

IMPACTS



THE MAGAZINE OF THE SCHOOL OF
HEALTH AND REHABILITATION SCIENCES



Coleman Hall,
Home of the School of Health and
Rehabilitation Sciences



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IMPACTS

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THE MAGAZINE OF THE SCHOOL OF HEALTH AND REHABILITATION SCIENCES

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On the Cover

Coleman Hall. Photograph by Sharon Miller.

IMPACTS, the magazine of the School of Health and Rehabilitation Sciences, is published annually for alumni, friends, faculty, staff, and students.

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GREETINGS FROM THE DEAN



Dear Friends,

I am delighted to have this opportunity to update you on the activities of the faculty, staff, and students of the School of Health and Rehabilitation Sciences. Despite the unprecedented economic challenges facing Indiana and the nation, our school celebrated numerous

successes this past year as you will see when you read this issue of IMPACTS.

The noteworthy achievements of faculty and students reflect our collective commitment to academic excellence and the unwavering support of our alumni and friends. Physical therapy, occupational therapy, and nutrition and dietetics students scored above the national average on their licensure examinations, and our school received over \$1.5 million from government agencies, corporations, and international organizations to fund faculty and student research projects. In recognition of the quality of our nutrition and dietetics program, the dietetic internship program was reaccredited for 10 years by the Commission on Accreditation for Dietetic Education.

We are pleased with the outcome of our fundraising efforts, resulting in donations from 426 alumni, 126 friends, 16 corporations, and one foundation. Using our strategic plan as a framework, we developed new academic programs to meet the health care workforce needs of the state and the nation. The school received approval from the Indiana University Board of Trustees and the Indiana Commission on Higher Education to offer a new Bachelor of Science

in Health Science degree and undergraduate certificates in global health and rehabilitation studies, gerontology, and rehabilitation and disability studies.

Like other schools of health professions across the country, the School of Health and Rehabilitation Sciences experienced the impact of the difficult economic climate. We are mindful of the financial burden these challenges put on our students. To that end, a significant portion of the monies donated by faculty and staff of the school have been earmarked for student fellowships and scholarships. In preparation for the upcoming campus-wide campaign, the school has developed its funding priorities and identified several naming opportunities. Over the next couple of months, I will be reaching out to our alumni and friends to support our efforts to increase the number of available merit and need-based scholarships and fellowships.

Thank you for your continuing support of our goal of educating the next generation of health and rehabilitation professionals. I hope you find the stories, programs, and people profiled in this issue to be a source of pride in what your generosity has helped us to accomplish.

Please contact us if you are interested in receiving more information about our programs or have suggestions or comments.

Best Regards,

A handwritten signature in black ink that reads "Augustine O. Agho". The signature is written in a cursive style.

Augustine O. Agho, Ph.D.
Dean



Donors

SHRS Donors of 2009

The school is grateful to our donors who help educate future physical therapists, nutritionists, dietitians, occupational therapists and health scientists. Whether you have made significant annual contributions, given over a long period of time, or designated the school in your estate plans, we appreciate your support! If we have listed your name incorrectly or would prefer we not list your name in future publications, please contact the dean's office at kaitbell@iupui.edu.

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THE SPIRIT OF PHILANTHROPY

Recognizing dedicated donors and alumni

Over the last 12 years, the School of Health and Rehabilitation Sciences has honored our most generous supporters at IUPUI's annual Spirit of Philanthropy luncheon and awards ceremony. Honorees have made a significant impact at the school by establishing student fellowships, faculty professorships, lectureships, and more. In April, the school proudly recognized Donald and Nancy Lamport for their many years of support and service.

In 1995, the Lamports established the Occupational Therapy Student Horizon Education Fund to enhance student educational experiences. Because of their support, students have been able to attend the American Occupational Therapy Association's annual conference to learn about new research and best practices. Other philanthropic interests at Indiana University include the Cel Hamant Occupational Therapy Professorship which honors Associate Professor Emerita and former Department Chair Cel Hamant, and the IU Simon Cancer Center's Breast Cancer Research Fund. In 2010, the Lamports will mark the 25th year they have supported Indiana University, as well as their 56th wedding anniversary.

