

# Ψ PATH TO THE FUTURE

A Publication of the Department of Pathology and Laboratory Medicine at Indiana University School of Medicine

## FACULTY HONORS

### Dr. Eble



Dr. John N. Eble, Chairman of the Department of Pathology and Laboratory Medicine and Nordschow Professor of Laboratory Medicine, was presented with the F.K. Mostofi Distinguished Service Award at the 99th Annual Meeting of the United States & Canadian Academy of Pathology (USCAP) in Washington, D.C.

The F.K. Mostofi Distinguished Service Award was established as a tribute to the long and dedicated service of Dr. Kash Mostofi to the International Academy of Pathology. This award is presented to a member of the USCAP who has rendered outstanding service to the International Academy of Pathology and its US-Canadian Division.

Dr. Eble has shared his knowledge of urologic pathology with thousands of pathologists and urologists around the world. He has been active in the International Society for Urologic Pathology since it began in 1990, serving several roles from Councillor (1991-1995), Treasurer (1995-2001) and President (2001-2005). Through his work with the Society, Dr. Eble was introduced to Dr. Mostofi, who was president in the early years of the Society.

For the American Society of Clinical Pathologists, Dr. Eble is presently on the faculty of the annual course, "Contemporary Issues in Urologic Pathology". He is also on the faculty of the annual Harvard course, "Urologic Surgical Pathology for the Practicing Pathologist".

Dr. Eble presented his first short course for USCAP in 1994. Currently, he presents a short course with Dr. David Grignon entitled, "Handling and Reporting of Tumor – containing Specimens in Urologic Pathology".

In 2000, Dr. Eble became the fourth editor of *Modern Pathology*, one of two journals published by the USCAP. ■

### Dr. Davis



The Indiana University Trustees' Teaching Award is given to faculty members, whose primary duties are teaching, by the Indiana University Board of Trustees. The award emphasizes the school's commitment to outstanding teaching and underscores that student learning is the first priority.

Dr. Thomas E. Davis, Culbertson Professor of Pathology, was distinguished with this award again this year, his 9th time. The School of Medicine's Faculty Awards Committee selected Dr. Davis for his sustained dedication and outstanding practice of the art and science of teaching.

The second year medical school students also voted Dr. Davis the MS2 Teacher of the Year for teaching General Pathology. The students added an inscription to the award that reads, "And the Teller of Great Life Stories." ■

### Dr. Badve



Dr. Sunil Badve, professor of Pathology and Laboratory Medicine, has been appointed to the newly formed Susan G. Komen for the Cure Scientific Advisory Council.

Komen established the council of 62 experts from a variety of medical and scientific backgrounds and countries to help drive the organization's extensive investment in research, scientific peer reviews, public policy and community programs. Council members are the primary reviewers for breast cancer grants and programs funded by Komen. In addition, council members will participate in professional scientific conferences, think tank meetings and state-of-science reviews for Komen. The council will serve as the advisors on scientific issues related to the development of educational materials, trainings and new programs for the organization.

Three additional Indiana University School of Medicine faculty members were chosen for the council. They included Theresa A. Guise, MD, professor of oncology; Kathy Miller, MD, associate professor of medicine and Harikrishna Nakshatri, PhD, professor of surgery, biochemistry and molecular biology. ■

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**INDIANA UNIVERSITY**  
DEPARTMENT OF PATHOLOGY  
AND LABORATORY MEDICINE  
School of Medicine

Van Nuys Medical Science Building  
635 Barnhill Drive, Room A-128  
Indianapolis, IN 46202-5120  
Phone 317-274-1738  
Fax 317-278-2018  
www.pathology.iupui.edu

