ASIP Weighs Pathology's Role in the New National Center for Advancing Translational Sciences

In April 2009, the National Institutes of Health's (NIH) Scientific Management Review Board (SMRB) held its first meeting. Composed of representatives from the NIH and the science community (see http://www.asip.org/paffairs/NIH-SMRBCompositionPressRelease(Sept2008).pdf), the SMRB was established by the NIH Reform Act of 2006 to advise appropriate Department of Health and Human Services (DHHS) and NIH officials on the use of its organizational authorities to:

- Establish/abolish national research institutes;
- Reorganize offices within the Office of the NIH Director; and
- Reorganize divisions, centers, or other administrative units within an NIH national institute or center.

In May 2010, newly installed NIH Director Francis Collins, MD, PhD requested the SMRB review and recommend to NIH how to integrate the numerous initiatives to translate basic research more rapidly into treatments and therapies. He noted that several components of the pipeline were already in place, such as:

- Molecular Libraries Initiative, including the NIH Chemical Genomics Center
- PubChem database
- Therapeutics for Rare and Neglected Diseases Program (TRND)
- Rapid Access to Interventional Development (RAID) Program
- NIH Clinical Center
- Clinical and Translational Science Awards (CTSAs)

At that time, Dr. Collins also acknowledged the potential role of the newly formed NIH-Food and Drug Administration (FDA) Joint Leadership Council (see http://www.nih.gov/news/health/feb2010/od-24.htm), as well as the potential impact of the Cures Acceleration Network (CAN), a competitive grant program at the NIH, which was authorized by Congress in healthcare reform legislation at $500 million (see http://www.asip.org/paffairs/CANLegislation(2009).pdf). He also noted reduced investments in research and development at pharmaceutical and biotechnology firms and the growing interest and expertise by academic institutions in assay development and high through-put screening.

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ASIP 2011 Elections

VOTE EARLY BUT NOT OFTEN!

Regular members are eligible to vote and should have received an email notice with information on how to vote online. If you did not receive the email, please contact asip@asip.org.

Deadline to Vote: February 23, 2011

Vice President (vote for one)
James M. Musser, MD, PhD
Dani S. Zander, MD

Program Chair-elect (vote for one)
Francis W. (Bill) Luscinskas, PhD
Monte S. Willis, MD, PhD

Councilor-at-Large (vote for two)
Meera R. Hameed, MD
David N. Louis, MD
Satdarshan (Paul) Singh Monga, MD
Daniel G. Remick, MD

Meritorious Award Committee member (vote for two)
Anindya Dutta, MBBS, PhD
Mel B. Feany, MD, PhD
Stephen C. Peiper, MD
Gregory J. Tsongalis, PhD, HCLD, FACB

Nominating Committee member (vote for two)
Stanley Cohen, MD
Maria J. Merino, MD
William A. Muller, MD, PhD
Jacob J. ("JJ") Steinberg, MD

ASIP Members!

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Login to the ASIP members-only section and renew your annual dues for 2011. Click on the “Renew Dues Online” tab in the right column of the ASIP home page at www.asip.org
ASIP Weighs Pathology’s Role in the New National Center for Advancing Translational Sciences
(Continued from page 1)

In November 2010, the Translational Medicine and Therapeutics (TMAT) Working Group - a public-private group constituted from the SMRB and chaired by Arthur Rubenstein, MBCh, Dean of the University of Pennsylvania School of Medicine - reported its major findings and recommendations. The specific charge of the Working Group was to identify the attributes, activities, and functional capabilities of an effective translational medicine program for advancing therapeutics development; to broadly assess, from a high-level view, the NIH landscape for extant programs, networks, and centers for inclusion in this program and recommend their optimal organization; and in addressing its charge, to consider how the Department of Health and Human Services could leverage and organize a wide range of existing NIH resources and efficiently implement the CAN, assuming funds are appropriated for it.

In executing its charge, the TMAT Working Group considered current NIH-supported infrastructure, initiatives, and resources with direct relevance to the therapeutics development pipeline; methods to syneritize, and avoid competition with, resources in the private sector; prior recommendations for strengthening the clinical and translational research enterprise at NIH, including recommendations of the IOM, and relevant lessons learned from industry, academia, non-profit organizations, etc.; and metrics and methodologies that could be used for evaluating the impact of changes in the organization and management of the therapeutic development program. See the complete TMAT Working Group presentation of its findings at http://www.asip.org/paffairs /TMATPresentationNov2010.pdf.

The principle recommendation of the TMAT Working Group was a proposal to create a National Center for Advancing Translational Sciences (NCATS), which would combine several existing programs, have a budget of at least $650 Million, and an objective of being operational by October 2011. Since NIH has reached its legal limit of 27 institutes and centers, and the merger of the National Institute on Drug Abuse and National Institute on Alcohol Abuse and Alcoholism is not expected to happen until 2013, substantial reorganization of the National Center for Research Resources (NCRR) is anticipated to realize the proposed new NCATS.

According to answers to frequently asked questions about the NCATS (see http://feedback.nih.gov/index.php/ncats/faqs-ncats/), the functions and activities of the proposed Center would include:

- providing a visible, central locus for access to resources, tools, and expertise related to translational medicine;
- streamlining and improving the process of therapeutics development;
- serving as a catalyst, resource, and convener for collaborative interactions by supporting novel and innovative partnerships between multiple key stakeholders, including academia, government, industry, venture capitalists, and non-profit organizations;
- expanding the pre-competitive space by, among other things, enabling and providing incentives for greater sharing of scientific information and publication of negative results;
- supporting and strengthening translational medicine and therapeutics research, including providing access to services and resources for high-throughput screening, assay development, medicinal chemistry, and preclinical modeling;
- training translational research investigators; and
- enhancing communication among all stakeholders.

The proposed Center would be formed initially by integrating selected translational research programs now located within the NCRR, as well as the National Human Genome Research Institute (NHGRI), and the NIH Director’s Common Fund. For example, the Clinical and Translational Science Awards (CTSA) program in NCRR would be included. Although the NCRR would likely be substantially reorganized, Dr. Collins states there are no plans to eliminate any of its programs.

To guide this major realignment of resources within NIH, Dr. Collins charged NIH Principal Deputy Director Lawrence A. Tabak, DDS, PhD, and National Institute of Child Health and Human Development Director Alan E. Guttmacher, MD, with heading a task force of NIH scientific experts. The task force will review existing programs recommended for inclusion in the new Center, assess the impact of the new Center on other relevant NIH programs (including those currently within the NCRR), and develop an implementation plan for establishing the new Center. More details about the task force’s activities and timeline are expected soon, with formal reporting in Spring 2011.

In a recent article in Nature magazine (Vol. 468, p. 877), Dr. Collins commented, “I think some basic scientists will be quite excited about the opportunity to be more connected with the clinical benefits of their own discoveries.” He further pointed to the national budgetary concerns as the probable driver of the push for more clinically relevant results in NIH research. Collins said, “...we should all be anxious about the overall budget right now with the expectation that dollars for biomedical research are going to be very hard to come by in the next year or two.” In his Nature interview, Dr. Collins cited “a recent deluge of discoveries about the molecular pathogenesis of disease” and developments in molecular diagnostics as the key to new therapeutics.

ASIP supports concerns expressed by the Federation of American Societies for Experimental Biology in their December 6th letter to the SMRB (see http://www.asip.org/paffairs/FASEB_TMAT_ Letter_120610.pdf). However, ASIP is looking down the road to almost inevitable outcomes and hopes to catalyze these organizational changes into opportunities for Pathology to play a key role in advancing translational research. To that end, we urgently encourage ASIP members to consider how best to engage Pathology in NCATS or in educational endeavors supporting the development of basic scientists into clinical researchers. If you have ideas you believe could be advanced through the resources of ASIP or if you simply want to be involved in as ASIP becomes engaged with the new NCATS center, please email your comments and contact information to asip@asip.org by February 28, 2011.
Dr. McDonald's research activities include understanding and characterizing basic mechanisms of bone resorption, cellular pathogenesis of AIDS, and cancer pathogenesis. More specifically, Dr. McDonald has studied the role of calcium, the calcium receptor protein calmodulin, and related protein kinases and phosphatases in osteoporosis and metabolic bone disease. In addition, he has explored the pathogenesis of apoptosis and bone loss in AIDS, and malignant transformation, tumorigenesis, and apoptosis of cancer cells. Dr. McDonald has utilized a combination of biochemistry, cell biology, and molecular biology techniques to elucidate the critical signal transduction pathways involved in each of the diseases with the ultimate goal of modulating key signal transduction pathways as potential new avenues for therapy.