Don and Nancy met in high school. They attended Ohio State University where Nancy earned a Bachelor of Science in Occupational Therapy and Don received a Bachelor of Science in Pharmacy. After joining the Indiana University faculty in 1977, Nancy went on to pursue a Master of Science in Education from Butler University. Nancy taught for 18 years before retiring as associate professor emerita of occupational therapy. Don began working at Parke-Davis in 1954 and remained with the company for more than 40 years. Don and Nancy enjoy volunteering at the Lilly

House, the gardens and the greenhouse of the Indianapolis Museum of Art, as well as traveling and developing their hobby skills.



Dean Agho presents the 2010 School of Health and Rehabilitation Sciences Spirit of Philanthropy Award to Nancy and Don Lamport.

"Don and Nancy Lamport truly care about students and their growth into passionate occupational therapists. Their support enables the Department of Occupational Therapy to offer unique professional development opportunities to students that we otherwise would be unable to afford. They are an excellent example of how two people can truly make a difference in hundreds of lives," — Dr. Augustine Agho, dean of the School of Health and Rehabilitation Sciences.

Past School of Health and Rehabilitation Sciences Spirit of Philanthropy Awardees

- 2009 - Jane M. Gerardot
- 2007 - Arlene W. Wilson
- 2006 - Louise Goggans, Med.Sc.D.; Rehabilitation Hospital of Indiana
- 2005 - Rock Island Foundation; Anita Slominski
- 2004 - Fran Ekstam; Sheila Ward
- 2003 - Patricia Rae Evans; Nestle Foundation
- 2002 - Stephen O. Jones
- 2001 - Elton T. Ridley
- 2000 - The Family and Friends of William D. Porter; Van Ausdall and Farrar
- 1999 - Steven W. Wodicka
- 1998 - Donald O. Lamport

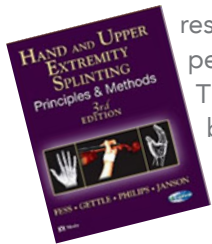


Elaine Ewing Fess, M.S., OTR, FAOTA, CHT Recipient of the Distinguished Alumni Award

The SHRS Distinguished Alumni Award recognizes noteworthy alumni who have made significant contributions to their profession, gained widespread recognition for their accomplishments, all while consistently making remarkable contributions to the school. This year, the SHRS Alumni Association Board recognizes Elaine Ewing Fess with the 2010 Distinguished Alumni Award for her commitment and dedication to the occupational therapy profession and the school through her accomplishments in research, teaching, and service.



Since her graduation from the IU occupational therapy program in 1966, Elaine has established herself as an international authority in the area of hand rehabilitation. Her



research has resulted in an extensive number of peer-reviewed publications in national and international periodicals including the Journal of Hand Therapy, Journal of Hand Surgery and British Journal of Hand Therapy. In addition, she has written numerous book chapters and is a consistent contributor to Rehabilitation of the Hand. Elaine is an accomplished author, producing five books in her field of expertise. Her third edition of *Hand and Upper Extremity Splinting: Principles and Methods* (pictured left) is regarded as an authoritative textbook on splinting and is used by occupational therapy practitioners and students throughout the world.

Elaine is described by her students and fellow faculty as a dynamic teacher who instills passion for the profession in whomever she works with. Her educational influence does not end in the classroom, but extends into the numerous national and international conferences and workshops in which she continues to educate her peers around the world. It is not surprising that her knowledge and influence have inspired many of her students to specialize in hand and upper extremity rehabilitation. Elaine has served as a role model for many. In fact, she was one of the five founders of the American Society for Hand Therapy, which now has thousands of members internationally.

With an extensive history of service to the IU occupational therapy program, numerous professional organizations and societies, colleagues, students and patients, Elaine's dedication to this school and her profession has left a thoroughly positive mark in every possible way. It is no surprise that the IU School of Health and Rehabilitation Sciences and the Department of Occupational Therapy are very proud to recognize this alumna.

Congratulations, Elaine!

New SHRS Student Enrollment Services Coordinator



The school is happy to announce a recent addition to our staff — Dawn Lipker, M.A., School of Health and Rehabilitation Sciences student enrollment services coordinator. After more than 10 years of graduate school admissions experience at Georgia Southern University, Dawn currently manages all admissions and recruitment

prospects for the School of Health and Rehabilitation Sciences. With the significant projected growth of current and future school programs, we are certain her experience and positive energy will help guide the school in the right direction.