Chairman —  
John N. Eble MD, MBA

Senior Administrative Officer —  
Susan M. Hill DLM, MS

Administrative Officer —  
Julie Lindsley MT, SM

*Path to the Future* editor:  
Sandee Black  
sanblack@iupui.edu

#### Mission Statement-

*The Department of Pathology and Laboratory Medicine will be an international leader, training outstanding physicians, scientists, and laboratory professionals, advancing understanding of mechanisms of disease and improving medical practice through research, and providing out-patients and clinical colleagues with advanced diagnostic services, on-time and at low cost.*

## HISTORY OF THE DEPARTMENT OF PATHOLOGY AND LABORATORY MEDICINE

*Written By Dr. Kathleen Warfel Hull*

*The last installment of the History of the Department discussed the history of the Veterans Administration Hospital, research in Dr. Edward's department, and the move of Anatomic Pathology into University Hospital in 1975. The end of the story of Dr. Edward's time as chair of the Department of Anatomic Pathology (1969-1979) is covered here. In the next segment we will turn our attention to Clinical Pathology. It is hoped that anyone with additional information about the history will contact Dr. Kathleen Warfel Hull, [hullk@cerc.com](mailto:hullk@cerc.com), 317 996-4380.*

### Department of Pathology: 1962-1979

#### Creating Pediatric Pathology and Changing Medical Education (continued from Winter 09-10 Issue)

##### Pediatric Pathology

Dr. Edwards established the division of pediatric pathology for the ever-growing Riley Hospital, recruiting pediatric pathologist Francisco "Frank" González-Crussi, MD from Toronto Children's Hospital in 1973. Impetus for this perhaps came from the school's efforts to attract pediatric surgeon Dr. Jay Grosfeld, who reportedly would come only if Riley Hospital had a pediatric pathologist and pediatric anesthesiologists.<sup>1</sup>

When Dr. Crussi first came, his office was part of surgical pathology in University Hospital (though on the fourth floor rather than the third). There was only a frozen section room on-site in Riley Hospital. Dr. Lazaro David Mirkin joined the faculty in pediatric pathology in 1977. He was born in Argentina and graduated from the University of Buenos Aires School of Medicine in 1957. He was a resident in pediatric pathology at the Children's Hospital in Buenos Aires (1961-65) and a resident in pathology at the Children's Memorial Hospital in Chicago (1966-67). He returned to South America and became professor at the University of Santiago and head of the Department of Pathology at the Roberto de Rio Children's Hospital in Santiago (1970-76).



**Dr. David  
Mirkin**

Shortly after Dr. Mirkin arrived, Dr. Crussi left Indiana University School of Medicine (IUSM) in 1978 to become director of pathology at Chicago Children's Hospital affiliated with the Northwestern University School of Medicine. Other Anatomic Pathology faculty helped cover frozen sections and call in pediatric pathology. A separate pediatric pathology office area and gross room on the second floor of Riley Hospital were created, probably in 1979. About this time, the pediatric surgical specimens and autopsy cases were separated out from the adult services, although the tissues were brought back to the histology lab in University Hospital for slides to be made.<sup>2</sup> It wasn't until later that a complete pediatric pathology histology lab was created at Riley Hospital.

#### Changes in Medical Education during Dr. Edwards' Era

Two major changes in medical education programs occurred during Dr. Edwards' era as chairman: the institution of the Statewide Medical Education System and the creation of course X600.

In 1967, the Indiana General Assembly passed enabling legislation for a new "In-

1. Dr. Grosfeld was the surgeon-in-chief at Riley Hospital (1972-2003) and was named the Lafayette F. Page Professor of Surgery and served as the chairman of the surgery department for many years.
2. The first pediatric pathology secretary was Joyce Arletta Brown left the University Hospital Anatomic Pathology secretarial group and went to pediatric pathology in Riley. At first, there was a rotation of histotechs to be assigned to pediatric pathology, but before long Linda Hall became the full-time pediatric pathology histotechnologist.

