, state and local levels of EMS. He currently serves as an incident team member of the Federal Emergency Management Agency (FEMA), a member of the State EMS commission, and as Medical Team Manager of the Marion County Urban Search and Rescue Task Force.

Chuck Ford, EMT-P, director of Emergency Medical Services at Wishard Memorial Hospital. He oversees 200 medics, EMTs and EMS educators for the service, which is the provider for the city of Indianapolis. The Wishard services responds to 65,000 calls each year and has 25 ambulances at city fire stations, township fire departments and Indianapolis hospitals. It was the first ambulance service in the state and has been in operation since 1887, when the ambulances were horse-powered. It is one of the largest hospital-based services in the country.

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Leon Bell, a paramedic and director, Paramedicine Associate Degree Program at IU. Graduates hold an associate degree along with a paramedic license. The program started in 1993 and graduates 10 paramedics a year. He has been teaching emergency medical services classes for 26 years and has a volunteer and part time medic in Putnam County for 25 years.

Other contacts include any paramedic, EMT, ambulance driver, first responder, firefighter, police officer, or other public safety officer in your community.

For additional information or to speak to one of the IU School of Medicine "emergency team" members contact Phil Chang (phchang@indiana.edu) or Mary Hardin (mhardin@iupui.edu), 317-274-7722

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May 20, 2002

Indiana University Orthopaedic Surgeon To Share Cartilage Growth Research Results At National Tissue Engineering Conference



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INDIANAPOLIS - Degenerative joint disease is on the rise as the population ages costing untold dollars in lost productivity and medical expenses. Few remedies exist, other than joint replacement surgery, but a growing field of tissue engineering research is seeking less invasive and less painful ways to address the problem.

One of those researchers is Stephen B. Trippel, M.D., professor and chairman of the Department of Orthopaedic Surgery at Indiana University School of Medicine.

Dr. Trippel will join other researchers from across the country May 20-22 in Boston to discuss the latest, most promising research techniques for restoring tissue during the Sixth Annual Orthopaedic Tissue Engineering Conference.

The research scientists will share information on new approaches to enhance the repair and regeneration of musculo-skeletal tissue through advances in gene therapy, stem cells, growth factor delivery, scaffolding techniques and synthetics.

Dr. Trippel's research involves articular cartilage repair through the use of a naturally occurring growth factor. Articular cartilage is the thin layer of cartilage on the surface of a joint that allows unhindered and painless movement. Aging, age-related diseases and trauma can result in permanent damage to articular cartilage.

Although his research is not yet ready for human clinical trials, Dr. Trippel says that laboratory results are encouraging. For example, Henning Madry, M.D., a post-doctoral fellow in Dr. Trippel's laboratory, has succeeded in transferring the gene for insulin-like growth factor, or IGF-1, into cartilage cells. This growth factor is a naturally occurring substance which has been found in the laboratory and in clinical studies to stimulate cartilage-cell growth. When the IGF-1 gene was integrated into the cells, the cells were able to make better cartilage than cells without the gene.

Additional data suggest that the ability of these cells to manufacture new cartilage also is improved when the cells are grown in a pre-constructed, biocompatible scaffold, a technique used in tissue engineering.

"We believe that combining gene therapy techniques with tissue engineering techniques may achieve better results than with either technology alone," says Dr. Trippel.

The next step will be to find the combination of conditions that generates the best new cartilage and to ensure that the techniques are safe. These are necessary early steps in the long path of a new potential therapy before it is used in human clinical trials.

Dr. Trippel's research was funded by a National Institutes of Health grant.

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May 17, 2002

Grant Will Advance Research of Infection-Fighting Blood Cells

INDIANAPOLIS - Scientists at the Indiana University School of Medicine have been awarded a \$5 million grant that will enable them to probe the function of a blood-cell protein that bolsters the body's immune system yet is also thought to lead to certain diseases.

The National Institutes of Health awarded the five-year grant to investigators at the school's Herman B Wells Center for Pediatric Research. It will enable them to study blood cell development and function. Their work centers on the role of Rac2, a protein found to be important in the function of phagocytic blood cells - special cells that produce agents that kill microbes - such as macrophages and granulocytes.

Macrophages are specialized cells that engulf and destroy large particles such as bacteria, yeast and dying cells, and help rebuild damaged tissue. Granulocytes are white blood cells that provide the body's defense against disease.

"These cells are important components of the immune system and are necessary to fight microbial infections, but they also can damage normal tissue," says David G. Skalnik, Ph.D., principal investigator and professor of pediatrics and biochemistry and molecular biology at the IU School of Medicine.

"We are interested in studying the phagocytic substances because they have been implicated in causing some human diseases such as heart attacks, stroke, atherosclerosis and arthritis," Dr. Skalnik adds.

Other program investigators are Mary Dinauer, M.D., Ph.D., professor of pediatrics and medical and molecular genetics and director of the Wells Center; Wade Clapp, M.D., associate professor of pediatrics and microbiology and immunology; Lawrence Quilliam, associate professor of biochemistry and molecular biology; Simon Atkinson, M.D., associate professor of biochemistry and molecular biology and David Williams, M.D., a former Wells director who now is associated with the University of Cincinnati.

A rather special breed of mice will aid Dr. Skalnik and his colleagues in their research. The mice, developed by Drs. Dinauer and Williams at the IU School of Medicine, lack a functional Rac2 gene and exhibit immune system defects.

"Although our research program is focused on basic science, the long-term results of our studies could provide novel approaches to control phagocyte function and thus control disease," Dr. Skalnik says.

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On The Web

Herman B Wells Center for Pediatric Research

www.iupui.edu/%7Ewellsctr

Indiana University School of Medicine-News



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May 16, 2002

Packer Receives Award for Gender-Specific Medical Research

INDIANAPOLIS -- C. Subah Packer, Ph.D., has received the M. Irene Ferrer Award for Original Research in Gender-Specific Medicine for the second consecutive year. The award was presented at the May 8 conference of the Partnership for Women's Health at Columbia University.

An associate professor of physiology at the Indiana University School of Medicine, Dr. Packer's award was based on her original research entitled "Gender Dichotomy in Reactivity to the Vasoactive Oxidant Hydrogen Peroxide in Spontaneously Hypertensive Rats."

The Partnership for Women's Health at Columbia University was founded in 1997 as a collaboration between academic medicine and the private sector focusing solely on gender-specific medicine. Gender-specific medicine is the science of how normal human biology differs between men and women and of how the diagnosis and treatment of disease differs as a function of gender. The founding co-sponsors of the Partnership were Columbia University College of Physicians & Surgeons, Procter & Gamble and The Kellogg Foundation.

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May 13, 2002

IU's Indiana Genomics Initiative Seminar Series Begins

INDIANAPOLIS - Thomas C. Kaufman, Ph.D., distinguished professor in the Department of Biology, IU-Bloomington, is scheduled to make the first presentation in what will be a long-running series of seminars sponsored by the Indiana Genomics Initiative (INGEN).

"Genes, Genomes, Flies and Us" is the title of the address he will deliver noon, Wednesday, May 15 at the IU School of Medicine on the Indiana University-Purdue University Indianapolis campus.

Dr. Kaufman is an expert in molecular and developmental genetics and also an investigator with the prestigious Howard Hughes Medical Institute.

INGEN, established in 2001 with a \$105 million grant from the Lilly Endowment Inc., creates a world-class biomedical enterprise built on the existing strengths at the IU School of Medicine and other IU schools and departments in Bloomington and Indianapolis. The initiative takes full advantage of IU's exceptional information technology infrastructure, which provides supercomputers, facilities to store massive amounts of data, and three-dimensional visualization laboratories.

For more information about the Indiana Genomics Initiative, visit its web site at www.ingen.iu.edu/index.html.

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May 13, 2002

Distinguished Alumnus, Former Dean To Be Feted at IU Medical Alumni Weekend



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INDIANAPOLIS - The nation's longest-serving chairman of a department of medicine and a former dean of the Indiana University School of Medicine will be honored during the annual Spring Medical Alumni Weekend, May 17-19.

Robert Schrier, M.D., will be presented with the Distinguished Medical Alumni Award during a luncheon Saturday, May 18, at Indiana University-Purdue University Indianapolis.

Dr. Schrier is a 1962 graduate of IU School of Medicine. He has served as chairman of the Department of Medicine at the University of Colorado since 1976. Previously, he served as director for 20 years of the Division of Renal Diseases and Hypertension at the University of Colorado. He has been recognized nationally and internationally for his research in renal medicine.

In 1989, he was elected a member of the Institute of Medicine of the National Academy of Sciences. He also is the recipient of one of the highest honors of the American College of Physicians, the John Phillips Award, along with numerous other awards from various professional societies and associations.

The Glenn W. Irwin Jr. Distinguished Faculty Award will be presented to Robert Holden, M.D., dean emeritus of the IU School of Medicine. Dr. Holden served as dean from 1995 until 2000. A 1963 graduate of the IU School of Medicine, he was chairman of the Department of Radiology from 1991 until he accepted the position as dean.

Dr. Holden also holds an undergraduate pharmacy degree from Purdue University. He has received numerous professional awards including the Gold Medal Award from both the Indiana Roentgen Society and the Association of University Radiologists. In 1992, he received the Distinguished Alumni Award from the Purdue University School of Pharmacy and Pharmacal Sciences. He is a fellow of the American College of Radiology and the Society of Cardiovascular and Interventional Radiology.

Medical alumni from across the country will gather for class reunions, educational seminars and other events.

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May 9, 2002

Hoosier Child Safety Advocates Honored for Programs, Service

INDIANAPOLIS - Each year, about 6,000 children die on the nation's highways and in other accidents and more than 14 million - one out of every four American youngsters - are injured seriously enough to require medical attention.

But many Hoosier adults and safety-minded groups are taking a stand to reduce and one day erase those grim statistics by establishing meaningful safety programs. A select group of these people were honored for their efforts by the Indiana University School of Medicine for their efforts at a special ceremony, Thursday, May 9, at the Garrison Conference Center at Ft. Benjamin Harrison.

"Many people and organizations throughout our state go well above and beyond the call of duty to further child safety issues and that's why we honor them," notes Keisha Nickolson, project manager of the Automotive Safety Program at IU School of Medicine and the Indiana Safe Kids Coalition. "Prevention equates to protection - and that's something every parent, caregiver and adult in this state should strive for when it comes to our children."

Winners of the 2002 Child Safety Advocate Awards and their respective categories:

Individual: Anne Price, Carmel. Developed child-seat fitting station at the Carmel Police Department

Government: Rep. Peggy Welch, Bloomington. Introduced legislation in the Indiana General Assembly requiring booster seat usage, helmets for bicycling youths and increased penalties for those convicted of child pornography-related crimes.

Business: Atwood Mobile Products, Elkhart. Several employees volunteer for child-seat fitting stations and attend training and certification programs, and are strong supporters of the Elkhart County Safe Kids Coalition.

Law Enforcement: Sgt. Rodger Popplewell, Indiana State Police, Allen County. Was instrumental in establishing Safe Kids program in Allen County and is a strong public advocate for children passenger safety education, developing a system to teach parents and caregivers how to properly use booster seats.

Community Agency: United Way of Central Indiana. Assisted with the statewide rollout of Boost America!, a nationwide program promoting the use of car booster seats for children

Media: Rich Van Wyk, WTHR-13, Indianapolis. Reported and produced a news series on school traffic safety issues.

Medical and Permanent Fitting Station: Lutheran Children's Hospital, Ft. Wayne. Operates a permanent child seat safety fitting and inspection stations; trains seat technicians from other nearby hospitals and medical centers; co-sponsors all car seat clinics through the local Safe Kids Chapter.



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Safe Kids: Elkhart County Safe Kids Coalition. The 10-year-old coalition educates parents and children about safety issues through strong community education and outreach programs; distributes free bicycle helmets to students; provides smoke detectors to families; "Kids on the Block" program entertains and teaches youngsters about seatbelt usage, bicycling safety and avoiding drugs.