Dr. McDonald has been Director of the UAB Center for Metabolic Bone Disease for numerous years. The Center is internationally recognized, and Dr. McDonald has "masterfully integrated clinical medicine and research, as exemplified by the bone center," according to Dr. David Wilkinson of Virginia Commonwealth University's Department of Pathology.

As explained by Dr. Peter Ward of the University of Michigan Medical School, Dr. McDonald is "an extraordinarily gifted teacher and holds medical students, graduate students, postdoctoral fellows and others to the highest standards and works tirelessly to help each individual to achieve his or her full potential." Dr. Ward goes on to describe Dr. McDonald's teaching style as down-to-earth and straightforward, and his clinical activities management as exemplary.

Dr. Kevin Roth, current Chair of Pathology at UAB, makes several comments regarding Dr. McDonald's career that reflect his "character and passion for the field of Pathology." These observations include Dr. McDonald's mentorship of academic pathologists, his commitment to institutional excellence, and his devotion to pathology scholarship via his tenure as Editor-in-Chief of The American Journal of Pathology.

Dr. Roth also notes that Dr. McDonald's influence on the UAB Department of Pathology was "incredible." During his chairmanship from 1990-2008, the department "arose out of relative obscurity to become one of the leading departments of pathology in the country," due to Dr. McDonald's "drive and vision put into practice," setting forth an "example of the impact an effective Chairperson can have..." While the number of faculty increased significantly, the department also went from having only a handful of NIH grants to ranking in the top ten Departments of Pathology for NIH funding. The graduate program is the largest and one of the highest-ranked programs in the country as well. According to Dr. Roth, "none of this would have been accomplished without Jay's intense focus on academic excellence and his untrusting efforts to recruit and retain outstanding students, staff, residents, and faculty. Jay McDonald was a transformative figure in the history of the School of Medicine at UAB." As stated by Dr. Bruce Alexander of UAB, Dr. McDonald "has created a considerable research presence in academic Pathology," and "is truly a leader in Pathology administration, service, education, and research."

As Editor-in-Chief of The American Journal of Pathology from 2003-2008, Dr. McDonald put forth outstanding effort in a demanding position. He instituted many new features and policies, raised publication standards, expanded the range of publications, and strengthened the editorial board, all serving to progressively improve the Journal's impact factor, and increase the journal's visibility and prestige.

Dr. McDonald received his MD (with distinction) in 1969 from Wayne State University. After completing a medical internship at University of Oregon Medical School and a Pathology residency at Wayne State University and Detroit Affiliated Hospitals, he completed postdoctoral training at Washington University School of Medicine, where he joined the faculty from 1976-1990. Dr. McDonald was then appointed Chair of the Department of Pathology at University of Alabama at Birmingham (1990-2008). He is currently Director of the UAB Center for Metabolic Bone Disease.

Dr. McDonald will receive the Gold-Headed Cane, a mahogany cane with a 14-karat gold head and engraved band, at the ASIP Annual Meeting in Washington, DC on Monday, April 11, 2011 during the ASIP Awards Presentation and Membership Business Meeting.

ASIP to Honor Rakesh K. Jain, PhD with the Rous-Whipple Award

The Rous-Whipple award is presented to a senior scientist with a distinguished career in research who has advanced the understanding of disease and has continued productivity at the time of this award. Dr. Rakesh Jain of Massachusetts General Hospital is one of two 2011 recipients of this honor, along with Dr. Jordan Pober.

Dr. Jain's research career is focused on understanding the role of the tumor microenvironment, including the tumor vasculature in tumor growth and response to therapy, developing novel strategies to manipulate the tumor microenvironment, and translating these strategies into improved cancer detection, prevention and
Dr. Pober's research career is focused with two 2011 recipients of this honor, along with the understanding of disease and has continued productivity at the time of this award. **Dr. Jordan Pober** of Yale University School of Medicine is one of two 2011 recipients of this honor, along with **Dr. Rakesh Jain**.

Dr. Jain's lab has developed an array of imaging technologies, mathematical models, and animal preparations providing powerful molecular, cellular, anatomical, and functional insights into the barriers to cancer treatment. Dr. Jain describes his lab as truly multidisciplinary, spanning expertise in molecular and cellular biology, physiology, bioengineering, optics, and mathematics to radiation, and medical and surgical oncology.

According to Dr. Jay Loeffler, Harvard Medical School/Massachusetts General Hospital, Dr. Jain's "capacity to integrate knowledge from physiology, pathology, immunology, molecular biology, bioengineering, and mathematics and his ability to successfully collaborate with his clinical colleagues are central to his uniquely multidisciplinary approach to tumor pathophysiology." Dr. Loeffler goes on to say that Dr. Jain, through "his innovative technology and creatively designed model systems," has facilitated and enabled much progress in this field.

**Dr. Harold Dvorak** of Beth Israel Deaconess Medical Center commends Dr. Jain as "an outstanding experimental pathologist working in the field of vascular and cancer biology. His unique background in bioengineering, mathematics, molecular biology and physiology has allowed him to conduct research in tumor biology with a truly multidisciplinary approach. He also brings a high level of energy and integrity to our field and I expect him to continue on this trajectory for many years to come."

Dr. Jain received his PhD (Chemical Engineering) from University of Delaware in 1976. He is currently the Andrew Werk Cook Professor of Tumor Biology at Harvard Medical School and the Director of the Edwin L. Steele Laboratory at the Massachusetts General Hospital.

Dr. Jain will present his award lecture on "Normalizing Tumor Vessels and Microenvironment for Cancer Treatment: From Bench to Bedside to Biomarkers" on Tuesday, April 12, 2011 at the ASIP Annual Meeting in Washington, DC. He will receive the Rous-Whipple Award on Monday, April 11, 2011 during the ASIP Awards Presentation and Membership Business Meeting.

**ASIP to Honor Jordan S. Pober, MD, PhD with the Rous-Whipple Award**

The Rous-Whipple award is presented to a senior scientist with a distinguished career in research who has advanced the understanding of disease and has continued productivity at the time of this award. **Dr. Jordan Pober** of Yale University School of Medicine is one of two 2011 recipients of this honor, along with **Dr. Rakesh Jain**.

Dr. Pober's research career is focused on several related research problems addressing the immunobiology of vascular endothelium. First, Dr. Pober studies how endothelial cells may promote the recruitment, activation and differentiation of T cells by presenting antigens. A major focus of this work is the identity of the molecules that endothelial cells use to provide costimulation. Second, Dr. Pober studies how endothelial cells respond to cytokines such as TNF and acquire the capacity to recruit and activate inflammatory effector cells. A major focus of this work is the regulation of adhesion molecule expression. Third, Dr. Pober studies how immune effector cells and molecules injure endothelial cells and how endothelial cells resist immune-mediated injury. Many of these processes are studied in the context of the host response to vascularized allografts or xenografts, and a major overall goal of this work is to develop strategies to improve clinical transplantation.

**Dr. Michael Gimbrone** of Harvard Medical School/Brigham and Women's Hospital says of Dr. Pober that, "In my estimation, there are few people in the world of Vascular Biology who can compare - in terms of the depth and breadth of their scientific accomplishments, a passion for understanding of the mechanisms of human disease, and a sustained commitment to transmitting this enthusiasm to the next generation of experimental pathologists."

According to **Dr. Peter Ward** of University of Michigan Medical School, Dr. Pober "has mentored many postdoctoral fellows and has provided important guidance to them in their investigative careers as well as emphasizing to them the clinical correlates of basic lessons learned in the field of vascular biology. In this respect, (he) has been uniquely able to bridge basic science research and translational research as related to vascular biological processes in human diseases."