diana Program for Statewide Medical Education." This was in response to the need for more physicians and residents in Indiana. Many medical students had been going out of state for residencies and never coming back. The theory was that if students were more connected in parts of the state other than just in Indianapolis and if they had opportunities for residency programs in the state, then they would be more inclined to stay and practice here in Indiana after completing their training. By 1971, there was a 42% increase in the number of residents in the state compared to the number in 1967. The second phase of the program for statewide medical education was undertaken beginning in 1968 and was focused on increasing the number of medical students. Rather than establishing a second school of medicine in the state, seven new IUSM Centers for Medical Education were established at seven university campuses, in addition to the Indianapolis main campus and Bloomington campus.<sup>3</sup> The Centers for Medical Education began functioning in 1971. A closed circuit statewide medical television network (MERP) was created to facilitate communication with the physicians of Indiana and among the Centers for Medical Education and central campuses.

This eventually had an impact on the sophomore medical student teaching programs in the department in Indianapolis with changing numbers of students. The number of students entering IUSM in 1972 was raised to 290. The Centers for Medical Education program was phased in, with only the first year established at the satellite centers for some time. So, for a while the Indianapolis faculty had to accommodate a larger number of sophomore students. In 1973 the class size peaked at 305, and handling such a big group of students was difficult, especially in the labs. Between 1980 and 1982-83, all of the Centers for Medical Education had begun to offer the sophomore year as well. The centers each had about twenty freshmen and twenty sophomores, so the faculty at IUMC was teaching only about half of the medical students. This made teaching at the Indianapolis campus more manageable.<sup>4</sup>

In 1969-70, the curriculum of the school was revised with initial basic sciences in the first year; pathology and introduction to clinical medicine in the second year; core clinical clerkships in the third year; and electives in the fourth year. In 1976-77, there was a big change in the IUSM curriculum. The classic basic courses were reduced from two academic years to about one and a half year, and in the last part of the sophomore year, there was only one major course: Medical Sciences X600 – Introduction to Medicine (480 hours for 26 credit hours). This new course was an effort to synchronize and integrate the teaching from the departments of medicine, pathology, radiol-

3. Northwest Center for Medical Education in Gary, South Bend CME, Ft. Wayne CME, Lafayette CME at Purdue, Muncie CME at Ball State University, Terre Haute CME at Indiana State University, and Evansville CME.

4. The size of the medical school classes had grown through the years: in 1906 – 21; in 1947 – 129; in 1964 – 216; in 1971 – 272; in 1972 – 290; and in 1973 – 305. The number of students dropped to 265 in 1986 and was raised to 285 in 1993. Decline was due to lack of physician shortages, declining quality of applicant pool, and financial constraints.

ogy, surgery, and other clinical departments.

Variations in the second year curriculum occurred, but in general circa 1976-80, the sophomores were on a trimester system. The General Pathology course C603 survived in the first term and still had 90 hours of student time for 5 credits, but the Systemic Pathology course was rearranged to correlate its offerings with the subject matter being presented by all the other departments during the next two trimesters.<sup>5</sup> Lectures were given in Emerson Hall auditorium or in smaller rooms in the basement of the Medical Sciences Building. Laboratory sessions were given mainly in Medical Science room 106.

One of the most disastrous innovations in the sophomore program was the year (1976-77) in which the class was divided into five smaller groups to accommodate scheduling of physical diagnosis groups. The pathology lecturers had to give the same lecture five days in a row, something that made it very difficult for the lecturers to remember what they had or had not just said on any given day. Systemic pathology demonstrations also were repeated daily.

Under Dr. Edwards' influence, the teaching labs in general pathology included some of the basic changes seen in experimental pathology. There was an emphasis on using small



"but it looked like liver"

**Dr. Edwards and student --  
The Caduceus 1974**

group case studies, a teaching method that Dr. Edwards had experienced and admired at Duke University. In the systemic pathology sections, the labs focused heavily on the case study approach involving small groups of students. Two students reviewed the clinical history of a case and examined the gross organs and selected microscopic slides. They then reviewed the case history with a clinician and the organs and slides with a pathologist or resident.<sup>6</sup> Dr. Hubbard, who had trained at Johns Hopkins School of Medicine and at IUSM, became the foremost teacher in the department and the backbone of its several lecture and laboratory courses for medical, dental, and allied health students. He was a dedicated and patient instructor. He collected and catalogued hundreds of autopsy case studies for use in the teaching labs.