Dawn's first major project will be enrollment and recruiting for the new B.S. in Health Sciences program. This is particularly challenging as the school returns from graduate-only programs to the more traditional university platform of both undergraduate and graduate curricula.

OT Department instills a strong translational research commitment

Three OT student investigative groups successfully presented their research at the recent American Occupational Therapy Association (AOTA) annual conference and expo in April. In 2009, 10 students attended the AOTA annual conference in Houston. Five of these students presented a poster on the way evidence based practice is offered here at Indiana University.

Additionally, 21 students from the Classes of 2009 and 2010 have had evidence review posters accepted at the Indiana Brain Injury Association conference. Several students have also submitted their research for publication; Jennifer Gardner (Class of 2009) has submitted to American Journal of Occupational Therapy; Abby Dehoff and Megan Albright (Class of 2008) have a paper in review for the Journal of Allied Health; and Britney Sepanski (Class of 2008) has submitted research to the Early Intervention Special Interest Section Newsletter. The quality of OT student research is growing yearly with ongoing investigations in areas as diverse as health literacy; stroke-related balance and yoga; issues in community mobility; role participation following serious illness; and ergonomics.



OT community service pride

A strong focus and commitment to community programs continues to be an important part of the occupational therapy program. Activities such as adopting a family for the holidays, raising funds, food collection for Gleaner's food bank, and awareness for Alzheimer's through participation in the 2009 Memory Walk (shown above) are ongoing activities to which our OT students and faculty are continually committed. This year, a popular new project involved collecting personal care items and clothing, such as socks and underwear, to distribute to homeless veterans on Valentine's Day.

The Class of 2010 has continued the tradition of student involvement in community and service-learning activities. While on a break from their first semester, several opportunities became available such as a collaboration with Riley Children's Hospital and the Indiana State Fair to promote disability awareness, bike safety, and proper packing and carrying of backpacks.



PT students' well-rounded success

The sixth doctorate of physical therapy class graduated this May with an amazing track record of scholarly research and extracurricular participation. Their research has included investigations into osteoporosis treatments; instrument-assisted soft tissue mobilization; patient direct access in Indiana; Nintendo Wii Fit age and physical activity level in older adults; patellofemoral pain syndrome; and various other bone health investigations. These endeavors have resulted in both peer-reviewed posters and oral presentations at national conferences, as well as national and international publication. Their extracurricular activities are comprised of community service projects such as the MS (Multiple Sclerosis) Swim Program, Habitat for Humanity, food drives, health fair fitness assessments, and annual participation in the national Marquette fundraising event. The physical therapy department continues to celebrate the successful performance of our graduates both on the PT national board exam and within the clinic. Our students are ranked among the best in the country!



Advocacy education at the statehouse

The Department of Occupational Therapy provides quality professional exposure for their students at the annual OT student trip to the Indiana Statehouse to learn more about the legislative process and profession advocacy. The OT students tour the State Capitol building and discuss how a bill becomes law. At this visit they also met with the IOTA lobbyists and learned about their responsibility for advocacy for their clients and their profession.

Nutrition and Dietetics accreditation success

The Department of Nutrition and Dietetics is delighted to announce that the Commission on Accreditation of Dietetic Education has accredited the dietetic internship program for the maximum period of 10 years. This program is the second oldest dietetic internship in the United States and is among the first programs in the nation to be accredited under the new 2008 accreditation standards. The newly reaccredited program is 10

months in length and provides dietetic interns with eight credits of graduate level coursework and 1,232 hours of supervised practice in sites throughout central Indiana. All of this is made possible thanks to the tremendous support of the health care organizations, public school systems, community programs, dietitians, and friends in Marion and surrounding counties.