Dr. Pober received MD and PhD degrees from Yale University in 1977 and is currently Professor of Immunobiology, Pathology and Dermatology, and Vice-Chair, Department of Immunobiology/Section of Human and Translational Immunology, at Yale University.

Dr. Pober will present his award lecture on "Interactions Between the Vascular and Immune Systems" on Saturday, April 9, 2011 at the ASIP Annual Meeting in Washington, DC. He will receive the Rous-Whipple Award on Monday, April 11, 2011 during the ASIP Awards Presentation and Membership Business Meeting.

**Mark A. Smith, PhD, Recipient of the 2011 Outstanding Investigator Award**

**Dr. Xiongwei Zhu to Present a Lecture in Honor of Dr. Smith on April 11, 2011**

The ASIP community was deeply saddened to learn of the unexpected death of **Dr. Mark Smith** on December 19, 2010. Dr. Smith, Professor of Pathology at Case Western Reserve University, was selected by the ASIP Meritorious Awards Committee last year to be the recipient of the 2011 Outstanding Investigator Award. This prestigious award recognizes mid-career investigators with demonstrated excellence in research in experimental pathology.

Dr. Smith's research centered on investigating the pathological mechanisms underlying selective neuronal death in neurodegenerative diseases such as Alzheimer's disease. His research involved a variety of techniques ranging from histological to molecular biology to cellular models, and...
Dr. Avrum I. Gotlieb, MD CM FRCPC to Receive the 2011 ASIP Robbins Distinguished Educator Award

In his nomination letter, Dr. Michael Lamm of Case Western Reserve University stressed that Dr. Smith was recognized nationally and internationally as a leader in Alzheimer disease research. Further, he felt that "From day one, Mark instigated and has since directed a number of novel directions in Alzheimer disease research, including investigations of oxidative stress mechanisms and cell cycle dysregulation. These efforts have led to a noteworthy publication record that has attracted numerous citations with a high impact factor, which I believe is an impressive achievement for a relatively young scientist."

Dr. Michael Hart of University of Wisconsin stated that Dr. Smith's "great enthusiasm, ingenuity and capacity for hard work has allowed him to not only become exceptionally well-funded as a principal investigator but also has made him much in demand as a collaborator on program projects or as a co-investigator on grants. He has also taken on a host of teaching responsibilities for graduate students as well as in the School of Medicine. His ability as a teacher and mentor is best seen by the quality of student that he attracts and the success that they have throughout their course of study."

Upon joining Case Western Reserve University in 1992, Dr. Smith became Professor of Pathology and Director of Basic Science Research of the University Memory and Cognition Center. Dr. Smith obtained his BSc with Honors in Molecular Biology and Biochemistry from Hatfield College, Durham University, England. He received his PhD in Biochemistry from Nottingham University, England. Dr. Smith was Editor-in-Chief of the Journal of Alzheimer's Disease.

Case Western Reserve University has established the Mark A. Smith Scholarship Fund in Dr. Smith's honor. Information about donations is available at www.j-alz.com/marksmith.html.

Dr. Smith's close colleague and collaborator Xiongwei Zhu, PhD, will present a lecture in Dr. Smith's honor on Monday, April 11, 2011 at the ASIP Annual Meeting in Washington, DC. The Outstanding Investigator Award will be presented posthumously later in the day at the ASIP Awards Presentation and Membership Business Meeting.

Dr. Avrum I. Gotlieb, MD CM FRCPC to Receive the 2011 ASIP Robbins Distinguished Educator Award

The Robbins Distinguished Educator Award is named in honor of Dr. Stanley Robbins (1915-2003), formerly of Boston University and Brigham and Women's Hospital. Dr. Robbins was a pioneer of pathology education and a member of ASIP for over 50 years. This award, partially supported by an unrestricted educational grant from Elsevier, an ASIP Corporate Partner, recognizes individuals whose contributions to education in pathology have had a manifest impact at a regional, national, or international level. Dr. Avrum Gotlieb, former Chair of the Department of Laboratory Medicine and Pathobiology at University of Toronto (1997-2008), is the 2011 recipient of this award.

Dr. Gotlieb's research focuses on in vitro studies on endothelial injury and repair directed at understanding how the cell cytoskeleton regulates cell migration, and how various growth factors and cytokines modulate both migration and proliferation related to repair. Studies include the pathogenesis of intimal hyperplasia, a lesion that predisposes to fibrofatty plaque formation; and the role of growth factors, cytokines, and proteinases on intimal hyperplasia. Separate studies on the cell biology of cardiac valve focused on the role of interstitial valvular cells in maintaining the structure and function of heart valves, and interstitial cell function related to repair and cell heterogeneity.

As stated by Dr. D.S.R. Sarma of University of Toronto, Dr. Gotlieb has served the Department of Laboratory Medicine and Pathobiology with an intense passion for education, and has nurtured and developed one of the strongest graduate programs in North America, designed innovative educational platforms for undergraduates, and has dedicated himself to excellence in teaching and administrative leadership.

According to Dr. Harry Elsholtz of University of Toronto, "Given the size and complexity of education programs in LMP (Laboratory Medicine and Pathobiology), their success depends on a Chair who fully understands and appreciates education at multiple levels, whether basic, clinical, undergraduate or post-doctoral." Also important is a Chair who implements recruitment of top students, appoints outstanding faculty, and ensures "that the quality of education at each level is second to none." Dr. Elsholtz states that Dr. Gotlieb "has exceeded expectations in each of these requirements" by "demonstrating leadership and vision."

Dr. Myron Cybulsky of University of Toronto applauds Dr. Gotlieb for being "dedicated to excellence in teaching in the field of pathobiology and laboratory medicine. His initiatives in education at the undergraduate, graduate and postgraduate levels have and will continue to have a significant positive impact in this field."

Dr. Gotlieb received his MDCM (MD equivalent) from McGill University in 1971. He completed his postgraduate medical and research training at Royal Victoria Hospital-Montreal, McGill University, and University of California-San Diego. He became a Fellow of the Royal College of Physicians and Surgeons of Canada in 1975 and a Diplomate of the American Board of Pathology in 1976. Dr. Gotlieb became Assistant Professor at University of Toronto in 1978, and then rose through the ranks to become Chair of the Department of Laboratory Medicine and Pathobiology from 1997-2008.

Dr. Gotlieb has received several Teaching Awards, including the J.B. Walter Award (1991 and 2004), the W.T. Aikins Award (1992 and 2004), the Excellence in Teaching Award (1994) during his tenure at the University of Toronto/Toronto Hospital. He authored the widely-disseminated informative career guide booklet, "The Road to Becoming a Biomedical Physician Scientist in Pathology and Laboratory Medicine," sponsored by
the American Society of Investigative Pathology and the Department of Laboratory Medicine & Pathobiology, University of Toronto, and in 2009 co-authored (with Dr. Tara Sander) a second career guide booklet for ASIP, "Journey to Success: Career Pathways for Biomedical Scientists in Pathology and Laboratory Medicine."

Among his many accomplishments, Dr. Gotlieb was President of the American Society of Investigative Pathology (2001-2002) and President of the Society for Cardiovascular Pathology (1997-1999) and was the Vice President for Science Policy of the Federation of American Societies for Experimental Biology (FASEB) from 2008-2009. He was elected as a Fellow of the Canadian Academy of Health Sciences in 2006. He has been the Co-Editor-in-Chief of The American Journal of Cardiovascular Pathology since 2002 and has served as Associate Editor of The American Journal of Pathology. Dr. Gotlieb also edited the comprehensive textbook, "Cardiovascular Pathology."

Dr. Gotlieb will receive the Robbins Distinguished Educator Award at the ASIP Annual Meeting in Washington, DC on Monday, April 11, 2011 during the ASIP Awards Presentation and Membership Business Meeting.

Monte S. Willis, MD, PhD Awarded the 2011 Cotran Early Career Investigator Award

The Cotran Early Career Investigator Award recognizes early career investigators who have recently established independence and whose research focus leads to an improved understanding of the conceptual basis of disease. The award is named in honor of Dr. Ramzi S. Cotran (1933-2000), a leader of pathology, formerly of Harvard Medical School and Brigham and Women's Hospital, and a Past President of ASIP. The Cotran Early Career Investigator Award is partially supported by an unrestricted educational grant from Elsevier, an ASIP Corporate Partner. The 2011 recipient of this award is Monte S. Willis, MD, PhD, of the University of North Carolina, Chapel Hill.