Beginning in the 1970's, Dr. Kathleen Warfel took on a large



**Dr. Kathleen Warfel**

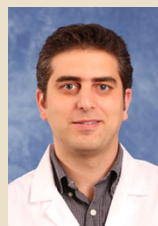
role in the teaching programs as well. As director of the autopsy division at University-Riley Hospital she was able to collect a large number of new autopsy case studies as well as adding many new individual teaching specimens for the glass jar

5. In 1977, the department requested that C604 (3 credit hours) in the second trimester and C605 (3 credit hours) in the third trimester be combined to C604 (6 credit hours) that would be taught over the two trimesters. The request was granted.

6. The family practice faculty participated in this lab.

*"History" continued on page 6*

## GRADUATING



**Mohammad Abuel-Haija, M.B.B.S., Hematopathology**

Dr. Abuel-Haija has been appointed an assistant professor for the Department of Pathology and Laboratory Medicine at Indiana University School of Medicine.



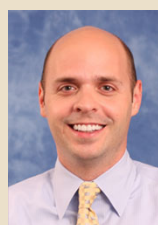
**John Fasig, M.D., Cytopathology**

Dr. Fasig has been appointed to a staff position with Associated Pathologists, P.C. located in Nashville, Tennessee.



**Shams Halat, M.D., Genitourinary**

Dr. Halat has been appointed to a staff position at the Ochsner Clinic in New Orleans, Louisiana.



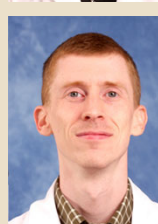
**Matthew Kuhar, M.D., Dermatopathology**

Dr. Kuhar has been appointed to a staff position with Strata Pathology Services in Boston, Massachusetts.



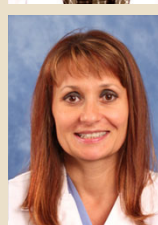
**Becky Marks, M.D., Cytopathology**

Dr. Marks has been appointed an assistant professor with the Department of Pathology and Laboratory Medicine at Indiana University School of Medicine.



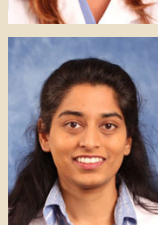
**Trent McBride, M.D., Hematopathology**

Dr. McBride plans to continue here at Indiana University School of Medicine for a Cytopathology fellowship.



**Marzena Muller, M.D., Surgical Pathology**

Dr. Muller has been appointed to a staff position at Inova Fair Oaks Hospital in Fairfax, Virginia.



**Swarna Sikdar, M.D., Cytopathology**

Dr. Sikdar has been appointed to a staff position at the Richard Roudebush Veterans Administration Medical Center in Indianapolis, Indiana.

## FELLOWS

## NEW



**Indu Basil, M.B.B.S., Cytopathology**

Dr. Basil completed her medical training at the Medical College in Trivandrum, India and residency training at the University of Illinois. Recently she completed a surgical pathology fellowship at Allegheny General Hospital in Pittsburgh.



**Shaoxiong Chen, M.D., Ph.D., Cytopathology**

Dr. Chen completed his medical training at Tongji Medical University and residency training at the University of Toledo. Last year he completed a fellowship in Oncologic Surgical Pathology at the University of Texas.



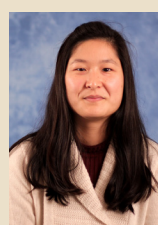
**John Daniels, M.D., Forensics**

Dr. Daniels completed his medical training at Wright State University and residency training at the University of Cleveland. Dr. Daniels has completed fellowships in Anatomic Pathology, Hematopathology and Surgical Pathology at the MetroHealth Medical Center in Cleveland, Ohio.