Occupational Therapy unified on social participation

Occupational therapy faculty continue publishing in peer-reviewed journals as well as presenting at an accelerated rate at regional, national, and international conferences. In May, Dr. Patty Scott presented with Dr. Ricardo Carrasco at the World Federation of Occupational Therapists world congress in Santiago, Chile. This conference was highly competitive with more than 2,000 proposals submitted and fewer than 200 accepted for presentations. In addition, the faculty continue to submit grant proposals for funding their respective lines of inquiry. Recently, the department reached a consensus on a unified research agenda of social participation. Regardless of whether the research is focused on someone sustaining a musculoskeletal injury on the job, having an organ transplant, experiencing stroke, or wanting to drive/use public transportation, engagement in social participation is critical. OT faculty will continue to produce groundbreaking research that is relevant to rehabilitation and everyday life.

Program progression within Health Sciences

This is an exciting time for the Department of Health Sciences. With the approval of the Indiana Commission for Higher Education for our new **B.S. in Health Sciences**, our departmental programs now span undergraduate through doctoral degrees. This program will prepare graduates for graduate/professional schools (i.e. occupational therapy, physical therapy, physician assistant, medical and public health) and for employment in health and rehabilitation fields.

Our Ph.D. in health and rehabilitation sciences degree program accepted its first cohort of six students in Fall 2008. We now have 15 students in the program; all of whom earned master's degrees before being accepted into the program, and their research interests range from rehabilitation of various patient populations to health disparities.

We are in the process of revising our current M.S. in Health Sciences to expand the focus of the

degree and use existing resources most effectively. Students will be admitted to this program effective Fall 2010.

In Fall 2009 we received approval to offer three undergraduate certificates:

- * Gerontology
- * Global health and rehabilitation studies
- * Rehabilitation and disability studies

We have experienced an increased interest in these certificates, and expect interest to continue to grow as our B.S in Health Sciences degree program accepts its first students in Fall 2010.

Finally, you may have heard that we are developing a proposal for a physician's assistant program. As envisioned, this degree would be at the master's level. Graduates of the program would be able to address some of the shortfall in health care providers in the state and beyond.

Physical Therapy direct access in Indiana

Faculty and students' grassroots effort at change

The issue of direct access in physical therapy remains very important for Indiana since we are only one of the two remaining states that requires by state law a referral to initiate treatment by a licensed physical therapist and therefore does not allow consumers direct access to physical therapy services. During the 2010 American Physical Therapy Association combined sections meeting (APTA CSM), held in San Diego, February 17-21, several third year D.P.T. students were able to present the results of a direct access study initiated by the primary author, Bethany Holder, D.P.T., PT; their poster was titled *Outlooks and Opinions of Practicing PTs Regarding Direct Access in Indiana*. Other student authors are (from the IU D.P.T. Class of 2010) Kristin Dreibelbis, James Heighway, Toni Robinson, Renee Schlabach, Heather Smith, and Erica White, with both Professor Valerie Strunk, M.S., PT, and Dr. Amy Bayliss, D.P.T., PT, serving as faculty mentors.



Heather Smith and Erica White (center), both D.P.T. Class of 2010, present a poster and discuss their direct access research at the 2010 combined sections meeting of the American Physical Therapy Association.

The poster presentation at the APTA CSM 2010 displayed some of the results from the Indiana Chapter of the American Physical Therapy Association (INAPTA) and Indiana University jointly funded study conducted in 2009. The goals of the study were to investigate the opinions of physical therapists residing and licensed in Indiana regarding direct access, scope of care, liability, and manipulation practices.

Out of 5,052 licensed PTs in Indiana, 3,350 PTs with an Indiana home address were randomly selected and mailed a cover letter, a survey, and a stamped return envelope. Approximately 1,407 surveys were returned out of 3,350 sent, resulting in a survey return rate of 42 percent.

The researchers found that the majority of respondents to this survey want direct access in the state of Indiana, with more than 76 percent of physical therapists in favor of a change in legislation on direct access. Confidence in differential diagnosis skills was high, with 77.6 percent of respondents either strongly agreeing or agreeing.

The high return rate and passionate responses confirm these issues are important to PTs practicing in Indiana. The lack of direct access in Indiana limits professional growth and autonomous practice and is potentially detrimental to the profession. Results of the survey can help redirect efforts toward dispelling myths, promoting grassroots efforts, and encouraging teamwork in our peers.