Dr. Willis is interested in the role of the ubiquitin-proteasome system in regulating molecular mechanisms of cardiac disease. He completed postdoctoral training in the laboratory of Dr. Cam Patterson, Director of the UNC McAllister Heart Institute. As stated by Dr. Patterson, Dr. Willis "picked up several projects investigating the role of ubiquitin ligases in animal models of cardiac disease, extending our laboratory's in vitro findings. Since this time, Dr. Willis has established the role of the muscle specific ubiquitin ligases MuRF1 (and atrogin-1) in cardiac hypertrophy, cardiac atrophy, cardiac ischemia/reperfusion injury, and in several aspects of cardiac metabolism in vivo. While his initial studies were initially under my close mentorship he has independently developed additional areas of focus mainly in cardiac metabolism, which he has independently driven and published as the senior and corresponding author. His independence is further evidenced by grant awards by the American Heart Association...and the Children's Cardiomyopathy Foundation."

Dr. William Coleman of University of North Carolina explains that Dr. Willis, as a "well-funded and accomplished basic science researcher" has made significant contributions to his field while becoming an "effective and engaged member of the American Society for Investigative Pathology, and a valued member of the larger scientific community." In addition, Dr. Willis was praised by Dr. Lucie Carrier, University of Hamburg, for his "thoughtfulness, thoroughness, and dependability as a scientific collaborator."

Satarshan (Paul) S. Monga of University of Pittsburgh describes Dr. Willis as having "an exceptional, sterling track record as a clinician-scientist...a leader in academic pathology, translational science, and in the development of students of all levels through mentoring and teaching."

Dr. Willis received his MD, PhD from the University of Nebraska Medical Center in 2001. After completing postdoctoral training and residencies at University of Texas Southwestern Medical Center and University of North Carolina, he rose to Assistant Professor at UNC in 2005 as well as Director of Sweat Chloride Testing and Assistant Director of Clinical Core (Chemistry) Laboratory in 2006.

Dr. Willis will present his award lecture "Muscle Ring Finger 1 (MuRF1) Regulation of Cardiac Hypertrophy, Energy Metabolism, and Mitochondrial Function" on Tuesday, April 12, 2011 at the ASIP Annual Meeting in Washington, DC. He will receive the Cotran Early Career Investigator Award on Monday, April 11, 2011 during the ASIP Awards Presentation and Membership Business Meeting.

Cecelia C. Yates, PhD, 2011 Recipient of ASIP Excellence in Science Award

The ASIP Excellence in Science Award recognizes outstanding achievement at the earliest stages of a career in biomedical research. Accomplishments include, but are not limited to, publications and presentations as well as volunteer service to the ASIP or other professional societies, institutional committees, and the pathology community. This award is funded through the generous support of the A.D. Sobel-ASIP Education Fund. Dr. Cecelia Yates is the recipient of the 2011 award.

Dr. Yates received her PhD from Tuskegee University, performing her thesis work in conjunction with the Cellular and Molecular Pathology Program at the University of Pittsburgh. Dr. Yates has been recognized through the "Experimental Pathologist in Graduate Training" award she received in 2008, as well as through other training and travel awards from the ASIP and the Wound Healing Society.

According to Dr. Alan Wells of University of Pittsburgh, "Dr. Yates is a young, innovative and aggressive but thoughtful trainee who will become a productive independent scientist (Continued on page 11 - Yates)
As previously announced, in January we moved the publication of *The American Journal of Pathology* (AJP) and *The Journal of Molecular Diagnostics* (JMD) to Elsevier. As I write this, we are in the final stages of implementation of the transition of the online Journals from HighWire to the Elsevier online platforms (HealthConnect and ScienceDirect), and the Journal Editorial Office in Bethesda is proofing final galleys for the February issue of AJP and working on author proofs for the March issues of both journals to prepare them for print and online publication. Editorials in the January issues of AJP and JMD have explained the rationale for ASIP’s decision to move post-production services from self-publishing to managed publishing by Elsevier. The purpose of this article is to provide our members, authors, and readers with answers to Frequently Asked Questions about what this means, and how they can best interact with the Journals and ASIP. Please see the companion article on the ASIP 2011 Journal CME Programs (page 9) for information about changes and increased flexibility in these educational programs.

**What does self-publishing mean and what control does ASIP lose, if any, by moving away from self-publishing to managed publishing?** The AJP has been self-published by ASIP since 1992. (Prior to that it was published by the commercial publisher J.B. Lippincott Co.) JMD has been self-published by ASIP with AMP since its inception in 1998. Under self-publishing, ASIP has been responsible for all aspects of publishing the Journals, from selection of the Editor-in-Chief and Editorial Board, manuscript submission and review, formatting and copy-editing of accepted articles, development and maintaining adherence to scientific integrity policies, to post-production services such as registering the copyright of all articles and granting copyright releases, maintaining an archive of print and online journals, printing and shipping journals, development and maintenance of the online journal websites, and marketing, including advertising and subscriptions. Although we self-published, we contracted with various vendors to provide specific services. For example, we contracted with Cadmus (Cveneo) for our manuscript submission and review system (RapidReview). Cadmus also provided copy-editing and formatting, printing, and shipping of journals to our subscribers, and billed authors for page charges on our behalf. We contracted with HighWire as our online publisher. (In addition, for the past several years, our Journals have been affiliated with PubMed Central, which is a mirror online repository for articles after they have passed an embargo period of one year from publication.) We contracted with other vendors for managing institutional subscriptions, although we handled all member subscriptions in our own office. The contract with Elsevier continues editorial control and all pre-production services with ASIP. ASIP continues to maintain complete autonomy regarding editorial policy, peer review, and selection of the Editor-in-Chief and the Editorial Board. For the foreseeable future, we will continue to utilize Cadmus’ RapidReview system (and not Elsevier’s platform, based on Editorial Manager) for manuscript submission and review. However, after acceptance of an article most functions will now be the responsibility of Elsevier, including article composition, copy-editing and formatting (according to ASIP-directed style guidelines), printing, online production on Elsevier online platforms (instead of HighWire), shipping of journals, billing authors for page charges (at Society-established rates) and marketing (advertising, institutional sales). Elsevier will also manage ASIP institutional subscriptions for us, as well as mailing of member copies. In summary, as our new publisher, Elsevier is taking over responsibility for post-production services that ASIP had been contracting out to other vendors over the past 18 years.

**Who owns the journal(s)?** ASIP continues to be the owner of AJP. ASIP and AMP continue to be the co-owners of JMD. Elsevier, as the publisher, provides the published end-product but does not own our journals.

**Who will hold the copyright on published articles?** ASIP remains the copyright holder for articles published by Elsevier in AJP; ASIP and AMP remain co-copyright holders for articles published in JMD. Elsevier will register copyrights on our behalf, and will administer permissions requests per ASIP and AMP copyright policy. Note that the Societies retain copyright policies regarding reuse that differ somewhat from Elsevier’s “standard” policies.

**What does managed publishing mean?** Managed publishing is an arrangement between the owner of a journal (ASIP for AJP, ASIP and AMP for JMD) and a commercial publisher to provide certain services. In our case, Elsevier will be our managed publisher and will provide post-production services according to specifications outlined in our contract with Elsevier.

**How should I submit my manuscripts?** There is no change in the manuscript submission process. We are continuing to use RapidReview for online submission of manuscripts. New and revised manuscripts should be submitted online at [https://www.rapidreview.com/ASIP2CALogon.jsp](https://www.rapidreview.com/ASIP2CALogon.jsp). We have not changed the manuscript submission fee or the way in which it is collected. However, unrelated to the transition to Elsevier post-production publication services, RapidReview was upgraded in November to improve the author experience. Please note that submitting authors are now required to submit conflict of interest disclosure information for each co-author as part of the submission process.