**Jamie Jacobsohn, M.D., Surgical Pathology**

Dr. Jacobsohn completed his medical training at the University of Pennsylvania and residency training at Washington University. He has completed a fellowship in Neuropathology. Previously he was the President of Chicago Neuropathology Services.



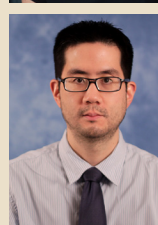
**Jennifer Kum, M.D., Genitourinary**

Dr. Kum completed her medical training and residency at the University of California San Diego. She also completed a fellowship in Placental Pathology and Surgical Pathology at the University of California San Diego.



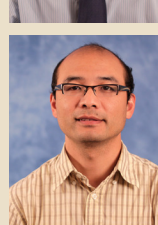
**Andrea Wiens, D.O., Neuropathology**

Dr. Wiens completed her medical training at the University of North Texas and residency training at Ball Memorial Hospital.



**Benjamin Yan, M.D., Ph.D., Hematopathology**

Dr. Yan completed his medical training at the University of Illinois at Urbana-Champaign and residency training at the University of Chicago. Last year he completed a fellowship in Gastrointestinal and Hepatopathology at University of Chicago.



**Jiehao Zhou, M.B., Ph.D., Hematopathology**

Dr. Zhou completed his medical training at Beijing Medical University. Dr. Zhou completed his residency training at the University of Buffalo.

## GRADUATING RESIDENTS



Ryan Des Jean, Carrie Cocklin, Michael Morton, Maha Al-Khawaja and Andrew Armstrong pictured here at the Pathology Resident and Fellow Reception held at the Indiana Historical Society on June 18, 2010.

## NEW RESIDENTS



**Riley Alexander, M.D., M.B.A.**

Dr. Alexander completed his medical training at Indiana University School of Medicine.



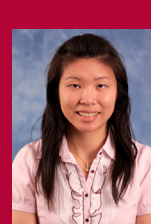
**Joshua Bradish, M.D.**

Dr. Bradish completed his medical training at Indiana University School of Medicine.



**Ashley Inman, M.D.**

Dr. Inman completed her medical training at Indiana University School of Medicine.



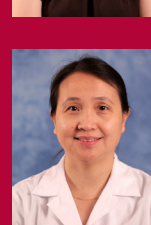
**Chia-Sui Kao, M.D.**

Dr. Kao completed her medical training at Indiana University School of Medicine.



**Lindsay Schelling, M.D.**

Dr. Schelling completed her medical training at Loyola University Stritch School of Medicine.



**Jihong Sun, M.D.**

Dr. Sun completed her medical training at Peking University Health Science Center.

### Future Plans:

**Ryan Des Jean, M.D.** - Dr. Des Jean will begin a Cytopathology Fellowship at the Memorial Sloan-Kettering Cancer Center.

**Carrie Cocklin, M.D.** - Dr. Cocklin has been appointed to a staff position with Summit Urology and Bedford Medical Regional Centers.

**Michael Morton, M.D.** - Dr. Morton will begin a Oncologic Surgical Pathology Fellowship at the Memorial Sloan-Kettering Cancer Center.

**Maha Al-Khawaja, M.D.** - Dr. Al-Khawaja will begin a Gastrointestinal Pathology Fellowship in Memphis, Tennessee.

**Andrew Armstrong, M.D.** - Dr. Armstrong will begin a Dermatopathology Fellowship at Indiana University School of Medicine.