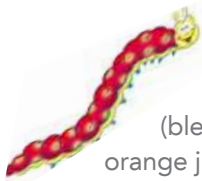
The research team intends to continue their efforts to disseminate their results with the ultimate goal of facilitating progress towards gaining direct access to physical therapy services in the state of Indiana. Leaders from the INAPTA plan to incorporate portions of these results into their continuous lobbying efforts for direct access within the Indiana Statehouse.



Nutrition and Dietetics community service excellence Students collaborate with the Children’s Museum of Indianapolis



When you visit the Children’s Museum of Indianapolis this summer with your children or grandchildren be sure to visit the Health House. If you want kid-friendly, kid-tested, easy recipes for healthy snacks this is the place to go. Thanks to Department of Nutrition and Dietetics master’s students Katy Brown-Carter and Allison Ehalt working under the direction of Dr. Karyl Rickard and Dr. Sue Brady, gourmet healthy delights such as “caterpillars” (a mixture of peanut butter and nonfat dry milk powder rolled in coconut) or a “berry good smoothie” (blended yogurt, mixed berries, skim milk, orange juice, and ice) will be enjoyed by families this year.



Indiana children from ages 4 through 8 and their parents sampled and evaluated all of the recipes offered at the health house. A total of 16 recipes for snacks using fruit, peanut butter, dairy products, and veggies will be available to families on a

rotating basis. These kid-tested recipes star in a new computer game where Chef Patty shows kids how to make these tasty snacks.

During your visit to the Health House, you can play the nutrition computer game and meet Chef Tony as he introduces your child to fruits and vegetables. This learning activity was revised by Dr. Rickard and her master’s students to provide an entertaining, fun experience for children from ages 4 through 8. As a result of the revisions to the game, 93 percent of the children who started the activity completed it and spent an average of five minutes at the game.

These activities are part of Dr. Rickard’s ongoing project with the Children’s Museum of Indianapolis to help Indiana children develop healthy eating habits — a cornerstone of good health.



PT and Oklahoma City Thunder collaboration



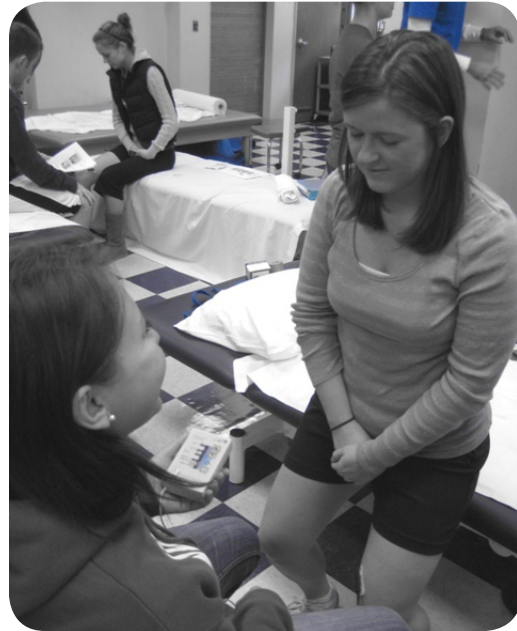
The Department of Physical Therapy recently established a clinical education partnership with the Oklahoma City Thunder of the National Basketball Association. They accepted their first student, Frank Klene D.P.T. Class of 2010, for a 12-week clinical internship this spring. Frank studied under clinical instructor Donald Strack, D.P.T., ATC, OCS, who is also the director of medical services for the Thunder. On days when the team was travelling, Frank studied at Oklahoma Physical Therapy Spine Care and Rehabilitation under clinical instructor Sarah McGaughey, M.P.T. After frequent 12-hour days between the clinic and the training room, Frank learned a lot during his time in Oklahoma City; but he will be thankful to return to Indianapolis prior to graduation and catch up on sleep.



PT clinical education moves out of state

This spring marked the successful implementation of a new procedure designed to give students more options in where they are assigned for full-time clinical education affiliations. Beginning in January 2009, students interested in pursuing clinical assignments outside of a 50-mile radius of campus could request specific assignments at affiliated sites outside the area. Student requests for out-of-area clinical experiences were pursued by the director of clinical education (DCE) through a handwritten letter to the center coordinator of clinical education (CCCE) at the requested site. Clinical site response to this procedure was overwhelmingly positive, with nearly 70 percent of DCE requests for specific assignments resulting in rotation offers for these students.