**Will the editorial review process change?** No. The editorial decision process remains with the Editor-in-Chief of the journal(s) and Associate Editors. We will continue to seek expert review from experienced external reviewers to assist in this process. The editorial management and review process of the
Will author costs of publishing change?  No. Author costs of publishing will remain the same as they were in 2010. ASIP has periodically reviewed the charges for various aspects of publishing articles, including page charges, black & white or color figures, tables, supplemental information, and we may do so in the future, but there will be no change in author costs in 2011.

Will corresponding authors of articles submitted to AJP and/or JMD who are ASIP members in good standing at the time of submission continue to receive a rebate on the cost of the first color figure? Yes. ASIP will continue to support a rebate of charges (value of $550) for the first color figure of an accepted article in AJP or JMD if the corresponding author is a member in good standing at the time of submission of the original article.

How will I review proofs of my accepted article? Proofs will be provided by Elsevier via Cadmus Communications (Cenveo) via email for download as in the past. The instructions will be slightly different than before since Elsevier uses a different department within Cadmus. Follow the instructions provided in the email for making corrections and returning your corrected pages.

After I return my author proofs, will my article be available online as "publish ahead of print"? Author-proofed galleys will continue to be published online ahead of print on the journal websites on the HealthConnect platform; however, they will no longer be designated as "AJP Fastpath" and "JMDxpress."; both programs will simply be identified as Articles in Press. Please note that due to time pressures of the transition, prepublication of articles in the early issues of 2011 has been delayed, but we expect to be fully operational by April.

How will my article be published? The AJP will remain online and in print form at the same high quality you have come to expect. However, the online AJP (http://ajp.amjpathol.org) and the online JMD (http://jmd.amjpathol.org) will no longer be housed on HighWire and instead will be located within Elsevier’s HealthConnect platform with a new website appearance and, over the next few months, enhanced capabilities.

Will the Journals continue to be compliant with the deposit requirements of governmental funding agencies such as NIH, HHMI, Wellcome Trust, and MRC? Yes. The Journals will continue to deposit final published articles funded by NIH, HHMI, Wellcome Trust, and MRC in PubMed Central in compliance with each funding agency’s requirements.

Will each co-author continue to receive an electronic PDF after publication of their article? Yes. ASIP will continue to provide an ePDF to each co-author of a published article.

References:

Increased Flexibility in the ASIP Journal CME/SAM Programs in 2011

The transition to Elsevier publishing has provided ASIP with the opportunity to revise and improve our Journal CME programs for participating readers of AJP and JMD; the improvements in the Journal CME programs are outlined below. The three major changes that we have introduced this year are that (1) although the Journal CME program is accredited as an annual program, it is now possible to receive credit for successfully completing an exam for each individual issue; (2) the online examinations will be housed on a different website that will provide CME certificates upon successful completion of each monthly (or bimonthly) examination; and (3) the annual subscription price of the ASIP 2011 AJP CME Program in Pathogenesis for ASIP members has been reduced to $50 (the price of the ASIP 2011 JMD CME Program in Molecular Diagnostics for ASIP and Association for Molecular Pathology (AMP) members continues to be discounted to $150).

What are the Journal CME Programs? There are two separate journal CME programs; each is ACCME-accredited, with FASEB serving as the accredited provider and ASIP as co-sponsor. The ASIP 2011 AJP CME Program in Pathogenesis is an annual program consisting of a series of 50 questions based on selected articles in the 2011 issues (Volumes 178 and 179) of The American Journal of Pathology. The ASIP 2011 JMD CME Program in Molecular Diagnostics is an annual program consisting of a series of 50 questions based on selected articles in the 2011 issues (Volume 13) of The Journal of Molecular Diagnostics. To participate in either program, you must subscribe to the specific journal CME program, and follow the instructions sent to you by the ASIP Education Office to register on the Journal CME website to gain access to the exam questions.

Are the Journal CME Programs recognized by the American Board of Pathology (ABP) for SAM credit? Yes. Each Journal CME Program is eligible for up to 50 SAM credits. The ASIP is a Cooperating Society of the ABP and provides electronic verification of CME and SAM credits to the Board for its participating Diplomates.

What is SAM? SAM refers to a Self Assessment Module for online learning in an ACCME-accredited CME program. Successful completion of an

(Continued on page 10)
Increased Flexibility in the ASIP Journal CME/SAM Programs in 2011

(Continued from page 9)

online exam is an essential requirement for receiving SAM credit. More information about SAMs is available on the ABP website at [www.abpath.org](http://www.abpath.org).

- **What is new about the Journal CME programs in 2011?** In the first five years of the journal CME programs, it was necessary to correctly answer 75% of the annual questions to receive any CME credit. The most important change in the Journal CME programs this year is that now credit can be achieved for each issue of the journal by correctly answering 75% of the questions for a particular issue of the journal. Therefore, it is possible to receive CME credit for some but not all of the issues in the annual program, making the program more flexible.

- **How can I participate in the AJP CME Program in Pathogenesis or the JMD CME Program in Molecular Diagnostics?** First you must subscribe to the annual Journal CME Program. You may subscribe online or you may download a Journal CME Subscription Form from the ASIP website at [www.asip.org/CME/journalCME.htm](http://www.asip.org/CME/journalCME.htm) and mail or fax the form and your CME subscription fee to the ASIP CME Office. Subscription forms are also available from the ASIP CME Office, 9650 Rockville Pike, Bethesda, MD 20814-3993; Tel: 301-634-7130; email [JournalCME@asip.org](mailto:JournalCME@asip.org). The AJP CME Subscription Fee is $50 for ASIP members and $225 for nonmembers. The JMD CME Subscription Fee is $150 for ASIP and AMP members and $225 for nonmembers. After your CME subscription has been processed by the ASIP CME Office, you will receive information about how to register for accessing the CME exams on the journal website ([http://ajp.amjpathol.org for AJP](http://ajp.amjpathol.org) or [http://jmd.amjpathol.org for JMD](http://jmd.amjpathol.org)). Please allow 5 days for ASIP to process your Journal CME Subscription, and 5 days for Elsevier to process your registration information before attempting to access the journal CME exams. CME credits will be earned by successfully completing CME exams that will test your knowledge of reading selected articles in an issue of the Journal.

- **I am subscribed to the ASIP 2011 JMD CME Program in Molecular Diagnostics. Am I also subscribed in the ASIP 2011 AJP CME Program in Pathogenesis?** No. The AJP CME Program in Pathogenesis and the JMD CME Program in Molecular Diagnostics are separate programs and require separate subscriptions. However, if you are subscribed to both ASIP Journal CME programs, your User ID and password will be the same on the examination site.

- **How many CME credits will I earn for each Journal CME Program?** The AJP CME Program in Pathogenesis and the JMD CME Program in Molecular Diagnostics are each annual programs consisting of a series of 50 questions based on selected articles in the 2011 issues of *AJP* and *JMD*, respectively. Monthly exams, consisting of up to 6 (AJP) or 10 (JMD) questions that are based on selected articles appearing in each issue of the Journal, will be available online on the Journal website for registered participants. To receive CME credit for these journal-based CME activities, participants must achieve a score of at least 75% on an issue-based exam and complete a Post-Test Evaluation. All exams must be completed by December 31, 2011 to receive CME credit.

### Credits Earned for Achieving a Score of 75%

<table>
<thead>
<tr>
<th>Monthly Issue</th>
<th>AJP CME</th>
<th>JMD CME</th>
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<td>January</td>
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<tr>
<td>December</td>
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- **How many chances do I have to successfully complete a CME exam?** After you submit your answers for a CME exam, you will immediately receive feedback. If you answered a question incorrectly, you will have ONE more chance to answer the question correctly. After you finally submit your answers, you will receive the correct answers to the exam and an explanation.

- **What happens if I do not receive a score of at least 75% on a CME exam?** If you do not receive a score of at least 75% on an issued-based exam you will not receive any CME credits for that exam. However, you will be eligible to take the other exams in the annual program and receive credit for them if you complete them successfully.

- **How do I earn CME credits in the annual program?** You will receive credit for each monthly CME exam that you complete successfully. If you successfully complete all exams in the annual program, you will achieve the maximum of 50 CME credits. If you only successfully complete one exam, you will receive CME credit for only that exam. After you have successfully completed an exam, a CME certificate will be available to you electronically.