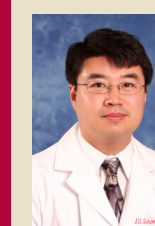
## FACULTY NEWS

### Faculty Promotions

**Dr. Sunil Badve** was promoted from an associate professor to a full professor.

**Dr. Xiaoyan Wang** was promoted from an assistant professor to an associate professor.

### Farwell To Faculty



**Jey-Hsin Chen, M.D., Ph.D., Assistant Professor**, left the department in November 2010. He has accepted a staff pathologist position with CellNetix Pathology and Laboratories/Swedish Medical Center located in Seattle, Washington. Dr. Chen's service coverage will be primarily gastrointestinal, liver, pancreaticobiliary, and hematopathology services. He is looking forward to the opportunity to be closer to his family who live in the Seattle area. Dr. Chen expresses his gratitude to everyone in the IUSM and Clarian community for the camaraderie he experienced and states he will always remember his time here fondly.



**Ramesh Ramanathan, M.B.B.S., Clinical Associate Professor**, who was located at Arnett Hospital left our department in July 2010. He is now located at the Indian River Memorial Hospital in Vero Beach, Florida. Dr. Ramanathan is the Medical Director for the Department of Pathology and Laboratory Medicine. The Indian River Memorial Hospital is moderate sized with about 340 beds. Dr. Ramanathan is excited for this opportunity and to return to AmeriPath, his previous employer.

"History" continued from page 3

medical museum and wet lab exercises. Both Drs. Hubbard and Warfel were greatly aided by Randy Morgan, who was supervisor of the autopsy service and the technical assistant in the teaching program for many years.<sup>7</sup> As course director, Warfel continued Dr. Hubbard's tradition by reorganizing the curriculum and writing new syllabi and lab exercises that continued to stress the importance of specimen observation and problem solving in gross and systemic pathology.

In addition to the classic autopsy case (crudely referred to as "man in the pan"), the students also had exercises in which they rotated from station to station to observe gross and microscopic changes in systemic pathology (crudely referred to as "organs on parade"). Hundreds of new specimens were added to the formalin-fixed wet collection, and the glass jar medical museum was resurrected from the basement of the Medical Science Building and installed in the pathology lab space on the first floor, first in the south wing and later in the north wing student labs.

This definitely was not a time of political correctness and social constraint at the school. Silliness was allowed and enjoyed.



**AUSCULTATION:** Although an important examination technique, this will probably never surpass the popularity of osculation. Listen carefully for murmurs, gallops, rales, and things that go bump in the night. (*The Caduceus* 1977)

ing students learning physical examination technique à la the student pathology lab.

In 1977, the IUSM changed its grading policy from an A-F system to one consisting of the categories High Honors, Honors, Pass, and Fail. The category "Pass – remedial work required" was dropped. The department also taught pathology for Dental Students (Dr. Hubbard) and

Almost any page from *The Caduceus* (the medical school yearbook) in the 1970s will demonstrate the fact and give one the flavor of the era. For example, note the illustrations and captions show-



**PERCUSSION:** Great pathologists including Drs. Ginger Baker and Gene Krupa beat this into the ground. (*The Caduceus* 1977)

7. The secretary for the Pathology Education Office was Ms. Millicent Duckworth and then Mrs. Margie Amich. Arnette Billingsley maintained the teaching slides and case study files, and teaching Kodachrome slide collections. She helped Margie grade exams (by hand) and took attendance (of the instructors) in the labs. Randy Morgan and Guy Hanson from the UH-RH autopsy service set up the student lab exercises, maintained the gross specimens, mounted new museum specimens, and proctored exams.

Pathology for Allied Health Students (Dr. Warfel). The latter course had about 100 students from the cytology, medical records administration, physical therapy, and respiratory therapy programs. It consisted of thirty lecture hours and no lab.

In 1972-73, graduate courses in the Pathology Department are listed for the first time in the *IU Bulletins*. [Additional information about the graduate school is found elsewhere in the history.]