This procedure offered many benefits to IU students and affiliated clinical sites. Those pursuing out-of-area affiliations felt they had more control over their clinical assignment by having an opportunity to choose locations where housing with friends or family was readily available. Third-year students looking to relocate after graduation used this opportunity to secure an assignment near a city where they wished to eventually find a job and a home. Additionally, as the number of students assigned to out-of-area locations increased, student demand for once popular in-area assignments decreased, allowing remaining students to secure quality local clinical experiences. Finally, CCCEs responded that they appreciated offering clinical affiliations to



IU students who sought a learning experience specifically at their site.

In addition to these benefits, this procedure provides an opportunity for students to travel for clinical education assignments. Out-of-area requests resulted in IU students studying at sites across the country. A sample of successfully procured out of state assignments can be seen in the list below. Our hope is that during the assignment process of 2010, more IU D.P.T. students will take advantage of this process of securing out-of-area clinical education assignments.

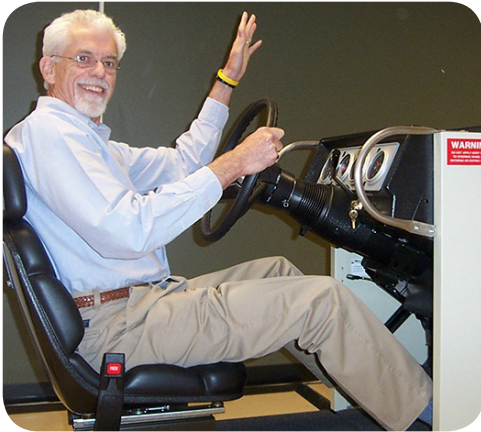
Successful 2010 Indiana University PT Out of State Clinical Education Placements:



Glendale, AZ
Denver, CO
Englewood, CO
Jacksonville, FL
Naples, FL
Chicago, IL
Hutchinson, KS
Lexington, KY
Louisville, KY

Detroit, MI
Las Vegas, NV
Akron, OH
Cincinnati, OH
Columbus, OH
Oklahoma City, OK
McMinnville, OR
Charleston, SC
Austin, TX

SHRS departments continue aggressive research agenda



Disability and public transportation relationships

Dr. Jeffrey Crabtree, Department of OT, is mentoring two student research groups. One group is investigating relationships between public transportation and nutrition in individuals with disabilities, using data from the National Health Interview Survey on Disability (NHIS-D). The second group is investigating the satisfaction with the IndyGo Open Door paratransit application process.

Work-related musculoskeletal disorders in emergency personnel

Dr. Thomas Fisher, Ph.D., OTR, CCM, FAOTA, is collaborating with a group of OT students and physicians Steve Wintermeyer, M.P.H., M.D., and Gino Alberto, M.P.H., D.O., from the IU School of Medicine. They are exploring the awareness of emergency medical services personnel with the physical risk factors associated with work-related musculoskeletal disorders. He is also collaborating with Professor Elaine Fess and students on the use of the Semmes-Weinstein monofilaments in detecting peripheral neuropathy in persons with diabetes.



PT students making headway in osteoporosis research

PT students Frank Klene and Brandon McGaughey have spent the past year working on an NIH-funded project in Dr. Robyn Fuch's lab evaluating mechanisms for how drug therapies for osteoporosis effectively increase bone mass. Specifically, they have completed a drug study investigating a novel bone protein called periostin, which is expressed in bone cells that have the job of making new bone. They investigated the skeletal requirement for periostin in regulating bone size when the skeleton of mice deficient in periostin were challenged with parathyroid hormone (PTH), an FDA-approved drug therapy for the treatment of osteoporosis. The research team discovered that mice deficient in periostin respond better to PTH treatment than mice with a normal functioning gene for periostin. This suggests that periostin may be acting as an anti-osteogenic regulator of bone formation. This is an important finding which adds to our understanding of the mechanisms for how PTH functions as an anabolic drug. This work was presented as a platform presentation at the 2010 national American Physical Therapy Association combined sections meeting and has been submitted for publication.