Recognition of the award winners and other nominees was during National Safe Kids Week, May 4-11.

The Automotive Safety Program for Children was founded in 1981 by Marilyn Bull, M. D., director of IU developmental pediatrics at Riley Hospital for Children. The program provides information, programming and other resources throughout the state to promote passenger safety.

Launched in 1997 by the IU School of Medicine and Riley Hospital for Children, the Indiana Safe Kids Coalition has seven associate coalitions and 27 chapters throughout the state. It works with local law enforcement agencies, medical organizations, fire departments, educators and individuals

For more information about the Automotive Safety Program for Children and Indiana Safe Kids Coalition, go to www.preventinjury.org.

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May 7, 2002



Car Seat Safety Clinics Geared for Indy Latinos

INDIANAPOLIS -- Safety experts at the Indiana University School of Medicine long have educated the public that child car seats save lives and reduce injuries. They're taking that message to the city's growing Latino population to ensure more youngsters are protected.

The School's Automotive Safety Program for Children is sponsoring a child-seat safety clinic, 1:30 p.m. to 4 p.m., Thursday, May 16, at the Hispanic Education Resource Center, 580 Stevens St. Specialists will be on hand to demonstrate the proper use of car seats and to inspect the condition of those already in use.

"While the fatality and injury rate for children in motor vehicle crashes has declined over the past two decades, a disproportionate number of Latino children are injured and killed in motor vehicle crashes," notes program manager Justin Sims. "The clinic we will conduct at the Hispanic center is a way for us to educate our public and further reduce roadway tragedies."

The Automotive Safety Program for Children is located at the IU School of Medicine and offers its services statewide. Current programs include low-cost car-seat distributions, child safety seat fitting stations and clinics, Project SEAT (coordinated with local and state law enforcement agencies), curricula guides for elementary students and teachers, and advocacy materials for parents and organizations.

For more information about the Automotive Safety Program for Children, call 317-274-2977, or visit its web site at www.preventinjury.org.

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May 1, 2002

Early Intercourse And Self-Esteem Linked In Adolescent Behavior IU Researchers Say



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INDIANAPOLIS - Self-esteem plays an apparent role in the loss of virginity among adolescents, according to a study completed by Adolescent Medicine researchers at the Indiana University School of Medicine.

The report was published in the April 2002 issue of *Pediatrics*.

Self-esteem had opposite effects on young girls and young boys. Young girls with high self-esteem were less likely to engage in early sexual activity, while young boys with high self-esteem were more likely to report being sexually active.

“This is the first study of its kind of young adolescents to demonstrate that self-esteem differences among young males and females are associated with subsequent initiation of sexual intercourse,” said study co-author Gregory D. Zimet, Ph.D., professor of pediatrics and clinical psychology. “The study also showed that the level of self-esteem did not change in males or females following the loss of virginity.”

Researchers followed 188 adolescents from seventh to ninth grades at two Indianapolis-area schools for the data. Students completed a questionnaire and were administered a standardized test measuring self-esteem at the beginning of seventh grade. A second questionnaire was completed by the students at the beginning of their ninth-grade year. In the seventh grade, all 188 students included in the study reported no history of sexual activity.

Results indicated that boys with high self-esteem were 2.4 times more likely to initiate intercourse than their peers with low self-esteem. High self-esteem had the opposite influence on girls, who reportedly were three times more likely to remain virgins than girls with low self-esteem. Fifty percent of the boys with high self-esteem in seventh grade had sex by ninth grade, compared to only 29 percent of the boys with low self-esteem. Conversely, 40 percent of the girls with low self-esteem in seventh grade had sex by ninth grade compared to only 18 percent of the girls with high self-esteem.

“Gender differences may reflect a socially based double standard for sexual activity,” said Dr. Zimet. “Early sexual activity for boys apparently is not considered as socially unacceptable as it is for girls.”

The researchers said that since early initiation of coitus among girls is associated with greater susceptibility to human papillomavirus infection and other sexually transmitted infection, they determined that more prevention programs aimed at delaying the age of first intercourse are essential.

The lead author was Jennifer M. Spencer, Ph.D., who completed a pre-doctoral traineeship in Adolescent Medicine and is currently program director at Hamilton Center in Spencer, Ind.

The research was supported, in part, by grants from the National Institutes of Health and the Maternal and Child Health Bureau.

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April 26, 2002

272 Students To Receive IU Medical Degrees On Mother's Day

INDIANAPOLIS - Shannon Hawkins was a doctor before she was a physician.

In the parlance of some medical students, Hawkins was on the "eight-year plan" when she began her studies at the Indiana University School of Medicine in 1994, meaning she had her sights set on obtaining doctorates that would allow her to pursue research as well as practice medicine. In March 2001, the Bicknell, Ind., native earned her Ph.D in biochemistry and molecular biology.

On Sunday, May 12 - Mother's Day - Hawkins will be among the 272 IU School of Medicine students who receive their medical degrees at the RCA Dome. They will join in the processional along with all Indiana University-Purdue University Indianapolis graduates at 2:30 p.m., with commencement beginning at 3 p.m.

Immediately following that ceremony and with their families and friends looking on, the Class of 2002 will gather to take the Physician oath, a time-honored tradition in which new physicians pledge to use their knowledge and act compassionately on behalf of their patients.

There will be little respite for most of the newly graduated physicians as they prepare for further training and internships. Last March, members of the Class of 2002 were matched to residency programs in Indiana and 34 other states, which they will begin in May and throughout the summer.

For Shannon Hawkins, that will mean she and her husband, Britt Hutchinson, will pack their bags and head for Baylor College of Medicine, Houston, Texas, where she begins a residency in obstetrics and gynecology.

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April 23, 2002

IU School of Medicine Awarded NIH Kidney Research Center

INDIANAPOLIS - The Indiana University School of Medicine Division of Nephrology has received a \$5 million, George M. O'Brien Kidney Research Center grant from the National Institutes of Health, one of only seven such centers in the nation.

O'Brien Centers represent an integrated program of kidney-related research. The goal of the funding is to increase collaboration among groups of investigators at institutions with established comprehensive kidney research programs and to attract scientists from various disciplines to study the basic mechanisms of kidney diseases.

"The O'Brien Center grant recognizes Indiana University's excellence in the field of kidney disease research," said Bruce A. Molitoris, M.D., professor of medicine and principal investigator of the grant. "Our research is primarily dedicated to understanding the cellular mechanisms of acute renal failure and finding new approaches to therapy."

Seventeen faculty members, from five different IU departments, are involved with the grant. In addition to Dr. Molitoris, program and pilot project leaders are Simon J. Atkinson, Ph.D., associate professor of medicine; Pierre Dagher, MD, assistant professor of medicine; Kenneth W. Dunn, Ph.D., associate professor of medicine; Robert A. Harris, Ph.D., distinguished professor, Showalter Professor of Biochemistry and chairman of biochemistry and molecular biology; James Marrs, Ph.D., associate professor of medicine; and Sudhanshu Raikwar, Ph.D., assistant scientist in urology.

Preliminary data and many of the scientific approaches utilized in the grant were developed at the Indiana Center for Biological Microscopy's unique imaging facility. This state-of-the-art facility, directed by Dr. Dunn, features confocal epifluorescence, spinning disc confocal and multiphoton microscopes.

These microscopes, in combination with computer software developed within the Division of Nephrology, produce high-resolution, three-dimensional images of cells, tissues and organs in living animals and other tissue, allowing for advanced analysis of biological processes in normal and disease states. Investigators can study ongoing cellular processes related to kidney function by looking into a living kidney at the sub-cellular level.

The O'Brien Center grant will allow IU investigators help researchers at other institutions expand the understanding of kidney disease by assisting them with the use of the state-of-the-art microscopy equipment and imaging software developed at IU.

The Center grant highlights the importance of the Indiana Genomics Initiative (INGEN) in advancing IU's research and ability to attract other grants. Funds from INGEN were used to purchase a second multiphoton microscope for the Indiana Center for Biological Microscopy. The INGEN initiative was funded by a \$105 million



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grant from the Lilly Endowment, Inc.

The O'Brien Center is only one aspect of IU's contribution to kidney disease research, Dr. Molitoris said. Research will continue into polycystic kidney disease, metabolic bone disease, hypertension, diabetic nephropathy and novel imaging and computer enhancement techniques.

"The ultimate goal of all O'Brien Center research, of course, is to find new and better ways to treat or prevent kidney diseases," said Dr. Molitoris. Acute renal failure occurs in up to 5 percent of all hospitalized adult patients, but is more common in patients with cardiac, liver and infectious diseases.

O'Brien Center funds will allow investigators at IU to continue to advance the basic science understanding of this disease and assist with the translation of information into new therapeutic approaches to acute renal failure.

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Find more information at the [IU Center for Biological Microscopy Web site](#). Additional information on the Indiana Genomics Initiative can be found at the [INGEN Web site](#).

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April 19, 2002



IU School of Medicine Seeks Patients For New Method of Treatment for Gastro Esophageal Reflux Disease (GERD).

INDIANAPOLIS -- The Indiana University School of Medicine Division of Gastroenterology is seeking participants for a research study for a new method of treating for Gastro Esophageal Reflux Disease (GERD).

The purpose of this study is to evaluate the safety and effectiveness of an investigational device to treat GERD.

To qualify for the study, participants must be 18 years of age or older, have experienced persistent or frequent heartburn, epigastric pain and difficulty swallowing. All qualified participants will receive study-related health assessments and should be willing to participate in the year-long research study.

For more information about this trial, call 317-278-3684. Information about other clinical trials at the IU School of Medicine can be found at <http://clinicaltrials.iupui.edu>.

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Please answer the phone! A simple phone call may help you quit smoking. A computer system under development by Anna McDaniel, D.N.S. of the Indiana University School of Nursing and the IU School of Medicine National Center of Excellence in Women's Health, will contact patients via automated phone calls to assess their smoking status. The information gathered, such as how long the patient has been smoking and if he or she has considered quitting, will be incorporated into the patient's electronic medical record. The computer system will print messages on the patients' charts to remind physicians to discuss the hazards of tobacco use and encourage the patient to quit smoking

Will eating chocolate cause acne? Not in teens, says Jeffrey B. Travers, M.D., Ph.D., chairman and professor of dermatology at the Indiana University School of Medicine. "Though oils are thought to be essential in the pathogenesis of common acne (acne vulgaris), there is no direct evidence linking chocolate to acne." But he warns, the "vasoactive" substances found in chocolate can affect blood vessels, which can aggravate adult type acne (acne rosacea).

Hold the ice. Applying ice or submerging a common household burn in cold water is the wrong thing to do, says Rajiv Sood, M.D., associate professor of surgery at the Indiana University School of Medicine and director of the Indiana University Burn Center. It's better to use room temperature water on burns because ice cold water can reduce blood flow to the burned areas which can worsen the depth of the injury.

There are 5 million children who play in youth softball and baseball leagues every summer. Reports indicate that 5 percent of those youth are hit in the face with a ball or bat each year. "Baseball and softball are the primary causes of severe sports-related eye injury in Indiana and in most other states," said Ronald Danis, M.D., professor of ophthalmology at Indiana University School of Medicine and past president of the United States Eye Injury Registry. Dr. Danis sees these injuries as a serious and a preventable problem with an easy and inexpensive answer. For about \$10, players can be equipped with a face guard on their batting helmets. It is estimated a face guard may prevent between 25 percent and 47 percent of potential facial injuries when a player is struck by a bat or ball.

A healthy person now can survive burns over 90 percent of their body thanks to advances in skin grafts, including donated and laboratory generated skin, according to Rajiv Sood, M.D., associate professor of surgery at the Indiana University School of Medicine and director of the Indiana University Burn Center. Males do better with facial burns than women because of the regenerative ability of hair follicles of the beard and mustache. Pneumonia continues to be the most common cause of death in severely burned patients.