**Dr. Edwards at department Picnica 1978**

### The End of Edwards' Era

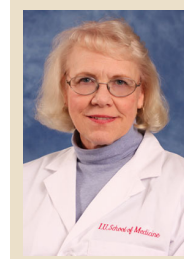
After a period of conflict amongst the anatomic pathologists during 1978, dean Steve Beering asked Dr. Nordschow to become acting chair of Anatomic Pathology.<sup>8</sup> Dr. Edwards stepped down from the chair of the Department of Pathology (anatomic pathology) and remained on the faculty, retiring as professor emeritus in 1984. ■

8. A group of AP faculty was very unhappy with the scheduling and support in University Hospital AP and asked Dr. Edwards to address needed reforms with Dr. Roth. Dispute also arose related to Dr. Seo's right to publish a case and over equal access in general to case materials for research purposes. Dr. Roth survived the episode, but Dr. Edwards lost his chair.

To be continued in the next issue of "Path to the Future"

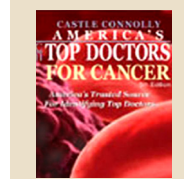
"Faculty Honors" continued from page 1

### Bernadette Rodak



Bernadette Rodak, MS, CLSpH (NCA), MT(ASCP)SH, professor of clinical laboratory science has been named editor-in-chief of Clinical Laboratory Science, the official journal of the American Society for Clinical Laboratory Science (ASCLS). Clinical Laboratory Science is a peer reviewed publication dedicated to expanding knowledge and communication among professionals in the field. Professor Rodak previously served as the editor of the clinical practice section of the journal, beginning in 2004. ■

### Dr. Ulbright Recognized by America's Top Doctors for Cancer



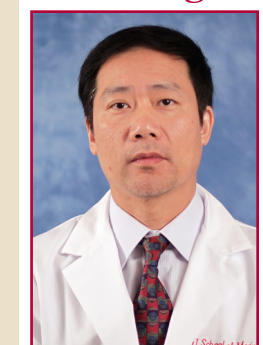
The latest edition of America's Top Doctors for Cancer recognized nineteen physicians from the Indiana University Melvin and Bren Simon Cancer Center as among the nation's most outstanding physicians for the diagnosis and treatment of cancer.



Included in this distinguished list is our own Dr. Thomas M. Ulbright, Lawrence M. Roth Professor of Pathology and director of the anatomic pathology division. Dr. Ulbright has been with the department since 1980. ■

## WELCOME NEW FACULTY

### Xiao-Ming Yin, MD, PhD,



was appointed the first Mazzi- ni Professor of Pathology in June 2010. In addition, he is the Vice Chair for Clinical Pathology and will transition

to Clarian Pathology Director of Laboratories.

Dr. Yin received his medical degree from Shanghai Medical University in China (1982) and then a masters of science in Immunology (1985). He completed a PhD in Immunology from the University of Texas Southwestern Medial Center in Dallas (1991). Next, at Washington University School of Medicine in St. Louis he worked as a post-doctoral fellow for several years, later he completed a residency in Clinical Pathology (1998). Dr. Yin is board certified in Clinical Pathology. Dr. Yin was a professor of pathology at the University of Pittsburgh School of Medicine before joining our faculty. At the University of Pittsburgh he served as the Associate Director of the Division of Molecular Diagnostics and the Medical Director of the University of Pittsburgh Medical Center's Clinical Laboratories for Life Care Hospital of Pittsburgh.

Dr. Yin is on the editorial board for the Journal of Biological Chemistry, Autophagy and Hepatology and was a member of the editorial board of World Journal of Gastroenterology from 2007 to 2009.