- **Do I have to successfully complete all of the issue-based CME exams to receive CME credits in the annual program?** No. You do not have to take or successfully complete all the exams in order to participate in the AJP CME Program in Pathogenesis or the JMD CME Program in Molecular Diagnostics. However, you will only earn CME credits for those exams that you successfully complete.

- **How do I submit my answers to the CME exams?** To receive CME credit, you must submit your answers online through the Journal CME page ([http://ajp.amjpathol.org](http://ajp.amjpathol.org) or [http://jmd.amjpathol.org](http://jmd.amjpathol.org)). However, if you wish to study the questions before going online, you can access a PDF of each exam at [www.asip.org/CME/JournalCME/2011/AJPCME11.htm](http://www.asip.org/CME/JournalCME/2011/AJPCME11.htm) for AJP or [www.asip.org/CME/JournalCME/2011/JMDCME11.htm](http://www.asip.org/CME/JournalCME/2011/JMDCME11.htm) for JMD.
Can I receive SAM credit? Yes. The ASIP 2011 AJP CME Program in Pathogenesis and the ASIP 2011 JMD CME Program in Molecular Diagnostics are each approved by the American Board of Pathology for up to 50 SAM credits. After successfully completing an issue-based CME exam, participants may separately apply for SAM credit by completing a SAM application online on the ASIP Journal CME website at www.asip.org/CME/journalCME.htm. All SAM applications must be completed by December 31, 2011 for participants to receive SAM credit. You may apply for monthly/bimonthly SAM credit or you may apply for SAM credits for more than one journal issue at a time. Please note that the Journal CME website is not able to provide SAM certificates. You must request them from the ASIP CME Office. There is no extra charge for SAM certificates.

What if I misplace my CME or SAM certificate(s)? Contact the ASIP CME Office at (JournalCME@asip.org, 301-634-7130) to request replacement CME and SAM certificates. The ASIP CME Office archives your CME information for at least seven years. In addition, the FASEB CME Office (fasebcme@faseb.org, 301-634-7010) can provide replacement CME certificates. Please note that the FASEB CME Office is not able to provide SAM certificates; only the ASIP CME Office is able to provide SAM certificates.

Yates - Continued from page 7

committed to investigative pathology and to being at the lead of innovative technologies to study and translate such. In addition, she is always ready to rally to her communities and support her fellow students even if it comes at a sacrifice to herself." Dr. Mark Sobel of ASIP says that "Dr. Yates exhibits all the necessary qualities of an individual who will be a leader in our field."

Dr. Yates is working on the pathogenesis of wound healing and is pursuing an interest in regenerative medicine. Dr. Wells describes the project that Dr. Yates has chosen as "that of determining what signals end the wound healing response and allow the regenerated tissue to form mature functional skin, realizes the conception of emerging investigative pathology perfectly. It is a marriage of cell and molecular pathobiology that incorporates dermatopathology and the emerging fields of stem cell biology and regenerative medicine/tissue engineering." Dr. Wells goes on to say that Dr. Yates is "is doing more than simply implementing existing systems and project design, she is helping to create original tools, reagents and materials and at the same time stretch it in new directions. Her progress to-date has been impressive."

Dr. Yates is also extensively involved in a variety of activities that demonstrate her exemplary volunteer service. This includes governance involvement with ASIP trainee committees, the Wound Healing Society, and the University of Pittsburgh graduate council. As stated by Dr. Wells, Dr. Yates "is passionate about giving back to her family and community in all forms," and is "considered a young and coming minority researcher throughout the FASEB Minority Access to Research Careers (MARC) community."

Dr. Yates will present her award lecture, "Turning Off Scarring: Stop ‘Signals' That Operate During Wound Repair" on Saturday, April 9, 2011 at the ASIP Annual Meeting in Washington, DC. She will receive the Excellence in Science Award on Monday, April 11, 2011 during the ASIP Awards Presentation and Membership Business Meeting.

ISBER 2011 Annual Meeting & Exhibits

Impact and Public Benefits of Biorepositories

May 15 - 18, 2011
Arlington, VA (Washington DC)

Topics to include:

- Impact on Large Scale and Global Science
- Impact of Biorepositories in Clinical Trials and Prospective Studies
- Innovative Technologies
- Valuing the Benefit of Biorepositories to Stakeholders
- Governance Models & Return of Research Data: Implications for Participants and the Public

Early (Reduced) Registration Deadline: March 4, 2011
Hotel Reservations Deadline: April 22, 2011
Exhibitor Deadline: February 18, 2011

www.isber.org

ISBER is a Division of ASIP
### American Society for Investigative Pathology Sessions at Experimental Biology 2011 – Washington, DC

**All sessions in Walter E. Washington Convention Center, unless otherwise noted**

#### Sunday, April 10

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>AM</td>
<td>Symposium, Cell Signaling, Cell Survival and Apoptosis, E. Weber, A. Wanker, MD, Room 149A/B</td>
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<tr>
<td>PM</td>
<td>Symposium, Malignancy Biology and Cancer Therapeutics, J. Minna, PhD, Room 149B</td>
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#### Monday, April 11

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<tr>
<td>AM</td>
<td>Symposium, Vascular Biology, S. Brandt, MD, Room 144A/B</td>
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<tr>
<td>AM</td>
<td>Symposium, Immunology and Pathogenesis, G. Cooper, MD, Room 144B</td>
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<tr>
<td>PM</td>
<td>Symposium, Inflammation, J. Reuben, MD, Room 144B</td>
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#### Wednesday, April 13

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<th>Time</th>
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<tr>
<td>AM</td>
<td>Symposium, Molecular and Cell Biology, T. Asher, PhD, Room 144A/B</td>
</tr>
<tr>
<td>PM</td>
<td>Symposium, Vascular Biology, S. Brandt, MD, Room 144B</td>
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</tbody>
</table>

### Key
- **AE:** ASIP Early Career Award
- **AQ:** ASIP Outstanding Investigator Award
- **AK:** ASIP Presidential Lecture
- **AM:** ASIP President’s Award for Merit
- **AS:** ASIP Career Development Session
- **AT:** ASIP Tupper Lecture
- **AF:** ASIP Awards Reception
- **AN:** ASIP Career Development Session
- **AR:** ASIP Career Development Session
- **ASIP:** American Society for Investigative Pathology
- **ISBER:** International Society for Blood Research
- **SCVP:** Society for Cardiovascular Pathology
- **SIP:** Society for Investigative Pathology
- **AAA:** American Association for the Advancement of Science
- **WIP:** Washington Intern Program
- **AAP:** American Association of Pathologists' Assistants
This session will focus on the rise and success of graduate training programs in translational medicine. Since 2006, more than 20 HHMI-funded Med-Into-Grad (MIG) programs across the nation have independently developed their programs with the goal of training rising PhD researchers to collaborate effectively with clinical researchers. Anh-Chi Le, PhD, representing the HHMI graduate education division (which funds the Med-Into-Grad initiative), will be a featured speaker. Other round-table discussants will include MIG Program Directors from both non-degree-granting certificate programs as well as PhD granting programs: Carolyn Smith, PhD, of Baylor’s PhD program in translational research, Martha Cathcart, PhD, director of the Cleveland Clinic PhD program, and Connie Cepko, PhD, of Harvard, an HHMI investigator and director of Harvard’s MIG program. Program directors will explain the features of their respective programs emphasizing best practices, lessons learned, hurdles overcome, external funding possibilities, and recruiting successes of this type of program.