Limited ability autonomous driving systems

Dr. Michael D. Justiss, Ph.D., OTR, continues his research with the Transportation Active Safety Institute (TASI) and will begin the second phase of a Federal Highway Administration (FHWA)-funded project investigating human factors for limited ability autonomous driving systems. Dr. Justiss was also invited as a reviewer by the American Occupational Therapy Association for an evidence-based literature review project to examine the effectiveness of low-vision interventions on driving and community mobility in older adults. Information from these evidence-based literature reviews will be used to update the Occupational Therapy Practice Guidelines for Adults With Low Vision.

Pediatric robotics therapy

Improving rehabilitation outcomes for cerebral palsy patients

Can groundbreaking robotic therapy be an effective tool in pediatric cerebral rehabilitation? That's what the IU Department of Physical Therapy's Motion Analysis Research Laboratory (MARL) is working hard to find out.

Dr. Tracy Dierks (MARL director) and Dr. Peter Altenburger (department co-chair) have teamed with Dr. Gregory Wilson (director, developmental pediatrics, Riley Hospital for Children) and Pauline Flesch (director, rehabilitation services, Clarian Health Partners) to create a joint clinical and research center for robotics rehabilitation. This new center is designed to provide innovative robotic therapy for both clinical and research endeavors to ultimately develop new rehabilitative treatments and interventions.

The new robotics center is combined with the MARL and has been relocated from Coleman Hall to the Rotary Building. The joint venture has created the only center in the country where robotics rehabilitation is covered by Medicaid and housed in a motion analysis lab. Currently, the new center contains a robot designed for the shoulder and elbow (above right), and a Lokomat gait robot (below right) that includes an exoskeleton for the legs, a treadmill, and an anti-gravity system. Plans are in place for the purchase of robots designed for the hand and wrist and for the foot and ankle.

The driving force behind the creation of the new robotics center is the potential of robotics therapy to improve the lives of children with cerebral palsy (CP). The center has been awarded funding from the Cerebral Palsy International Research Foundation to perform studies aimed at determining the effect of both upper and lower extremity robotic therapy as a treatment for children with CP. Additional studies and grants are currently in



development in conjunction with the Massachusetts Institute of Technology, Blythedale Children's Hospital (NY), and the University of California at Los Angeles. This makes the new center the first in the country dedicated to utilizing a full array of robotic therapy in the treatment of children with CP.

The new center has also created the need for new personnel. The center has secured funding to bring on Dr. Ryan Cardinal as the first fully funded Ph.D. student in health and rehabilitation sciences working in conjunction with the Department of Physical Therapy and the center. Dr. Cardinal earned his D.P.T. degree from the school's physical therapy program in 2006. He had been practicing in pediatrics until he began his Ph.D. work in the 2010 spring semester under the direction of Dr. Dierks. The new center will also create opportunities for PT and OT students to gain valuable research and clinical experience.



Photo of pediatric Lokomat[®] (right; provided courtesy of Hocoma, Inc., USA).



Introducing the IUPUI IMPACT Campaign... Supporting our school's scholars

Later this year, IUPUI and the School of Health and Rehabilitation Sciences will launch a major campaign to support our students and faculty. With your generosity, we can enhance our students' educational experiences, encourage new research endeavors by faculty, and provide facilities to support the work of those dedicated to the school. During the previous campaign, between 2000 and 2006, the school raised nearly \$1.85 million! We now look to raise an additional \$2 million to benefit future physical therapists, dieticians, occupational therapists, and health scientists.

The top priority of our campaign is to increase scholarship opportunities by raising \$950,000 by 2013. Each year, thousands of students apply to rehabilitation and nutrition programs across Indiana. Scholarships and fellowships are needed to recruit top candidates and assist our successful students. The school has many deserving scholars, but relatively little financial support available.

With support from donors like you, the school was able to offer aid to 18 students during the 2009-2010 school year. Over the years, alumni such as Steve Jones (PT '63,'71) have established fellowships to ensure that our doctorate of physical therapy students who excel in the classroom can afford their IU educations. David and Leora Comis (OT '78) contribute annually to the Carol Duke Nathan Occupational Therapy Fellowship which supports an occupational therapy student with demonstrated financial need.