There is no such thing as a healthy tan, says Jeffery B. Travers, M.D., Ph.D., chairman and professor of dermatology at the Indiana University School of Medicine. A tan is the body's response to skin damage by the sun or artificial ultraviolet light. Although sunlight is essential for life on this planet, and we all need a bit of sunlight for vitamin D production, exposure to the sun has been directly linked to skin cancers. In addition, excessive sunlight will cause increased "photo-aging," including wrinkles and pigmented spots and can make some types of skin rashes worse.

Whether from a wild pitch, a mistargeted lacrosse stick or an overly enthusiastic tackle, head injuries occur in sports. "The problem with concussions is that there is no way to accurately grade the depth of damage," says Douglas McKeag, M.D., chairman of the Indiana University Department of Family Medicine and director of the IU Center for Sports Medicine at the National Institute for Fitness and Sport. Current guidelines focus more on using consciousness as a means of determining an athlete's condition, but research conducted by Dr. McKeag shows that multiple minor incidents of head injuries can be more damaging. Mild traumatic brain injury can be diagnosed through a series of simple tests and is a better way to measure long-term damage, he says, noting that the "central nervous system does not fully mature until a person is in their third decade of life."

There's more to count than just fat grams and cholesterol when watching your diet, says Stacey Faryna, R.D., research dietitian for the Indiana University Center for Weight Management. Research indicates that trans fatty acids or TFAs, like saturated fats, increase the risk of cardiovascular disease. TFAs are found in stick margarines, shortenings, baked goods, crackers and fried foods. Food labels do not list the amount of TFAs, but there is a consumer health group campaign under way to make their inclusion a requirement.

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April 16, 2002

IU Emeritus Pathologist Edits World Health Organization Cancer Book

INDIANAPOLIS - Lawrence M. Roth, M.D., professor emeritus of pathology and laboratory medicine at the Indiana University School of Medicine, has been selected as one of two technical editors for an authoritative reference book on female breast and reproductive cancers.

The book, *Pathology and Genetics of Tumours of the Breast and Female Genital Organs*, will be available as a concise textbook prepared by a panel of experts and published quickly for pathologists and physicians worldwide. The book is scheduled to go to press in October.

Dr. Roth is an internationally recognized expert on the pathology of tumors of the female genital system. He has edited two books and more than 100 professional articles on the topic. Another pathologist from the United Kingdom has been selected as the technical editor for the breast cancer portions of the reference book.

Dr. Roth will spend about five months in Lyon, France, working for the International Agency for Research on Cancer, part of the World Health Organization.

IARC's mission is to coordinate and conduct research on the causes of human cancer, the mechanisms of cancer and to develop scientific strategies for cancer control. The agency is involved in both epidemiological and laboratory research and disseminates scientific information through publications, meetings, courses and fellowships.

In addition to selecting photographs and illustrations, editing text and chapter introductions, Dr. Roth has contributed to the chapter on tumors of uncertain origin and miscellaneous neoplasms of the ovary.

"This undertaking is quite a challenge, but it also is an honor," said Dr. Roth. Dr. Roth served as director of surgical pathology at Indiana University Hospital for 30 years, retiring in 2001. He still conducts clinical research, teaches, conducts conferences and gives lectures in the IU Department of Pathology.

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April 15, 2002

Loehrer To Lead Cancer Program At IU

INDIANAPOLIS - Patrick J. Loehrer Sr., M.D., has been named director of the hematology/oncology program at the Indiana University Cancer Center. He will oversee the clinical and basic cancer research activities at the IU Medical Center.

Dr. Loehrer, a professor of medicine at the IU School of Medicine, specializes in the treatment of gastrointestinal and genitourinary malignancies, thymoma and a variety of other cancers. His research led to the use of infosfamide as a recognized therapy for the treatment of testicular cancer.

He is the director of the IU Cancer Center's Interdisciplinary Gastrointestinal Oncology Program. In 1985, Dr. Loehrer co-founded the Hoosier Oncology Group, a statewide network of cancer physicians and nurses that conducts clinical trials and research, and he currently serves as the chairman of the group.

Dr. Loehrer serves on the American Board of Internal Medicine. He is a past member of the board of directors of the American Society of Clinical Oncology, the Eastern Cooperative Oncology Group and the Indiana Division of the American Cancer Society.

Dr. Loehrer has been on the IU faculty since 1983. He has published more than 200 articles and book chapters and is editor of the *Yearbook of Medicine and the Yearbook of Oncology*.

He and his wife Deborah Loehrer have three children, Patrick, Andrew and Elizabeth.

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April 11, 2002

Nation's Only National Healthcare Outreach Mapping Center Established

INDIANAPOLIS -- The Indiana University School of Medicine and The Polis Center at Indiana University-Purdue University Indianapolis have been named by the National Library of Medicine to develop the nation's only National Outreach Mapping Center.

The new center, which is housed on the IUPUI campus at the medical school's Ruth Lilly Medical Library, will seek to identify and track the special outreach efforts being made by all types of libraries nationwide on behalf of healthcare professionals and consumers. Examples of these outreach efforts include, teaching consumers to "quality filter" the web, supplying information access tools to rural health care providers or working with local community groups to establish health information centers.

The center is being established through a five-year contract with the National Library of Medicine, a part of the National Institutes of Health. The IU School of Medicine is an international leader in medical informatics and health care outcomes research.

The Polis Center, a multidisciplinary urban analysis organization, is known for its application of geographic information systems technology. Known as GIS, this technology, a tool useful in data collection, storage, mapping, display and analyses, links electronic maps to databases. GIS makes data accessible and facilitates the analysis and comparison of multiple data sets by specific geography.

"We plan to integrate data from various libraries and map it in ways that make it easily understandable because it relates to the places where people live," said David Bodenhamer, Ph.D., director of The Polis Center and professor of history in the School of Liberal Arts at IUPUI. The project will merge IU's medical and geographic informatics strengths to develop a unique center.

"The original mission of the National Library of Medicine was to provide rapid access to health care information to providers of medical care to enable them to improve the quality of that care. Now that focus is being expanded to health care consumers," says Julie McGowan, Ph.D., the newly named director of the mapping center.

McGowan, who is associate dean for information resources and education technology, also is director of library and information resources, professor of knowledge informatics, and professor of pediatrics at the IU School of Medicine. She also is a Regenstrief Institute for Health Care affiliated scientist.

Initially, the large database that will be developed by the new mapping center will identify and track a quarter century of NLM outreach efforts. Eventually it will assist researchers to accurately target health outreach activities because they will be able to pinpoint exactly where the information is needed, according to McGowan.

In addition to providing information services for the students and faculty of the IU



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Schools of Medicine and Nursing, the Ruth Lilly Medical Library serves practicing health professionals throughout Indiana and is a designated resource library in the National Network of Libraries of Medicine. The Polis Center is the leader of the North American team of the Electronic Cultural Atlas Initiative, an international effort to create a worldwide database that combines global mapping, texts and images.

On the Web

Ruth Lilly Medical Library-IU School of Medicine

<http://www.medlib.iupui.edu/>

The Polis Center

<http://www.polis.iupui.edu/polis/home.htm>

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April 12, 2002



IU School of Medicine Seeks Patients For Panic Disorder Study

INDIANAPOLIS -- The Indiana University School of Medicine Anxiety Disorder Center at Indiana University Hospital is seeking participants for a panic disorder study.

The purpose of this study is to evaluate the safety and effectiveness of an investigational medication in treating individuals with panic disorder.

To qualify for the study, participants must be 18 years of age and older, have experienced multiple panic attacks over a period of four weeks, and be able to swallow capsules. All qualified participants will receive study-related health assessments and should be willing to attend at least 10 office visits over a period of up to 14 weeks.

For more information about this trial, call 317-278-0038. Information about other clinical trials at the IU School of Medicine can be found at <http://clinicaltrials.iupui.edu>.

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April 2, 2002

Oncology Symposium To Honor Dr. Larry Einhorn

INDIANAPOLIS - The Indiana University School of Medicine is hosting Advances in Oncology 2002: A Symposium in Honor of Lawrence H. Einhorn, MD, in recognition of Dr. Einhorn's election to the National Academy of Sciences.

Dr. Einhorn, a distinguished professor and professor of medicine at IU, is an internationally recognized authority on urologic and lung cancers, as well as certain other tumors. He most frequently is lauded for his development in 1974 of a chemotherapy regimen for testicular cancer that revolutionized the results of therapy and dramatically improved the cure rate of what previously had been a rapidly fatal disease.

The symposium will be from 8 a.m. to 4 p.m., Saturday, April 20, in the University Place Conference Center and Hotel on the Indiana University-Purdue University Indianapolis campus.

IUSM faculty members and former faculty will be presenters. Topics will include new diagnosis and treatment options for leukemia, urological, ovarian, breast and lung cancers; how and where targeted therapy may be effective in cancer treatment; the multidisciplinary approach in treatment and management of testicular cancer; and recognizing the symptoms of depression in cancer patients.

Election to membership in the NAS recognizes distinguished and continued achievement in original research. Dr. Einhorn, who received the honor in 2001, is the only current School of Medicine faculty member to hold NAS membership.

For additional information or to register, contact the IU School of Medicine Division of Continuing Medical Education at 317-274-8353.

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April 1, 2002

Medical Students Make Appointment For 'House Calls'

INDIANAPOLIS - Indiana University School of Medicine students will soon visit some inner-city residents - not to dispense medicine or take blood pressures, but to deliver a healthy dose of assistance by sprucing up residents' homes.

Students are prepping for Spring House Calls, Saturday, April 13, a day-long activity that teams students with homeowners in the Haughville and Blackburn areas who have requested assistance to help clean up their yards and properties. It's all in a day's work as student teams fan out with yard tools, lawnmowers and weed trimmers to their assigned homes. They also will plant flowers and provide minor exterior property maintenance.

Spring House Calls is an annual program of the medical school's Office of Medical Service-Learning. Since 1996, nearly 500 students have volunteered about 5,000 hours of service to the near-westside community bordering the IU Medical Center.

"I've lived in Indianapolis all my life and have driven through Haughville hundreds of times," notes Brooke Bender, a second-year medical student who was involved in last year's Spring House Calls. "I now drive through the neighborhood and feel a sense of connection and community because I know people there and feel I've built a small bond with them."

Bender is helping coordinate this year's program with fellow students Jason Sorg, Sachin Mehta, Jennifer Havener and Erin Zusan. Up to 100 students are expected to participate.

The workday apparently restores more than property. As one Haughville community leader put it last year while observing a team at work, "Most of the people in this neighborhood, particularly the older folks, take a lot of pride in their homes, but because of their age, income and health, they just aren't always able to make repairs and keep their properties in the shape they would like. What the medical students are doing is invaluable - they're helping give back that pride to my neighbors."

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March 28, 2002

IU Medical Faculty Play Prominent Role in Patient Safety Conference

INDIANAPOLIS - Human participation in research has surged in recent years as scientists seek causes and cures of myriad diseases. Accompanying the increase too has been greater public concern for patient safety and scrutiny of complex ethical, legal and regulatory issues.

Such issues will be tackled April 24-26 by Indiana University School of Medicine physicians and researchers and other prominent scientists at a national forum at the University Place Conference Center on the Indiana University-Purdue University Indianapolis campus. Accountability in Clinical Research: Balancing Risk and Benefit, sponsored by the National Patient Safety Foundation, will examine the management, conduct, funding and accountability of research involving human subjects.

Sharon M. Moe, M.D., IU School of Medicine's assistant dean for research support, will lead talks in a session about the role of oversight in assuring patient safety in clinical research. Eric M. Meslin, Ph.D., director of the IU Center for Bioethics, takes the lead in discussing the quality and content of information supplied to research patients about their roles and risks.