Topics:
- HHMI Med-Into-Grad Initiative - (Program, History, Mission, & Scope) Anh-Chi Le, PhD, HHMI
- Unique Challenges and Opportunities of Translational Graduate Programs, M.K. Cathcart, Cleveland Clinic, Lerner Research Institute, Dept. of Cell Biology
- Preparing Students for Careers in Translation, C. Cepko, PhD, Harvard Med Sch, Dept. of Genetics and Ophthalmology/HHMI
- The Baylor College of Medicine PhD Program and how they got a Molecular Medicine T32 from NIGMS, C.L. Smith, PhD, BCM, Dept of Molecular and Cellular Biology
- General Discussion: The Future of Translational Medicine as a Necessary Option in Graduate Training
- Questions and Answers

Pre-Registration Required
Registration Deadline: March 18, 2011
Register online at www.asip.org/mtgs/eb11
Resources for Your Undergrads and Trainees

The Road to Becoming a Biomedical Physician Scientist in Pathology and Laboratory Medicine

Avrum I. Gotlieb, MDCM, FRCPC
Published by the American Society for Investigative Pathology (ASIP) and supported by the Intersociety Council for Pathology Information (ICPI)

Topics Include:
What is a Physician Scientist in Pathology and Laboratory Medicine? Why Choose Academic Pathology and Laboratory Medicine? Is a Physician Scientist Career for Me? Choosing a Training Path (PhD followed by MD, MD/PhD, Physician Scientist Training Programs, Post Residency Training)
Choosing a Program, Choosing a Supervisor, Searching for Your First Job, Launching your Physician Scientist Career, Tenure, Promotions and the First Ten Years, The Institutional Challenge to Train and Maintain Physician Scientists, and Links and Resources.
Order your free copy today by emailing: asip@asip.org, or view the online version at www.asip.org/CareerPath

PATHOLOGY: A Career In Medicine
Published by Intersociety Council for Pathology Information (ICPI)

Topics Include:
The Pathologist in Patient Care, Anatomic Pathology, A Case Study: Lung Cancer, Role of the Autopsy, Clinical Pathology, Molecular Pathology, The Pathologist as a Consultant, The Pathologist in Research, A Case Study: Thyroid Cancer, Graduate Medical Education in Pathology, Career Options, The Pathologist as a Teacher, Undergraduate Study in Pathology, & Certification in the US and Canada
To order your free copy, email icpi@asip.org, or view the online version at www.asip.org/career

Journey to Success! Career Pathways for Biomedical Scientists in Pathology and Laboratory Medicine

Tara L. Sander, PhD
Avrum I. Gotlieb, MDCM, FRCPC
Published by the American Society for Investigative Pathology (ASIP).
This career booklet is a guide for PhD candidates in the life sciences considering a career in experimental pathology. The purpose is to present opportunities in experimental pathology for PhDs that exist in many sectors including academia, molecular diagnostics labs, public and private laboratories, industry, and consulting for-profit and non-profit institutions. This booklet should be helpful to biomedical scientists to understand how to train and then develop their early career to carry out either basic, translational, and/or clinical investigations in academic departments of pathology and laboratory medicine or in numerous non-academic environments.
Order your free copy today by emailing: asip@asip.org, or view the online version at www.asip.org/Journey.
For each NEW Regular Member recruited by an ASIP member before September 1, 2011, the current member will receive a $25 reduction in their 2012 dues up to the total amount of the annual membership fee.

To participate, detach the application and pass it along to a colleague you think will benefit as you have from membership in ASIP. The new member must write their name on the referral line for you to receive credit for the application.

Keep an eye on your e-mail inbox for an e-application that you can e-mail to an ASIP member and pass it along to a colleague you think will benefit as you have from membership in ASIP.

For complete program details, visit:
www.asip.org/membercampaign.html

Scientific Interest Groups
Please check all that apply.
- Analytical and Chemical Viscosity
- Biophysical Pathology
- Breast Cancer
- Cell Injury
- Gene Expression
- Inflammation/Immunopathology
- Informatics
- Molecular Markers of Disease
- Neoplasia/Growth Regulation
- Organ Specific:
  1. Pulmonary Pathobiology
  2. Liver Pathobiology
  3. Neuroradiology
  4. Other: ______________________
- Tissue Banking
- Vascular Pathobiology
- Veterinary Pathology

2011 Annual Dues

Regular Membership
- $182 (Includes Online AJP & JMD)

Associate Membership
- $80 (Includes Online AJP & JMD)

Pre-doctoral Trainee Membership
- $50 (Includes Online AJP & JMD)

Undergraduate Trainee Membership
- $25 (Includes Online AJP & JMD)

Optional Print Upgrade

Journal Subscriptions

The American Journal of Pathology
- $50 - 2011 Print Upgrade (USA)
- $125 - 2011 Print Upgrade (Intl)

The Journal for Molecular Diagnostics
- $25 - 2011 Print Upgrade (USA & Intl)

Referral*
The following ASIP Member referred me for membership in ASIP.

Name (please print) ____________________________

*Referral is optional. It is not required for application processing.

Payment:

- Check - Make payable to ASIP
- Credit Card VISA MasterCard American Express
- Exp Date ______________________

Name on Card (Please Print) ______________________

Signature ______________________

Submit application and CV to (Please note: Application will not be processed without the submission of a CV): American Society for Investigative Pathology, 9650 Rockville Pike, Suite E133, Bethesda, MD 20814-3993 (USA) www.asip.org, Phone: (301) 634-7130, Fax: (301)-634-7990, or Email: asip@asip.org
This workshop will furnish high-school teachers of the life sciences with concepts of human disease that can be integrated into their regular science curricula. Teachers also are welcome to bring students who have completed or are enrolled in an advanced biology course. Space in this free workshop is limited, so register early!

The workshop will include:

- Presentations and handouts by three leading research pathologists on specific topics appropriate for classroom use
- Information on pathology resources on the web
- A round-table discussion about ways to incorporate concepts of disease into biology classes
- A tour of the latest scientific equipment and advances in technology in the Convention Center exhibit hall

Agenda:

8:30 AM Check-in and Continental Breakfast
9:10 AM Welcome and Introduction, Kari Nejak-Bowen, University of Pittsburgh
9:30 AM Menacing Microbes: The Threat of Bioterrorism, Martha B. Furie, Stony Brook University
10:15 AM Break
10:30 AM Stem Cells: A Case of Dr. Jekyll and Mr. Hyde, Satdarshan (Paul) Monga, University of Pittsburgh
11:15 AM Break
11:30 AM Hidden in Plain Sight: How Biology Reveals New Ways to Treat Breast Cancer, William B. Coleman, University of North Carolina, Chapel Hill
12:15 PM Round Table Discussion: Incorporating Concepts of Pathology into the High School Curriculum
12:45 PM Tour the Exhibits at the Convention Center

Can you name the ASIP members in these photos?

Send your best guess to asip@asip.org. The winner(s) will be acknowledged in the next issue of ASIP Pathways.

The first correct respondent will receive a FREE copy of The Joys of Aging -- and How to Avoid Them by Phyllis Diller.

Want to see YOUR photo posted here?

Email a high resolution photograph of yourself taken in your "younger days" to the ASIP office at asip@asip.org.
11th Annual Career Development Program and Lunch: Fundamental Basics for Success: How to Give Great Presentations
Sunday, April 10, 2011 - 11:45am - 1:45pm
Walter E. Washington Convention Center, Washington DC
Chaired: Jayne S. Reuben & Tara Sander
Sponsored by the ASIP Committee for Career Development, Women & Minorities, the American Association of Anatomists and the FASEB Minority Access to Research Careers (MARC) Office

Preliminary Program:
Introduction and Announcements
Jayne S. Reuben, Baylor College of Dentistry
Talking Science: Designing and Delivering Successful Oral Presentations
Shawn Patrick Mullen, OD, NIH
Creating an Effective Poster Presentation
Betsey Wagener, Independent Consultant
Interactive Session from Selected Presentations
Audience and Presenters
Wrap-up and Closing remarks
Tara Sander, Children's Hospital of Wisconsin

REGISTRATION FORM

Register for these special events!