You too can make an IMPACT in the lives of our students by establishing an endowed scholarship or fellowship, or by supporting our current student support accounts. Please contact Dean Austin Agho at (317) 278-9850 to learn more about the campaign.

Student scholarships have played an important role in the higher education experience for our students for more than 50 years. To the right is a photo of the Occupational Therapy Class of 1962 — from l to r: Jennie Lucci, Pat Griswold, Karen Bennett (Winchester), Bonnie Brooks (Manny), Carol Deter (Dreher), and Winfred Kahmann.



SHRS scholarships and fellowships

The school and our students are thankful for our alumni and friends that have established and supported fellowships and scholarships. Every spring, our top students apply for the following awards:

Nutrition and Dietetics

Dr. Sheila Ward Dietetics Fellowship
Louise Irwin Dietetics Fellowship
Arlene Wilson Dietary Scholarship

Occupational Therapy

Carol Duke Nathan OT Fellowship
Katharine Belzer Fund

Physical Therapy

Brown/Ekstam PT Scholarship
Katharine Belzer Fund
Stephen O. Jones Fellowship
Patricia Rae Evans Fellowship
William D. Porter Award

IMPACTing a Top Student... ELIZABETH BOGENSCHUTZ, D.P.T. 2010

Over the last three years, Elizabeth Bogenschutz has exemplified the ideal Indiana University student, with a strong commitment to her studies, community and fellow doctorate of physical therapy students. In 2008 she was awarded the Constance Brown Fellowship and in 2009 the Frances Ekstam Fellowship, both because of her academic excellence. She also became the fifth IU physical therapy student in a row to win the Indiana American Physical Therapy Association's annual scholarship. In April, Elizabeth was named a recipient of the 2010 APTA Mary McMullan Scholarship Award. This award honors outstanding physical therapy students near the completion of their academic program who have made promising contributions to the profession. It is awarded each year to the top 10 physical therapy students in the nation and is a considerable honor and accomplishment.



After graduating from IU Bloomington in 2007 with a B.S. in Exercise Science, Elizabeth knew that she wanted to help people with various diseases and conditions function at a higher level and help improve their quality of life. Elizabeth has enjoyed her clinical rounds, recalling a story of a stroke patient she has worked with for 10 weeks who has made significant progress towards recovery. She noted, "It's rewarding to see growth over time and the changes people go through. It makes you enjoy your day."

When not busy in the classroom or helping patients, Elizabeth works as a research assistant with Dr. Stuart Warden, where they have co-authored several papers. They recently went to the American Physical Therapy Association combined sections meeting in San Diego to present research on the effects of throwing on the humerus of male baseball players. In addition, she has served as the Class of 2010 treasurer, a student mentor in the physiology mentoring program and MS swim program volunteer at the IU Natatorium.

In reflecting on the fellowships she has been awarded, Elizabeth said, "I'm thankful for the financial support I've received. It has enabled me to focus on my studies and inspired me to start giving back after I graduate."



Photos from l to r: Elizabeth (center) with classmates at 2010 APTA CSM in San Diego; participating in 2009 PT Month run/walk event; with classmate, Edward Bloom and multiple sclerosis patient, Judy Green in the MS Swim Program.



SCHOOL OF HEALTH AND REHABILITATION SCIENCES

INDIANA UNIVERSITY
IUPUI

Coleman Hall Room 120
1140 W. Michigan Street
Indianapolis, IN 46202-5119



From the B.S. Physical Therapy Class of 1961 (above) to today, our programs continue to develop Indiana's top health and rehabilitation science professionals.

Inspire excellence! Make a difference today!

As our school continues to grow and create lasting impacts on health and rehabilitation science education, we are thrilled at the milestones we have made in both the academic and research fields. Annual gifts from our donors have helped pave the way by facilitating internationally renowned faculty research, heightening student educational experiences, providing essential scholarship opportunities, and allowing vital renovations of classroom and laboratory facilities. The generosity of our alumni and friends has allowed our school to create an environment in which students and faculty flourish, and we are extremely grateful for their involvement in our success!

There are many ways to contribute to our mission and for additional information on these giving opportunities, please contact Dean Augustine Agho:

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