Media interest in biomedical research also has sharply increased, often focusing on controversial incidents involving health outcomes of patients. David W. Crabb, M.D., chairman of the School's Department of Medicine, and members of Indianapolis' news media will discuss and analyze real and hypothetical situations and responses to media coverage.

"This conference opens the door to continued dialogue about patient safety issues in clinical research settings," says Carol A. Ley, M.D., Ph.D., chair of NPSF's board of directors. "The insight and experiences shared at this conference will be invaluable to health-care professionals, researchers, consumers and government entities - all essential in moving patient safety messages to a new level."

Today's health care consumers, payers, providers and professionals recognize the significant impact that errors and patient harm have on patients, family members and staff safety. These and related issues will be probed April 22-24, at the NPSF Annenberg IV Conference, *Patient Safety: Let's Get Practical*.

On The Web

NPSF Clinical Research Conference

www.researchsafety.org

NPSF Annenberg IV Conference

www.mederrors.org



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March 27, 2002

Riley Hospital Seeks Youths For Developmental Disorders Drug Study

INDIANAPOLIS - The Indiana University Department of Psychiatry is seeking children and adolescents with pervasive developmental disorders for a study to test the effectiveness of a stimulant medication commonly used to treat Attention Deficit Hyperactivity Disorder.

The goal of the study is to evaluate the effectiveness of methylphenidate in youths with PDD. Children who fail to show a positive response to this drug will be invited to participate in a second phase of the study for the non-stimulant medication, guanfacine. Few studies have concentrated on the effectiveness of the two classes of medication on children and adolescents with PDD.

Study participants will be enrolled from five weeks to 13 weeks and will be asked to make weekly clinic visits to Riley Hospital for Children. All clinic visits, evaluations and medication will be free of charge. Participants will be compensated for their time and travel expenses. Enrollment in this study will continue through December 2002.

For additional information, contact Deborah Kem at 317-274-1221.

If you would like to receive news releases from the Indiana University School of Medicine via e-mail, please send a message to iusm@indiana.edu requesting this service.

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March 22, 2002

IU Med Students Meet Their 'Matches' for Residencies

INDIANAPOLIS - Four years ago, they began their quest, a long trek of labs, lectures, study and clinical rotations. The journey now continues for 271 Indiana University School of Medicine students who have been accepted into medical residencies across the nation.

This year's graduates did well in National Match Day, March 21, a program that coordinates thousands of medical students' and U.S. hospital programs' preferences. During their senior year, students apply and interview for residency positions across the country; their selection is administered through the National Resident Matching Program (NRMP) of Association of American Medical Colleges.

The program, held each year the third week of March, is the primary route by which most students enter their residency training under the tutelage of well-seasoned physicians.

"As is always the case, a few students did not initially match with their preferred programs" notes Dennis Deal, director of Academic Records-Medical Student Academic Affairs. " But, in the past few days, almost all of those students have secured first-year residency positions."

Students in Class of 2002, who will receive their medical degrees May 12, accepted positions in 35 states, including Indiana.

Among the IU School of Medicine Match Day 2002 highlights:

- 45 percent of the students will pursue their first year of residency within Indiana.
- 72 students will be residents at IU Hospital, Riley Hospital for Children and other Clarian Health facilities.
- 43 percent of IUSM graduates will enter primary-care residency programs, which includes internal medicine, family medicine, pediatrics, obstetrics/ gynecology, primary and combined internal medicine-pediatrics.

Additional information about Match Day 2002 and the National Resident Matching Program can be found at www.nrmp.org.

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March 21, 2002

IU Medical Students Collect Books for Afghan Med Schools

INDIANAPOLIS - Indiana University School of Medicine students are bridging battlefields and cultures to restock libraries and assist medical students in Afghanistan.

The students are collecting basic science texts, reference books and educational posters from their fellow students, IU medical faculty and staff, and other local sources. The material, along with related donations and contributions, will be distributed to pre-med and medical students at Faizabad University and Albiruni University in northeastern Afghanistan. The latter institution was destroyed by the now-deposed Taliban regime.

"An enthusiastic group of students have stepped up to this cause and are reaching out to their fellow students in Afghanistan," says Helen Kuo, a second-year student who is helping coordinate the drive. "We want to help Afghanistan's struggling health-care system - and from our perspective that begins through the education of future physicians in that country."

Students at IU School of Medicines other campuses in Evansville, Gary, South Bend, Muncie, Terre Haute, West Lafayette, Bloomington and Fort Wayne are joining the effort by coordinating similar drives.

The Indianapolis students, with the help of Ahmed Athar, first-year medical student and a member of the Muslim Students Association at the Indiana University-Purdue University Indianapolis, are working with Islamic leaders and others in their community.

"It is inspiring to see how many people have come together to help those in need," says Athar. "To me, our efforts ascend the barriers of culture and religion by appealing to the basic concept of sharing amongst fellow humans."

IU School of Medicine students also are seeking donations from local bookstores and national medical publishing companies. Monetary donations also are being accepted to help defray the costs of shipping, which Kuo says will occur in mid-to-late April.

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March 18, 2002

Riley Physician Receives National Recognition

INDIANAPOLIS - Joseph F. Fitzgerald, M.D., professor of medicine at the Indiana University School of Medicine, is the recipient of the 2002 American Society for Gastrointestinal Endoscopy Master Endoscopist Award. He is the first pediatric gastroenterologist in the nation to receive the award.

Dr. Fitzgerald is the founding director of the Section of Pediatric Gastroenterology and Nutrition at the James Whitcomb Riley Hospital for Children.

The Master Endoscopist Award recognizes individuals for excellence in the practice of gastrointestinal endoscopy. These awards are given to clinicians who spend the majority of their time in patient care and who are recognized regionally or nationally for their expertise and contributions to the practice of gastrointestinal endoscopy.

Dr. Fitzgerald also serves as chairman of the Endoscopy Committee for the Children's Digestive Health and Nutrition Foundation.

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March 7, 2002

IU Medical Faculty Cited as "Health Care Heroes" by Magazine

INDIANAPOLIS - Four Indiana University School of Medicine faculty and staff members have been recognized for their medical and research contributions by the 2002 Health Care Heroes program, sponsored annually by the Indianapolis Business Journal.

Hal E. Broxmeyer, Ph.D., chairman of the Department of Microbiology and Immunology, received the award in the Advancements in Health Care category. Virginia A. Caine, M.D., associate professor in the Division of Infectious Disease, was the winning recipient in Physician category. Pediatricianccassistant dean of medical service-learning, was a finalist in the same category.

Dr. Broxmeyer, who also is the scientific director of the Walter Oncology Center, is an internationally known researcher and is credited for pioneering the use of stem cells from umbilical cord blood to be used in bone marrow transplantations. Under Dr. Broxmeyer's direction, the center and the IU School of Medicine has recruited many talented investigators and researchers. He also is the 2002 recipient of the Karl Landsteiner Memorial Award by the Ortho-Clinical Diagnostics for his work in cord cell transplantation.

Dr. Caine, who conducts clinical research of infectious diseases at the IU School of Medicine, is best known for her role as the director of the Marion County Health Department. In that capacity, she has been in the forefront on such issues as treatment programs for patients with HIV-AIDS, prevention of sexually transmitted diseases, prevention of firearm violence and tackling the problems of teen pregnancy, tobacco use and pediatric asthma.

Dr. Keener, associate chair of the school's Department of Pediatrics and professor of clinical pediatrics, has been responsible for originating or spearheading numerous community health initiatives. In 1980, she started Safe Sitter, Inc. in Indianapolis as a resource for child-care/parenting education, a program that has received international acclaim. Dr. Keener's most recent accomplishment was the publication of Caring for Kids, that is available free to parents and caregivers throughout Indiana.

Also, Lois Bucksot, R.N., a clinical specialist with the school's Division of Gastroenterology and Hepatology, was a finalist in the Non-Physician category. She is credited with helping IU School of Medicine faculty members Stuart Sherman, M.D., and Glen Lehman, M.D., to develop a specialized endoscopic procedure that diagnoses and treats disorders of pancreas, liver, bile ducts and gall bladder.

"The people and companies that toil day in and day out in health care frequently don't get the recognition for their life-saving and life-enhancing work" noted Chris Katterjohn, president and publisher of the Indianapolis Business Journal. "Our goal with Health Care Heroes was to try to correct that in Central Indiana."



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March 1, 2002

Medical Honorary Society Inducts New IU Members

INDIANAPOLIS - Forty-six Indiana University School of Medicine students will be inducted later this month into the Indiana Chapter of Alpha Omega Alpha, the nation's only medical honorary society.

The ceremony is scheduled Tuesday, March 26, at the Marten House and Conference Center in Indianapolis. Steven C. Beering, M.D., who served as dean of the IU School of Medicine from 1974 to 1983, is the keynote speaker. Dr. Beering later served as president of Purdue University, retiring in 2000.

The Alpha Omega Alpha Honorary Society recognizes and perpetuates excellence in the medical profession. The Indiana Chapter has about 1,800 members.

Students inducted from the Class of 2002, who will graduate this May: Sam Robert Bagchi, Catherine Elizabeth Beck, Paula J. Scales Bunde, Brian A. Chung, Kevin W. Condict, Jennifer A. Connolly, Susan Theobald Crook, Britton Rink Delaney, Michael S. Emery, Elizabeth Ferries-Rowe, Terri L. Fites, Megan L. Hartzell, Shannon Hawkins, Heather Hedstrom-Lara, Douglas L. Heintzelman, Laura Kristen Hollenbeck, Jonathan D. House, Catherine A. Kurowski, Teresa M. Lo, Jayne M. MacLaughlin, Emily C. MacNeill, Kevin W. McConnell, A. Robb McLean, Justin C. McMonigle, Eric J. Miller, Carrie E. Milligan, Andrew J. Offerle, Elizabeth J. Picologlou, Daniel A. Selo, Sean P. Sharma, Jonathan B. Shook, Craig E. Stewart, Chadwich E. Strain, Michelle L. Strong and Joshua M. Zimmerman.

Class of 2003 to be inducted: Melissa Bowker-Kinley, John M. Caridi, Jonathan R. Dillman, Andrew M. Dubois, Bryane C. Hainline, Michael L. Hancock, Stephen F. Kralick, Shannon P. McCanna, Timothy J. Roth, Colleen B. Tomcik and Charles W. Yates.

Honorary inductees with IU School of Medicine affiliations: (alumni) pediatrician Duane A. Hougendobler, M.D.; and orthopaedist John B. Meding, M.D.; (faculty) radiologist Stan Alexander, M.D.; internist Roland McGrath, M.D.; and (housestaff) pediatrician David A. Ingram Jr., M.D.; otolaryngologist Ted A. Meyer, M.D., Ph.D.; and surgeon Don Selzer, M.D.

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February 22, 2002

Pascuzzi Named Director of Neurology Association

INDIANAPOLIS -- Robert M. Pascuzzi, M.D., has been appointed to the board of directors of the American Board of Psychiatry and Neurology. His nomination was made by the American Board of Neurology and his term began in January.

Dr. Pascuzzi is professor and vice chairman of neurology at the Indiana University School of Medicine. He directs the IU neuromuscular programs, the clinical trials program for amyotrophic lateral sclerosis (Lou Gehrig disease), and is chief of neurological service at Wishard Memorial Hospital.

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February 22, 2002



Child Passenger Safety Takes Front Seat At Clinic

INDIANAPOLIS - Most Hoosier adults know that safety seats are the law and increasingly are using them to protect youngsters. But 90 percent of the seats are being used improperly and that puts youngsters at great risk, report experts at the Indiana University School of Medicine.

To help reduce that threat, the school's Automotive Safety Program for Children is sponsoring a child-seat safety clinic, 1 p.m. to 4 p.m., Thursday, Feb. 28, at the Lawrence Township Fire Department at the corner of 59th Street and Lee Road. Specialists will be on hand to demonstrate the proper use of the seats, to inspect the condition of those being used by motorists and to advise about seats that have been recalled by manufacturers.