Dr. Yin has a research laboratory located in the IB building. His research is focused on explaining the molecular mechanisms of cell death and cell survival. Specifically, the research is in the context of cancer therapy, tissue injury and metabolic disturbances. ■

### Rebecca A. Marks, MD,

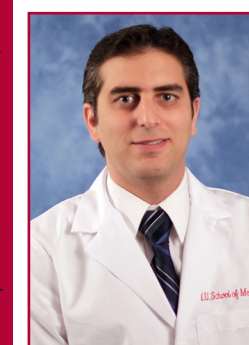


was appointed to an Assistant Professor position in the Anatomic Pathology Division in June 2010. Dr. Marks received her medical degree from Indiana University School of Medicine (IUSM) in

2005. Her senior year she was awarded the Carleton D. Nordschow Award for high standard of performance in the field of pathology. Dr. Marks continued at IUSM for her residency training in Anatomic and Clinical Pathology which she completed in 2009. During her last year of residency, she received the IUSM Department of Pathology Award of Excellence in Research. This summer Dr. Marks completed a fellowship in Cytopathology in our department.

Dr. Marks is board certified in Anatomic and Clinical Pathology and will take the Cytopathology boards in the fall. ■

### Mohammad A. Abuel-Haija, MBBS,



was appointed to an Assistant Professor position in the Hematopathology division in June 2010.

Dr. Abuel-Haija received his MBBS degree in Medicine and Surgery in 2002 from the University of Jordan School of Medicine in Amman, Jordan. In 2009 He completed his residency training in Anatomic and Clinical Pathology at Temple University Hospital in Philadelphia. This summer Dr. Abuel-Haija completed a fellowship in Hematopathology in our department.

Dr. Abuel-Haija is board certified in Anatomic and Clinical Pathology and will take the Hematopathology boards in the fall. ■



Drs. Yin, Marks, and Abuel-Haija pictured here at a New Faculty Reception held on August 5, 2010 in the Clarian Pathology Laboratory cafeteria.

## GIVING TO THE DEPARTMENT

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## IN MEMORY



**Dr. Michael A.  
Clark**  
1946 - 2010

Written By: John Pless

Dr. Michael Clark, professor of pathology, passed away February 26, 2010. He is survived by his wife Gerry Sullivan-Clark and two married daughters, as well as four grandchildren and eight nieces and nephews.

Born in 1946, Dr. Clark was a native of Columbus, Ohio and attended Ohio State University where he received a PhD in anatomy before he was admitted to medical school. Dr. Clark served in the Medical Corps of the US Navy for 16 years, earning the rank of Commander. While stationed at the Armed Forces Institute of Pathology, he was one of the first Directors of the Armed Forces Medical Examiner System in the mid 1980's.

In 1987 Dr. Clark joined the Division of Forensic Pathology at Indiana University School of Medicine

(IUSM) as an Associate Professor of Pathology and Medical Examiner for Central Indiana. He became a full professor in 1992. After retiring in 2002, he remained active in the department by participating regularly in sophomore pathology lab sessions with Dr. George Sandusky.

While at IUSM, Dr. Clark's research focused on the mechanisms of death, publishing a large series of death investigations that required exhumation. Dr. Clark also authored several articles important to the field of Forensic Pathology, including a study on hanging deaths in children that will always remain a classic paper.

His father was an early radio entertainer in Columbus who played the Theremin, which is an early electronic instrument with an eerie sound created by a frequency

oscillator. This may have forged Dr. Clark's extensive knowledge of early radio, film and television entertainers. He was a walking encyclopedia of information and you could always count on him for a funny story about famous people. He carried these early interests into his antique radio collection. He enjoyed acquiring and trading antique radios and was involved in the Indiana Historical Radio Society.

One of Dr. Clark's greatest personal achievements was his photograph that appeared on the cover of Nature Magazine. The photograph of the Lake Nyos Disaster was taken in August of 1986, when the lake suddenly emitted a large cloud of CO<sub>2</sub>.

Dr. Clark will be remembered by the people he trained at the Armed Forces Institute of Pathology and at IUSM. ■



## INDIANA UNIVERSITY

DEPARTMENT OF PATHOLOGY  
AND LABORATORY MEDICINE

School of Medicine

Van Nuys Medical Science Building  
Room A-128  
635 Barnhill Drive  
Indianapolis, IN 46202-5120



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