"While the fatality and injury rate for accident victims has declined markedly the last two decades - thanks largely to the use of child and booster seats and seat-belt laws - we still have a long way to go to protect our children," notes program manager Justin Sims. "The car-seat inspect site is just another means to educate the public and further reduce roadway tragedies."

The Automotive Safety Program for Children was launched at IU School of Medicine two decades ago and offers its services statewide. Current programs include low-cost car-seat distributions, child safety seat fitting stations and clinics, Project SEAT (in coordination with local and state law enforcement agencies) and curricula guides for elementary students and teachers, and advocacy materials for parents and organizations.

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February 18, 2002

Riley Hospital Seeks Participants For Mood Disorder Study

INDIANAPOLIS - The Indiana University School of Medicine Department of Psychiatry is seeking children and adolescents for a study on the effectiveness of a medication to treat mood disorders.

The study, conducted at Riley Hospital for Children, will compare the effect of the new medication to placebo. Study participants must be between the ages of 6 and 17 years and must have a current episode of major depression, bipolar disorder or other mood disorders. Some symptoms may include sadness, mood swings, irritability, excessive crying, withdrawal or feelings of guilt.

Participants will receive free a complete evaluation for a mood disorder at no charge. Participants also will be compensated for travel expenses. For additional information, contact Allie Lund at 317-278-4887, or by e-mail at kidpsych@iupui.edu.

If you would like to receive news releases from the Indiana University School of Medicine via e-mail, please send a message to iusm@indiana.edu requesting this service.

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February 18, 2002



IU To Offer Graduate-Level Biotechnology Program

INDIANAPOLIS - The expansion of biotechnology and biomedical sciences dramatically has changed research, education and industry in Indiana, but it's a challenge the Indiana University School of Medicine is meeting head-on.

In August 2002, students will begin coursework in the Biotechnology Training Program at the medical school on the Indiana University-Purdue University Indianapolis campus. The program, which is the first of its kind in Indiana, offers a graduate certificate in biotechnology from the IU Graduate School.

"The rapidly changing frontier of biotechnology has created a need for highly trained research and medical specialists and we're responding to that need," says William F. Bosron, Ph.D., assistant dean for graduate studies at the IU School of Medicine. "Moreover, rapid advances in genomics and related disciplines have created new challenges for the existing biotechnology workforce to keep current."

The program is designed for the continuing education of research technicians in academic and industrial laboratories who have undergraduate degrees as well as new graduates seeking to enhance their skills in biotechnology.

"The program provides the latest instruction, hands-on laboratory courses and an interactive problem-based learning experience," says Dr. Bosron, professor of biochemistry and molecular biology. The IU School of Medicine's top research faculty will serve as program instructors.

The IU Biotechnology Training Program is part of the Indiana Genomics Initiative (INGEN), an IU-based biomedical endeavor launched more than a year ago through a \$105 million grant from the Lilly Endowment, Inc.

For more information about the Biotechnology Training Program, contact Judy White, Ph.D., at 317-274-7151.

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On The Web

IU Biotechnology Training Program

www.medicine.iu.edu/~gradschl/biotechTraining/index.html

Indiana Genomics Initiative

www.ingen.iu.edu

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February 18, 2002

IU Medical Students' Show Benefits Indianapolis' Homeless

INDIANAPOLIS - Indiana University School of Medicine students will temporarily break from their studies and clinical rotations and will step into the spotlight for a program that aids the city's homeless.

The curtain will rise on the 11th annual Evening of the Arts at 7:30 p.m., Friday, March 22, at the University Place Conference Center auditorium on the Indiana University-Purdue University Indianapolis campus. Faculty, residents and staff also perform.

Students' art works and photography also will be on display near the auditorium and sold in a silent auction.

Proceeds from the show and auction will benefit programs of the IU School of Medicine's Health and Homelessness Project. More than \$7,100 was raised from last year's event.

"The project was created in 1989 by the medical students to provide medical services to the Indianapolis homeless community," said Teresa Lo, a fourth-year medical student and coordinator of Evening of the Arts. "The project is student-directed under the supervision of a faculty advisor. Student and physician volunteers are assigned to one of six clinics and provide staffing on a rotating basis."

Tickets for "Evening of the Arts" are \$8 each and may be purchased at the door. The University Place Conference Center Auditorium is located at 850 West Michigan Street.

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February 13, 2002

IU School of Medicine has key role in Central Indiana Life Sciences Initiative

INDIANAPOLIS -- Indiana University School of Medicine is a recognized leader in biomedical research so it comes as no surprise it will be a key player in the Central Indiana Life Sciences Initiative, a venture unveiled by Hoosier business and education leaders Feb. 13.

The city of Indianapolis, the Central Indiana Corporate Partnership, the Indiana Health Industry Forum, Indiana University and Purdue University have combined forces and scientific strengths to develop the initiative, a non-profit enterprise. The ultimate goal is to increase the number of jobs, businesses and research opportunities in the life sciences industry in central Indiana, which will impact the state's economy and the health and well being of Hoosiers.

The partners expect to invest \$1.5 billion in central Indiana over the next five years to support construction projects, to retain and attract a highly skilled life sciences workforce, to develop successful collaborations, including a downtown research community, and to successfully market the area as a world-class health and life sciences hub.

IUSM Dean D. Craig Brater, M.D., said the initiative shows support for and will help promote the medical school and its research, education and clinical objectives, which include becoming one of the top 10 public medical schools in the United States within the next 10 years.

"The goals we have articulated in our strategic plan have been embraced by a much larger audience, namely the corporate leadership of central Indiana and the elected leadership of the city of Indianapolis," said Dean Brater.

A critical component of the Central Indiana Life Sciences Initiative is the Indiana Genomics Initiative, made possible with a \$105 million gift from Lilly Endowment, Inc. to Indiana University in 2000. INGEN researchers hope to unlock the mysteries of human DNA, taking the scientific research giant steps closer to diagnosing and treating human illnesses. In 2000, the Human Genome Project was completed, providing a basic map of human DNA but without more detailed information the genomic plan for mankind has little clinical significance. IUSM leaders estimate INGEN will result in the hiring of 74 new research faculty. The Life Sciences Initiative will add nearly 50 additional faculty researchers.

A February 2002 study from the Battelle Memorial Institute confirms that central Indiana has significant existing assets to be a national powerhouse in life sciences. The study also says the region must have a comprehensive and integrated strategy to ensure success. The Central Indiana Life Sciences Initiative is the framework for that strategy.



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Central Indiana's life sciences corridor forms a triangle stretching from Bloomington through Indianapolis to West Lafayette. Research and development areas already in existence in the corridor include food and nutrition, organic and agricultural chemicals, drugs and pharmaceuticals, medical devices and instruments, hospitals and laboratories, and research and testing.

"Indiana University will help the region lead the world in life sciences, not only through its strong research faculty and infrastructure, but also through technology transfer and venture capital," said IU President Myles Brand, Ph.D. "We are committed to positively impacting the state's economic development and increasing the quality of life for its residents."

The Battelle study states that the life sciences industry already is the state's largest private employer with more than 82,000 Indiana employees who receive wages 2.5 times higher than the average worker in central Indiana.

The state currently ranks second nationally in surgical appliances and sales, fifth in pharmaceutical sales and ninth in surgical and medical instrument sales and employees.

Existing assets enumerated by the Central Indiana Life Sciences Initiative leadership include:

- World-class companies, such as Lilly, Guidant, Dow AgroSciences, Clarian Health Partners, Hill-Rom, Anthem, Cook Group and Covance.
- Central Indiana's burgeoning "life sciences corridor," which stretches from Bloomington through Indianapolis to West Lafayette. The corridor includes the recent creation of IU's Indiana Genomics Initiative and Purdue's Discovery Park, now linked by a high-performance optical fiber network, known as I-Light.
- Infrastructure, including a new state-of-the-art airport terminal to be completed by 2006.
- Financial assets, including e.Lilly, IU Foundation venture capital, Purdue University's Trask Venture Fund, Lilly Endowment Inc. and the state's 21st Century Research and Technology Fund.

The initiative also will grow with other collaborative efforts, such as the Indiana Proteomics Consortium, a recently announced venture between Lilly, the IU Advanced Research Technology Institute and the Purdue Research Foundation, to create instruments and methods to measure proteomics, the study of proteins. The consortium will greatly assist pharmaceutical companies and others in creating better drugs.

The initiative's mission to expand the life sciences corridor in Central Indiana will be assisted with the more than \$1.5 billion that already has been invested and committed to the life sciences sector through 2005. Much of the foundation, including the Indiana Genomics Initiative and Purdue's \$100 million Discovery Park, is in place:

Projects delineated that will jump-start the initiative include:

- \$150 million in bricks-and-mortar projects at the Indiana University School of Medicine over the next four years, including a \$25 million Biomedical Research and Training Center, a \$30 million Stark Neurosciences Research Institute, a \$24 million Information Sciences Building, and Research 3, a \$75 million, 250,000-square-foot building focusing on cancer research. The Biomedical Research and Training Center will open by the end of this year and the Stark Neurosciences Research Institute will open in 2003. The other buildings are in the planning stages.
- \$1 billion from Eli Lilly and Company, including 7,500 new jobs and bricks-and-mortar projects, such as research facilities. In three years, Lilly has invested more than \$900 million and will exceed its \$1 billion commitment in 2002. Lilly's bricks-and-mortar investments include a \$100 million laboratory, currently under construction, for drug discovery activities.
- \$105 million from the Lilly Endowment to support the Indiana Genomics Initiative at Indiana University's School of Medicine.
- \$50 million to \$100 million in venture capital being raised for life sciences in the region by several partners, including the Indiana University Foundation.
- \$65 million Clarian Health Partners' Clinical Laboratory Services Building, housing clinical pathology services for Methodist, IU and Riley, will begin construction in 2003 and open in 2005.
- \$51 million, primarily from private sources, to construct the Birck Nanotechnology Center in Purdue's Discovery Park.
- \$34 million monorail constructed by Clarian Health Partners, which will connect Methodist, IU and Riley.
- \$26 million from the Lilly Endowment to support programming at Purdue's Discovery Park.
- \$20 million for the Advanced Research Technology Institute (ARTI), a private, not-for-profit agent for Indiana University, to build an incubator devoted to life sciences.
- \$15 million to build a life sciences research facility at Purdue.
- \$12 million invested in the Indiana Proteomics Consortium, a commercial venture between Eli Lilly and Co., ARTI and Purdue Research Foundation focusing on proteomics.
- \$7 million to build and operate a drug manufacturing facility at Purdue Research Park.

The Central Indiana Life Sciences Initiative is a non-profit entity that is part of the Central Indiana Corporate Partnership. CICP will head the initiative with staff support

provided by the Indianapolis mayor's office and IHIF. Initial funding of nearly \$1 million comes from CICP and the City of Indianapolis. The city's contribution of \$750,000 was negotiated through changes to an incentive settlement with Sallie Mae, which purchased the former Indianapolis-based USA Group.

The Initiative will immediately form four committees focused on commercialization and technology transfer, venture capital funding, workforce development and marketing.

For more information, go to www.cilsi.com.

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February 5, 2002

Honing the Tools to Identify Clues To Surviving Cancer

INDIANAPOLIS -- Why do some individuals survive cancer while others with the same cancer succumb to their disease? A key to survival is buried deep within the individual's biological makeup.

Researchers from the Indiana University School of Medicine and the Regenstrief Institute for Health Care are developing the tools that may bring scientists closer to identifying that key through a grant of \$7.4 million from the National Cancer Institute.

Drawing upon their long-established expertise in medical informatics, they will develop, organize and test secure databases with unidentifiable data which in the future will allow scientists to review, compare and contrast the pathology reports and the DNA and protein content of stored tissues from all Indianapolis hospitals. Building this 'machinery' and organizing the data is a challenging task that involves developing a natural language process, eliminating duplications, instituting standardization, and 'scrubbing' the data to eliminate person and place identifiers, according to Clement McDonald, M.D., the study's principal investigator and a internationally known medical informatics pioneer.

When the five-year project is completed, Dr. McDonald hopes to have a tool that will allow other researchers to compare DNA, proteins, and other biological factors to determine differences between the same tissue with and without cancer, those tissues with primary cancers and metastasis, and the differing effects of therapy. Dr. McDonald is distinguished professor and Regenstrief professor of health services research at the IU School of Medicine and director of the Regenstrief Institute for Health Care.

The new study will draw upon data from as many as 1.6 million pathology reports and six million tissue blocks from Indiana University Hospital, Riley Hospital for Children, Methodist Hospital (which together comprise Clarian Health), Community Hospitals, St. Francis Hospitals, St. Vincent Hospitals and Wishard Memorial Hospital - all in Indianapolis. These institutions, which currently participate in a unique city-wide emergency room care collaboration with the Regenstrief Institute, account for 95 percent of the city's hospitalizations and reported cancer cases.

This ability to access data from a whole population, which the IU and Regenstrief work will make possible, will provide future researchers with a unique opportunity to measure the importance of various factors in a large group exposed to the same or similar environmental factors.

"Long term cancer survivors have something in their biology that is different from those who don't survive. If we can provide the critical tools that will assist in determining what that is, we may enable scientists in the not too distant future to figure out how to alter the biology of the cancer patient, perhaps by activating or blocking a protein or its receptor, to save lives," said Dr. McDonald. "This work may



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ultimately lead to studies resulting in the discovery of drugs that activate proteins or block receptor sites for biologic pathways,” he notes. Dr McDonald also heads the medical informatics program of the Indiana Genomics Initiative at IU. The fundamental research goal of INGEN is to establish the relationships between human genotypes and the physical and biological characteristics of tissues and organ systems.

The new SPIN builds upon twenty-five years of experience with the internationally respected Regenstrief Medical Records System. RMRS is a database with over 300 million laboratory results, radiology and pathology reports, diagnostic studies, operative notes and discharge summaries. SPIN will also draw upon expertise gained from Indianapolis Network for Patient Care (INPC), a data repository which stores encounter records, and clinical laboratory data for use in care at emergency rooms citywide.

In his role as an investigator for the “Shared Pathology Informatics Network,” Dr. McDonald will head a consortium of institutions including the Indianapolis hospitals, the Indiana State Health Department, and the University of Pittsburgh. The University of Pittsburgh group, known for its expertise in pathology informatics, is led by Michael Becich, M.D., Ph.D.

Dr. McDonald also will work with other investigators from hospitals affiliated with Harvard University and with UCLA. Together, all these institutions will develop a mechanism to share their medical data, while strictly preserving patient confidentiality. This will give many researchers their first opportunity to conduct large-scale database searches on medical data, asking basic questions that cannot be answered with small numbers of patients. Having access to large medical data sets will give researchers the best opportunity to make new cancer discoveries.

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February 4, 2002

Volunteers Needed for Crohn's Disease Research Study

INDIANAPOLIS -- The Indiana University School of Medicine is currently participating in an international research study and is seeking individuals with Crohn's disease.

The program will evaluate whether the study medication maintains disease remission while the participant tapers off steroid therapy.

Crohn's is a serious inflammatory bowel disease that affects more women than men. Although not generally life threatening, it causes great physical pain and discomfort.

Treatment may include drugs, surgery, nutritional supplements or a combination of these approaches. Drug therapy may include corticosteroids for inflammation control. Although the corticosteroids are effective for active Crohn's disease, they can cause serious side effects, including an increased susceptibility to infection, osteoporosis and weight gain.

Qualified candidates must have recently experienced a disease remission. All study-related care is provided at no charge including doctor visits, physical examinations, laboratory services and study medication.

For more information, call 317-278-2766.

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February 1, 2002

Have A Heart? Learn To Take Better Care Of It At Health Fair

INDIANAPOLIS - February is the month for valentines and other matters of the heart. It's also National Heart Month, a time when women can give themselves the best valentine of all: better cardiovascular health.

That's why the Indiana University School of Medicine National Center of Excellence in Women's Health, the Office of Women's Health/Indiana State Department of Health, and Anthem Blue Cross and Blue Shield are teaming up with several local groups to promote cardiovascular health and wellness for women in central Indiana. They will do so at the A New Year, A New You health fair, 10 a.m. to 2 p.m., Thursday, Feb. 14, at the Indianapolis Artsgarden at Circle Center Mall in downtown Indianapolis. The fair will feature:

- Cardiovascular risk assessment using the Framingham Risk Calculator to combine family history, current health data (on-site cholesterol and blood pressure readings) to predict a cardiac event in the next 10 years - space is limited.
- Screenings for bone density, carbon monoxide, nicotine dependence, vision and diabetes.
- Register-to-win prizes including gift certificates from Galyan's, a weekend stay package at Embassy Suites, dinner-for-two from area restaurants, and a 10-month NIFS membership and more.

"Cardiovascular disease kills 500,000 women in the United States each year, nearly twice as many lives as claimed by all types of cancer," says Center of Excellence Co-director Ann Zerr, M.D., clinical associate professor medicine at IU School of Medicine. "Healthy lifestyles and choices reduce a woman's risk of this illness."

Joining the Center and Anthem as sponsors for the one-day event are Clarian Health Partners, Wyeth-Ayerst Pharmaceuticals, Simon Properties, Pfizer, and Indianapolis radio stations WZPL and WTPI.

Other participating vendors and community groups: James Whitcomb Riley Hospital for Children, Indiana University Stroke Center at Wishard Hospital, Weight Watchers, American Indian Center of Indiana, IU Cancer Center Nicotine Dependence Program, Domestic Violence Network of Greater Indianapolis, Achilles Podiatry, Indianapolis Marion County Public Library and the Indiana Optometrical Association

For more information about the health forum, contact Tina Darling at 317-630-2243.

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January 31, 2002

Ultrasound Tested As Prostate Cancer Therapy At IU

INDIANAPOLIS - Ultrasound technology, long known to expectant parents and used in the monitoring of fetal conditions, is making new waves at the Indiana University School of Medicine for its value in fighting prostate cancer.

A Phase I clinical trial at the IU School of Medicine investigates the efficiency and safety of using high intensity focused ultrasound (HIFU) for prostate cancer. The minimally invasive procedure combines the latest in 3-D technology to plot the location of cancerous cells and then fires ultra-focused sound waves to destroy them.

The IU School of Medicine one of two trial sites in the nation approved by the Food and Drug Administration late last year, the other being Case Western Reserve University in Cleveland, Ohio.

HIFU elevates tissue temperatures 70- to-90 degrees Centigrade (158-194 degrees Fahrenheit) in durations of up to four seconds, killing the cancer without damaging tissue surrounding the prostate, the small walnut-sized gland found at the base of the bladder.

"This minimally invasive surgical procedure is painless, bloodless and the energy from the ultrasound waves is non-ionizing and can be applied repeatedly," says Michael Koch, M.D., principal investigator of the trial and chairman of the school's Department of Urology. "We are enrolling 20 patients for this trial phase."

For more information about enrolling in HIFU trial, call 317-630-6044.

Among criteria for patients participating in the trial they must be between 40 and 80 years old, have confined prostate cancer, no bleeding disorder and a prostate specific antigen level of 10 or less. PSA is a biological marker used in the early detection of prostate cancer. Patients who have failed previous external radiation for prostate cancer are also potential candidates.

The HIFU outpatient procedure can usually be completed within three hours, and the patient can go home after the anesthetic wears off. For cancer that is confined to the prostate, surgery and radiation are the common treatment options. Complete removal of the prostate can cause incontinence and impotence. Radiation therapy can cause rectal and bladder damage, impotence and difficult urination.

About 189,000 males in the United States are diagnosed annually with some form of prostate cancer, second only to lung cancer as deadly disease among men, reports the American Cancer Society. Although men can get the disease at any age, it's more common among those over 50 years old. Prostate cancer is twice as common in African Americans as it is in white American males.

The one-year clinical trial is based on initial HIFU research conducted at Kitasato University in Japan by urologist Toyoaki Uchida, M.D. The ultrasound device used is Sonablate™.



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Related Web Sites

IU School of Medicine-Department of Urology
www.iupui.edu/~Eurology

Indiana University Clinical Trials Program
<http://medicine.iupui.edu/ctp/>

IU School of Medicine-News
www.medicine.indiana.edu

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January 30, 2002

IU, Wishard Use Technology To Touch Lives Of Latino Diabetic Patients



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INDIANAPOLIS - Imagine being a stranger in a strange land. You are ill and go to a clinic where the health care professionals don't speak your language and you don't speak theirs. It happens every day here and in cities, large and small, across Indiana and the nation.

The Hispanic population in Indiana has grown 117 percent to 214,000 in the years between the 1990 and 2000 census. In Marion County, the population has more than tripled in that same decade. Many Hispanics and some Hoosier health care professionals may be bilingual, but they also may lack the nuances of their second language to adequately communicate on complicated health care matters.

The Marion County Health and Hospital Corporation has developed an exceptional Wishard Hispanic Health Project, but the sheer numbers of Latino patients is overwhelming its capacity to provide bilingual services. In response to this challenge, the Wishard Hospital Community Health Centers, the WHHP and the Indiana University Diabetes Research and Training Center have combined forces to help bridge this gap.

The researchers from the Diabetes Research and Training Center have developed a computer-based project to help alleviate the problem. The Robert Wood Johnson Foundation has awarded the IU researchers nearly \$492,000 to develop, implement and evaluate an interactive computer program that can bridge the language barrier.

The touch-screen computer program will be able to translate basic health questions and answers from English to Spanish and vice versa. An audio track will be designed to help illiterate patients, who will be verbally guided to the correct symbol on the computer screen.

Charles M. Clark Jr., M.D., professor of medicine and pharmacology at the IU School of Medicine and director of the DRTC, said the project is ideal for diabetic patients. Hispanics have an increased incidence of diabetes and frequently suffer more from its complications because they are diagnosed later into the disease.

Dr. Clark, who is the principal investigator of the grant, and David G. Marrero, Ph.D., professor of medicine and co-principal investigator, will lead the project which will provide health care professional training and patient education programs for Spanish-speaking diabetics, as well as "serve" as an interpreter in a clinical setting beginning at the Westside Community Health Center under the direction of Robert Einterz, M.D., clinical associate professor of medicine and assistant dean of international programs.

In the clinic, the program will be designed to collect basic data used to formulate treatment plans. Patients will be asked about their social and medical history, social and medical risk factors, general medical history, diabetes history and reason for the medical visit. Patients' responses on the touch-screen monitor will be automatically translated into English and printed out for the health care worker. Those responses also automatically will be incorporated into the electronic medical record system for future reference.

The second touch screen application will be a diabetes education program that instructs the patient and records their responses to the computer prompts. Health care workers will then evaluate the patient's needs for additional education on diabetes.

Additionally, the grant provides training to health care staff at Hispanic/Latino clinics to enhance their knowledge of basic Spanish and Latino culture to assist them in communicating with and setting health care goals for their patients.

Data collected during the three-year study will be collected in the Regenstrief Medical Record System at the IU School of Medicine for analysis. Patient histories will be followed and evaluated to determine if computer program assisted in the care, treatment and outcome of diabetic patients.

Assisting with the project are Juan Jose Gagliardino, M.D., and personnel from the Center of Experimental and Applied Endocrinology, a research center created in 1977 by a joint agreement between the University of La Plata in Buenos Aires, Argentina, and the Argentine National Research Council, and the Bernardo A. Houssay Center, the Diabetes Education Training Center of CENEXA.

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January 30, 2002

Siblings Needed For IU Research Study Into Alcoholism

INDIANAPOLIS - The Indiana University School of Medicine Alcohol Research Lab is recruiting biological brothers or sisters for a research study measuring the siblings' responses to low doses of alcohol administered intravenously.

The siblings must be social drinkers in good health and between 21 years and 30 years of age. They also must have the same mother and father. Participants must have at least one close biological relative (father, or other brothers or sisters not in the study, but not the mother) who drink to excess.

In addition, the researchers are recruiting sibling pairs from families with no history of alcohol dependence in any biological relative as a control group for this study.

Participants will be compensated for completing the two-day session.

For additional information, contact the IU Alcohol Research Lab at 317-274-5759, or e-mail erptest@iupui.edu.

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January 30, 2002

Unsafe Bed Sharing, Sleeping Practices Linked To Infant Deaths

INDIANAPOLIS - Unsafe bed sharing and sleeping practices are needlessly resulting in the deaths of infants in Marion County and the numbers for 2002 are alarmingly high, officials say.

Marion County Coroner John McGoff, M.D., says infant deaths related to unsafe sleeping practices have reached "epidemic" proportions in the Indianapolis area.

"Most Hoosiers aren't aware of the fact we have an epidemic in Marion County. We've already had five preventable infant deaths in the first three weeks of this year due to co-sleeping or unsafe sleeping arrangements with family members," said Dr. McGoff. "At this rate, we'll have 83 infant deaths before the end of the year. This is simply intolerable."

The coroner's office and the Marion County Child Fatality Review Team want to draw attention to this potentially deadly problem and educate parents and infant caretakers to the dangers associated with unsafe sleeping practices.

"We're seeing a consistent and large number of infant deaths related to unsafe sleeping and bed-sharing practices," said Roberta Hibbard, M.D., medical director of the Marion County Fatality Review Team. Dr. Hibbard also serves as director of Child Protection Programs at Riley Hospital for Children and is a professor of pediatrics at the Indiana University School of Medicine.

The Marion County Child Fatality Review Team reviews all deaths of children under age 15 that occur in the county. The multi-disciplinary volunteer team is comprised of representatives from area law enforcement, public health, social services and hospitals.

In Marion County in 2001, there were 15 infant deaths due to suffocation while sleeping. Of those, 13 deaths were associated with unsafe sleeping conditions. Two of the 13 babies were suffocated when someone sleeping with them rolled on top of the infant.

From 1995 to 2000, 69 infants died in unsafe sleeping circumstances in Marion County. These circumstances include an infant who suffocated when his head became wedged between cushions of a couch; an infant that died when a 3-year-old sibling rolled on top of him in an adult bed; an infant who suffocated when his twin rolled on top of him; an infant who died sleeping on a pillow in his parent's bed; and a child who suffocated with his face in his crib pillow.

Deborah Givan, M.D., medical director of Riley Hospital for Children's Sleep Laboratory and a professor of pediatric pulmonology at the Indiana University School of Medicine, says that the sleeping position of an infant as well as where the child sleeps is critical to infant safety.

"Since the initiation of the American Academy of Pediatrics 'Back to Sleep' campaign, the incidence of Sudden Infant Death Syndrome has decreased by half in Indiana and



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the nation. Recognition of unsafe conditions and positions have played a major role," said Dr. Givan.

She also cautions that SIDS and sleeping disorders in infants and children can be exacerbated by tobacco smoke.

"No one should smoke anywhere a baby lives or where a baby is going to be," Dr. Givan said.

Dr. Givan, chairman of the Sudden Infant Death Syndrome Council Advisory Board of the Indiana State Department of Health, and Barbara Himes, SIDS and Infant Loss Support Coordinator for the Indiana Perinatal Network, said parents and child care providers should be aware that sleeping on the stomach, smoke, premature birth and over-heating while sleeping increase the risk for SIDS.

Dr. Givan said an outreach effort to the African American community is needed since the mortality rate of black infants from SIDS is twice that of the Caucasian population.

"No one wants to think or talk about babies dying, but health care professionals need to educate new and expectant parents, grandparents and child care providers on the importance of current recommendations and guidelines to safeguard sleeping infants," said Ms. Himes.

Conditions considered unsafe for infant sleeping include co-sleeping; soft bedding or stuffed animals in the crib; placing a baby on a waterbed or bean bag chair; infant sleeping bags made from non-porous materials; or placing the child on adult beds, couches, chairs or other non-firm surfaces.

Infants should sleep on their backs in a crib that is sturdy and well maintained. Pillows and bumper pads should be avoided and cribs should have tight-fitting mattresses and sheets.

Airway obstruction (suffocation, choking and strangulation) is the leading cause of injury related death for infants younger than age one nationwide, according to National SAFE KIDS.

In response to these recurring patterns of infant deaths, the Marion County Child Fatality Review Team has developed an educational brochure that informs families about the dangers of bed sharing with infants and young children and encourages families to plan sleeping arrangements carefully to avoid tragic outcomes. Single camera-ready copies of the brochure are available to organizations and to families from the Marion County Child Fatality Review Team by calling 317-274-2964, or by accessing www.rileyforkids.org.

The Indiana Perinatal Network is developing a safe sleeping brochure which can be downloaded at www.indianaperinatal.org/Images/safesleeping.pdf. The American Academy of Pediatrics has information available on their "Back to Sleep" campaign at www.aap.org.

Two Indiana groups are involved in providing safe cribs for infants: the SIDS Center of Indiana's Beds for Babies campaign, 1-887-507-SIDS, and the Indianapolis Child Protection Center at the IU Medical Center, 317-630-6307.

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January 30, 2002

Child Safety Advocates Sought For Awards Program

INDIANAPOLIS - Do you know a person or an organization in Indiana who goes above and beyond the call of duty to provide programs that prevent children's injuries and deaths? If so, they might be candidates for the 2002

Child Safety Advocate Awards sponsored by the Automotive Safety Program and Indian SAFE KIDS Coalition.

"These awards are presented to those who have a strong commitment to children's safety and actively promote safety issues and injury prevention in their communities or through their line of work," says Keisha Nickolson, coordinator of Indiana SAFE KIDS at the Indiana University School of Medicine.

Nomination categories include individual, government, business, SAFE KIDS local chapter or coalition, community agency, law enforcement, media, medical, and permanent fitting station.

The awards will be presented May 9 at the Garrison Conference Center, Fort Benjamin Harrison and coincides with the National SAFE KIDS Week. Nomination forms can be obtain by contacting Keisha Nickolson at 317-278-3218, or toll free at 888-832-3219. Nominations must be received by March 1, 2002.

The Indiana SAFE KIDS Coalition, housed at the Indiana University School of Medicine, is part of the National SAFE KIDS Campaign. The campaign is the first and only national organization dedicated solely to the prevention of unintentional childhood injuries, the number one killer of children ages 14 and under.

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January 25, 2002

Students Will Become DNA Detectives at IU School of Medicine

INDIANAPOLIS - Hoosier high school students will soon probe the world of DNA, the complex components that form the building blocks of human life, alongside some of the nation's top scientists at the Indiana University School of Medicine.

Forty-eight students will participate in the third **Molecular Medicine in Action program**, March 10-11, at the IU Cancer Research Institute. There they will work side-by-side in laboratory stations with researchers and physicians in one of the most modern cancer research centers in the country.

"This unique program focuses on genetic research so students will understand the roles genes play in disease and how scientists might develop ways to correct genetic flaws," says David A. Williams, M.D., Freida and Albrecht Kipp Professor of Pediatrics and professor of medical and molecular genetics.

"We show them how research can lead to the discovery and development of ways to correct genetic flaws that cause disease," adds Dr. Williams, who co-directs the program with Lilith Reeves, M.S., coordinator of Transitional Cores at the IU Medical Center.

Under the supervision of IU scientists, students will rotate through work stations and labs. They will learn how DNA is isolated and analyzed; how gene mutations are identified; how modified genes are used in therapy; and meet with patients with genetic-related diseases to learn how they deal with conditions.

"We put a human face on disease and science and this is an important component of the program," says Reeves. "This, in addition to the hands-on experience students experience in labs, increases their excitement for science and builds stronger ties between the IU School of Medicine and Indiana's students and teachers."

Supporting this year's Molecular Medicine in Action program are the Riley Memorial Association, Clarian Health Partners, Indiana University-Purdue University Indianapolis, Indiana Department of Education, Indiana Association of Biology Teachers and the Hoosier Association of Science Teachers.

Related Web Sites

Molecular Medicine in Action Program
www.iupui.edu/~wellsctr/MMIA

Herman B Wells Center for Pediatric Research
www.iupui.edu/%7Ewellsctr/

Indiana University School of Medicine-News
www.medicine.indiana.edu



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January 8, 2002

Travers to Lead IU Department of Dermatology

INDIANAPOLIS -- Jeffrey B. Travers, M.D., Ph.D., has been named chair of the Indiana University Department of Dermatology.

Named the Kampen-Norins Investigator in Dermatology at IU, Dr. Travers holds appointments in the departments of dermatology, pediatrics, pharmacology and toxicology, and served as the interim chair of the Department of Dermatology during the search for a new chairman. He has been on the IUSM faculty since 1995.

A native of Ohio, he attended the Ohio State University receiving a bachelor's degree in chemistry, a doctoral degree in pharmacology and his medical degree. Dr. Travers completed his internship in transitional medicine at Riverside Methodist Hospital, Columbus, Ohio; his residency in dermatology at the University of Colorado Health Sciences Center in Denver, and a fellowship at National Jewish Center for Immunology and Respiratory Medicine, also in Denver.

His primary research interest is in the mechanisms of skin inflammation, and he currently is the principal investigator on two National Institutes of Health grants, as well as co-investigator on three other NIH grants.

Dr. Travers is married to Joan Jernigan Travers, and they have three children Justine, 15, Jared, 13, and Jeffrey, 11.

He succeeds Evan Farmer, M.D., who resigned in May 2001 to accept the position as dean and provost at Eastern Virginia Medical School.

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Jan. 8, 2002

IU Docs Pair Off For Spring IU Mini Medical School

INDIANAPOLIS - These six couples have more in common than practicing medicine or conducting research: They're married and each individual will share their particular areas of expertise with the public at the upcoming series of Indiana University School of Medicine's Mini Medical School.

The six-week series of lectures, Feb. 12 through March 19, offers topics ranging from pediatric sleep disorders to the latest research of breast cancer. Each session begins at 7 p.m. with each couple member lecturing on their medical specialty.

You don't have to work in the health-care field to attend and appreciate the topics discussed at the Mini Medical School. One of the main goals of the school is to introduce and explain to the public - in everyday language - the latest issues and developments in health care and research.

At the completion of Mini Medical School, participants are given a certificate of achievement signed by the dean of the IU School of Medicine.

Moderators for the series are Stephen G. Lalka, M.D., professor of surgery, and Bette G. Maybury, M.D., clinical associate professor of neurology.

Speakers and topics for the spring session of Mini Medical School:

Feb. 12 *Pediatric Radiology* - Kimberly Applegate, M.D., M.S.
Forensic Psychiatry - George Parker, M.D.

Feb. 19 *Sleeping Disorders in Infants and Children* - Jennifer Wiebke, M.D.
Advances in General Surgery - Eric Wiebke, M.D.

Feb. 26 *The Eye: Window To Your Body* - Mimi Chung, M.D.
Hepatitis B and C -- Paul Kwo, M.D.

March 5 *Central Nervous System Infectious Diseases* - Karen Roos, M.D.
Neuromuscular Disorders - Robert Pascuzzi, M.D.

March 12 *By The Skin of Your Teeth* - Ginat Mirowski, M.D., D.M.D.
This Moldy House - Stephen Wintermeyer, M.D., M.P.H.

March 19 *Cell Growth Regulation and Why It Fails* - Linda Malkas, Ph.D.
DNA and Anti-Cancer Drugs - Robert Hickey, Ph.D.

Each session will be held at the Riley Outpatient Center at the intersection of West and Middle drives on the IU Medical Center campus. Cost for all six sessions is \$35, and includes parking. For registration information, call 317-278-7600.

The IU Medical Group and Indianapolis radio station WIBC sponsor Mini Medical School, which is offered by the Indiana University School of Medicine Faculty Community Relations Committee through the IUPUI Division of Continuing Studies.



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January 8, 2002

Catherine Peachey Breast Cancer Prevention Program
Preventing Breast Cancer Is Goal Of New Program At IU Cancer Center

INDIANAPOLIS - A new addition to the Indiana University Cancer Center's arsenal to fight breast cancer is the Catherine Peachey Breast Cancer Prevention Program.

The multi-disciplinary program is made possible by the Catherine Peachey Fund and is named in honor of a well-known Hoosier and cancer patient advocate who lost her battle with breast cancer in 1994 at the age of 43.

"Cathy would be proud that the fund she and her husband established in 1993 to finance breast cancer research is now funding a prevention program," said Connie Rufenbarger, a trustee of the Catherine Peachey Fund.

The program is the state's first comprehensive clinical program to assess breast cancer risk in women and will augment existing programs at the IU Cancer Center. Contemporary diagnostic tools and therapeutics will allow the program's team to tackle prevention of breast cancer and risk reduction rather than simply treating the disease once it is diagnosed.

The new program will serve as a resource for women who already have had breast cancer, their first-generation female relatives and others who may be at risk.

"The wonderful thing about this program is that it can ease the fears of women who think they may get breast cancer," said Anna Maria Storniolo, M.D., clinical professor of medicine at the IU School of Medicine and director of the Catherine Peachey Breast Cancer Prevention Program. "Not only will we be able to identify and follow those at risk, but we also will be able to identify those who are not at risk but fear they may be. Encouraging information can be just as life-altering for women as the news that a woman is at risk for breast cancer."

The multidisciplinary approach provided by the Catherine Peachey Breast Cancer Prevention Program provides one place for women to ask and resolve all of their questions about breast cancer risk and its management. They will have access to surgeons, radiologists, medical oncologists and genetic counselors.

The various factors affecting a woman's risk for breast cancer include: family history, age of menarche, age at first birth, age of menopause, benign breast disease, radiation, obesity, birth control pills, hormone replacement therapy and alcohol consumption.

Genetic assessment and testing is one of the tools of the program. After thorough counseling, patients found to be at-risk can be tested to determine if they carry the genes that pose an increased risk for developing breast cancer.

Researchers at the Peachey Program will continue to explore other avenues for risk assessment, hereditary risk, early detection and better outcomes from clinical treatments. IU researchers will continue to seek answers to the cause of breast cancer utilizing emerging methodologies in gene research and molecular biology.



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One of those tools is called ductal lavage, which provides a painless, outpatient way to access the milk ducts of the breast where most breast cancer starts. The fluid and cells that are removed by “flushing” these ducts can provide insight into the early steps of breast cancer formation, explained Dr. Storniolo.

Robert Goulet Jr., M.D., associate professor of surgery and medical director of the Ductal Lavage Program, performs this state-of-the-art procedure, recently approved by the U.S. Food and Drug Administration, at the IU Cancer Center. IU is the only health care facility in the state approved to perform this procedure.

Since 1994, the Catherine Peachey Fund has contributed nearly \$850,000 to stimulate breast cancer research at the IU School of Medicine.

“The Catherine Peachey Fund primarily has been a grassroots effort by women and men touched by breast cancer,” said Mrs. Rufenbarger. “The establishment of the Catherine Peachey Breast Cancer Prevention Program moves that effort to a new level, which would not have happened nearly as quickly without a generous donation of matching funds from Eli Lilly and Company.”

“Maintaining breast health is of utmost importance,” said Cathy Sampier, manager of patient advocacy for Lilly Oncology’s U.S. affiliate. We are pleased that our contribution to the Catherine Peachey Fund will ensure that Cathy’s efforts on behalf of breast cancer will continue to be honored and make a difference in people’s lives.”

For additional information or to make an appointment at the Catherine Peachey Breast Cancer Prevention Program, call 317-278-7576.

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January 8, 2002

Promising IU Lung Cancer Trial Enters New Phase

INDIANAPOLIS - The second phase of a lung cancer trial that has shown promising results is now under way at the Indiana University School of Medicine.

The procedure, extracranial stereotactic radioablation, uses three-dimensional imaging and high doses of radiation to more precisely target and kill cancer cells in the lung. It uses treatment concepts similar to those used in Gamma Knife radiosurgery, a non-invasive technique shown to be effective in treating brain tumors.

The procedure uses a 3-D computer generated grid system to more precisely map the location where therapy is directed. The patient is positioned in a specially fitted, lightweight body frame that limits mobility to ensure the precision of photon beams aimed at the tumor. "One advantage of the combined technology is that the risk of damaging healthy tissue despite such potent doses of radiation is reduced in comparison to conventional radiation."

"The results of the first phase were very encouraging and somewhat surprising," says Robert D. Timmerman, M.D., assistant professor of radiation oncology and the trial's principal investigator at the Indiana University Cancer Center. "We thought patients only would be able to tolerate lower doses since frail patients typically can't tolerate such rigorous treatment. To our surprise, we were able to increase dose levels without prohibitive toxicity."

This latest phase seeks to enroll 35 patients with early stage, non-small cell lung cancer whose tumors have not spread to lymph nodes or beyond and who have health conditions such as emphysema, severe heart disease, diabetes or a history of strokes, therefore making them poor candidates for surgery.

"Using a potent dose with assurance of reasonable safety to patients, we now want to measure the rate of controlling lung cancer and measure the patient's overall disease-free survival," Dr. Timmerman says.

Early stage lung cancer traditionally is treated with surgery, conventional radiation, or both. There is a 60 percent to 70 percent cure rate for early stage lung cancer in patients undergoing surgery, and a 20 percent to 30 percent cure rate for those treated with conventional radiation, which usually involves up to six weeks of daily radiation treatments.

In contrast, Phase 2 of this IU lung cancer trial delivers the entire treatment in three visits.

"We're optimistic this new therapy will bridge this large disparity giving patients a better chance of survival and a cure," notes Dr. Timmerman.

For possible enrollment or information about the trial, contact Laura Likes, RT, at the IU Cancer Center at 317-274-1189, or email her at llikes@iupui.edu.



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Related Web Sites

Indiana University Cancer Center

<http://iucc.iu.edu/>

Department of Radiation Oncology-IU School of Medicine

http://iucc.iu.edu/clinical_programs.php?subcat=radonc

A Patient's Perspective About The Trial

www.medicine.indiana.edu/iu_medicine/01_fall/simpleThings.html

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January 3, 2002

Indiana Alzheimer Disease Research Rewarded With \$7.7 million NIH Grant Renewal



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INDIANAPOLIS - After more than 10 years of exploring the science and treating patients with some of the most mystifying and debilitating brain diseases, the Indiana Alzheimer Disease Center will continue its work with a \$7.7 million National Institutes of Health core grant.

The funding was first awarded to the IU School of Medicine faculty in 1991 to establish a center focusing on dementing illnesses, including Alzheimer disease. The grant was renewed by the NIH in 1996 and again in 2001 for another 5 years.

NIH-funded Alzheimer disease centers are expected to provide resources to enhance ongoing research, bringing together biomedical, behavioral and clinical science investigators to study the etiology, pathogenesis, diagnosis, treatment and prevention of Alzheimer disease, as well as improve health-care delivery. There are 29 such centers in the United States.

The Indiana Alzheimer Disease Center was established with four major objectives in the areas of Alzheimer disease and related dementias: to foster clinical and neuropathologic studies; to develop educational programs; to support and further develop research; and to promote understanding of the diseases in the state of Indiana and neighboring areas.

“Much progress has been made in the fields of epidemiology, biochemistry and genetics of Alzheimer disease and other dementias since IU first received its core grant,” said Bernardino Ghetti, M.D., distinguished professor and director of the Indiana Alzheimer Disease Center. “We are on the cutting edge of discovery for diseases that each year affect thousands of people and their families.”

The center is comprised of four cores, which individually contribute to the larger efforts of the multidisciplinary team.

The Administrative Core provides staff and resources to support the team efforts.

The Clinical Core, led by Martin Farlow, M.D., professor of neurology, is responsible for the treatment and therapy of Alzheimer disease and dementia patients. It recruits, evaluates, diagnoses and characterizes groups of patients with Alzheimer disease and other dementias.

The Neuropathology Core, under the leadership of Dr. Ghetti, provides technical resources, laboratory facilities and expertise for the collection, diagnosis and storage of brain tissue obtained at autopsy from institutions around the country.

The Neuropathology Core provides pathologic data to families, referring physicians and basic researchers. This core includes a dementia laboratory, a laboratory for morphometric studies of degenerative diseases and a brain bank, which is a repository for pathology samples.

The National Cell Repository Core, led by P. Michael Conneally, Ph.D., distinguished

professor, has developed the only NIH-funded cell repository to provide the research community with cell samples and DNA from affected individuals. The repository is to facilitate research to expand the scientific understanding of the disease and ultimately to promote development of cures for dementias. The repository collects, maintains and distributes DNA and cell lines from affected families to qualified investigators. It presently contains DNA and/or cell lines from 3,500 people representing approximately 760 families with histories of Alzheimer disease and related dementias.

The Education Information and Transfer Core is an outreach program to support affected individuals. A comprehensive and expansive program has been developed to assist and educate health care providers, social workers, long-term care providers, the public and affected families. Leading this effort is Mary Austrom, Ph.D., associate professor of psychiatry.

The Indiana Alzheimer Disease Center has indeed left its mark in the rapid-paced research area.

During the past 10 years, the IU School of Medicine scientists who make up the center have significantly improved our understanding of Alzheimer disease and have been instrumental in the identification of other types of dementia, including frontotemporal dementia linked to chromosome 17.

These researchers have focused their studies on the changes in the brain that underlie Alzheimer disease as well as other types of dementia, the progression of disease among patients with Alzheimer disease and other kinds of dementia, how genes can affect an individual's risk of developing dementia or memory loss and the clinical and pathologic characteristics in familial dementias.

“The work of the Indiana Alzheimer Disease Center has been fundamental to a better understanding of sporadic and familial Alzheimer disease and the discovery of new forms of hereditary adult onset neurodegenerative dementias,” said Dr. Ghetti. “These are essential steps toward the development of therapeutic strategies for dementing illnesses.”

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January 3, 2002

IU School of Medicine Seeks Youths For Social Anxiety Study

INDIANAPOLIS - The Indiana University School of Medicine is seeking participants for a clinical trial for youths suffering from social anxiety.

The study involves a new medication for the treatment of social anxiety in children and adolescents between the ages of 8 and 17 years. Participants must have exhibited the signs of social anxiety for at least six months to be eligible.

Many children and adolescents are nervous when giving speeches or answering questions in class. It is not unusual for young people to feel shy or uncomfortable at parties or when meeting new people. When that shyness or embarrassment causes a child or adolescent to withdraw, then it can be defined as social anxiety.

The IU School of Medicine study is being conducted at Riley Hospital for Children. Eligible participants will receive a free evaluation, free office visits and free study medication. Those enrolled in the trial will need to make 11 visits to Riley Hospital over a 4 1/2-month period.

For additional information, contact Jennifer Wilkerson at 317-274-1022.

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January 3, 2002

IU School of Medicine Seeks Patients For Free Colonoscopy Study

Indianapolis -- The Indiana University School of Medicine Division of Gastroenterology is seeking participants for a free colonoscopy study.

To qualify for the study, participants must be between 50 years and 80 years of age and have no more than one first-degree relative (parent, brother, sister or child) with a history of colorectal cancer.

Participants should not have tested positive for blood in their stool within the past 3 years and should not have had a colonoscopy, barium enema or sigmoidoscopy in the previous 10 years.

For more information, call 317-278-3806.

For additional information on IU School of Medicine clinical trials, see <http://clinicaltrials.iupui.edu>.

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