I am registering for the following event(s)
(Limited space available. Register in advance to guarantee your space!)
- Career Development Workshop and Breakfast: Transition to Principal Investigator
  Saturday, April 10, 2011 - 7:00-9:00am (FREE Breakfast Included)
- 11th Annual Career Development Program and Lunch: Fundamental Basics for Success: “How to Give Great Presentations” - Saturday, April 10, 2011 - 11:45 AM-1:45 PM (Lunch Included. FREE for Trainee and student members if registered by March 18, 2011. Please check the appropriate box below)
  - ASIP Trainee & Student Members - FREE
  - AAA Student Members - FREE
  - Faculty/Staff/Other $20.00 - Deadline to pre-register: March 18, 2011

Name______________________________________________________________________________________________
Department_________________________________________________________________________________________
Institution_______________________________________________________________________________________
Address____________________________________________________________________________________________
City_________________________________________State_____________ Zip/Postal Code____________________
Country_________________________________________Phone____________________
Fax_________________________________________Email (required)___________________________________________

Payment must accompany this reservation (For Faculty/Staff/Others) - Make checks payable to ASIP or fax credit card info:
- MasterCard
- VISA
- American Express
Card#______________________________________________________Exp. Date:_______________________________
Amount:_____________ Name on Card:__________________________________________________________________
Signature:___________________________________________________________________________________________

Register online at www.asip.org/mtgs/eb11
or
Mail/Fax/Email Registration Form by March 18, 2011 to:
American Society for Investigative Pathology
9650 Rockville Pike
Bethesda, MD 20814 (USA)
Phone: 301-634-7130
Fax: 301-634-7990
Email: meetings@asip.org
www.asip.org

After March 18, 2011: Please register onsite - all tickets will be $20
Study of the biophysical parameters of normal and abnormal cells is ultimately dependent on physical interactions. Biochemical events and pathways, the interaction of a cell with its environment is ultimately dependent on physical interactions. There has been an appreciation that, regardless of the complex underlying molecular pathology. There is a growing recognition that future advances both in basic biomedical research and the translational application of this research will be best served by multidisciplinary efforts including physicists, engineers, mathematicians and computer scientists in addition to traditional biomedical scientists. Nowhere is this more apparent than in translational diagnostic research, initially in radiology but increasingly in pathology as well. At the same time, there has been an appreciation that, regardless of the complex underlying biochemical events and pathways, the interaction of a cell with its environment is ultimately dependent on physical interactions. Study of the biophysical parameters of normal and abnormal cells may therefore shed light on clinical behavior. Last year’s Presidential Symposium was devoted to this topic, and a significant number of ASIP members expressed interest in developing a Special Interest Group within the ASIP. We would therefore like to schedule an informal meeting of those interested in establishing this interest group at this year’s EB meeting in April. We will provide details regarding time and place at a later date. In the meantime, please contact Stan Cohen, MD, Past President, ASIP, at 973-972-4520 or cohenst@umdnj.edu with any comments or questions and offers to help in the leadership of the Biophysical Pathology SIG.

Are you interested in Neuropathology?
Are you looking for a way to get more involved in the Society?

We are in need of members to assist with development of the Neuropathology Scientific Interest Group (SIG). As you may or may not know, these groups provide a forum to interact with other trainees and experts in the field and allow members to initiate discussions, foster collaborations and network. Importantly, SIGs help determine scientific programming for the Annual Meeting as well as social/networking events. If you are interested in becoming an active participant of this SIG, please email Tara Snethen, ASIP Senior Director of Society Services at tsnethen@asip.org.

Interested in Cell Injury?

We are calling for the members to serve on the Scientific Interest Group Development Team for Cell Injury.

SIGs provide an excellent forum to interact with your colleagues in focused listservs, and to develop scientific programming and companion social events at the ASIP Annual Meeting. If you are interested in serving on the Cell Injury Scientific Interest Group please email Tara Snethen, ASIP Senior Director of Society Services at tsnethen@asip.org to indicate your interest.

Welcome New Members!

REGULAR MEMBERS
Muhammad Ashraf, PhD, University of Cincinnati
Cary D. Austin, MD PhD, Genentech
Fay Betson, DrSc HDR, Integrated BioBank of Luxembourg
Wayne Buck, DVM PhD, Abbott Labs
Dominik Duelli, PhD, Rosalind Franklin University of Medicine & Science
Mihai Gagea-lurascu, DVM, DVSc, University of Texas MD Anderson Cancer Center
Armelle Grevot, DVM ACVP, Novartis NIBR
Simon Hogan, PhD, Cincinnati Children’s Hospital Medical Center
Christopher C.W. Hughes, PhD, University of California, Irvine College of Medicine
Jennifer Hunt, MD, Massachusetts General Hospital
Zdenek Kolar, MD PhD, Faculty of Medicine and Dentistry, Palacky University
Neil Kowall, MD, VA Boston Healthcare
Patricia Lin, MD, Emory University
Nancy Louis, MD, Emory University
James Luyendyk, PhD, University of Kansas Medical Center
Andrew Miller, DVM, New England Primate Research Center
Danny Milner, MD MSc, Brigham & Women's Hospital
Riggi Nico, MD PhD, CHUV
Lorin Olson, PhD, Oklahoma Medical Research Foundation
Daniel Patrick, DVM, MPI Research

Scientific Interest Group News

Call for Participation in the newly formed Biophysical Pathology Scientific Interest Group

Biophysical pathology is slowly evolving as a field of interest within pathology, in a manner analogous to the early growth of molecular pathology. There is a growing recognition that future advances both in basic biomedical research and the translational application of this research will be best served by multidisciplinary efforts including physicist, engineers, mathematicians and computer scientists in addition to traditional biomedical scientists. Nowhere is this more apparent than in translational diagnostic research, initially in radiology but increasingly in pathology as well. At the same time, there has been an appreciation that, regardless of the complex underlying biochemical events and pathways, the interaction of a cell with its environment is ultimately dependent on physical interactions. Study of the biophysical parameters of normal and abnormal...
TRAINED MEMBERS

Imtisal Al-Bondokji, MSc, McMaster University
Theresa Alonghat, DVM, PhD, University of Pennsylvania School of Veterinary Medicine
Khai Ang, PhD, Penn State University College of Medicine
Gurpreet Aulakh, M.Pharm, University of Saskatchewan
Veronica Azcutia, PhD, Brigham & Women's Hospital
Rudra Bhowmick, MSc, University of Massachusetts Medical School
Jeffrey Blair, Case Western Reserve University
Patricia Casbas-Hernandez, University of North Carolina at Chapel Hill
Ying-Ting Chen, MD, University of California, San Francisco
Timothy Clark, University of Texas at San Antonio
Evan Delgado, BS, University of Pittsburgh
Justin Deniset, BSc, University of Manitoba
Federico Di Gesualdo, University of Florence
Dibyendu Dutta, MSc, Texas Woman's University
Susana Galli, MD, NCI/NIH
Li Han, University of Toronto
Eileen Heinrich, MS, University of California, Los Angeles
Nisan Hubbard, Virginia Commonwealth University
Raymond Isidro, BS, Ponce School of Medicine
Karen Kassel, PhD, University of Kansas Medical Center
Wooki Kim, PhD, Emory University School of Medicine
Yuan Lin, PhD, National Taiwan University
Hongyan Liu, PhD, University of Florida
Diana Lizarazo, PhD, Brown University
Lisa Longato, MSc, Brown University
Matteo Lulli, PhD, University of Florence
Venkat Krishna Mannam, The University of Mississippi Medical Center
Jeffrey Mercante, PhD, Emory University
Ana Monteiro, MD, PhD, Emory University
Om Prakash Paliwal, RNT MC, Udaipur
Ravi Patel, MD, Emory University School of Medicine
Adam Pfefferle, University of North Carolina at Chapel Hill
Jin Qian, MS, Medical College of Georgia
Ravi Sahu, PhD, Indiana University School of Medicine
Jacqueline Savage, MD, Medical University of South Carolina
Zhongdong Shi, PhD, City College of New York
Renza Spelat, University of Udine
Bradley Sullivan, University of Kansas Medical Center
Tenchee Lama Tamang, Virginia Commonwealth University
Maria Tomasi, PhD, University of Southern California
Kristine Wadosky, BS BA, University of North Carolina at Chapel Hill
Chad Walesky, University of Kansas Medical Center
Hanzhou Wang, MD PhD, University of Texas Health Science Center
Laura Weise Cross, BA BS, University of North Carolina at Chapel Hill
Marcie Williams, PhD, Brigham and Women's Hospital
Geoffrey Zeni, MSc, University of Western Ontario
Xiangxuan Zhao, PhD, University of Florida
Yi Zhou, PhD, MEng, University of Pittsburgh
Muhammad Zulfiqar, MD, MBBS, St. John Hospital

ASSOCIATE MEMBERS

Gundega Korsts, MA
Elen Miyabara, PhD, University of São Paulo

ASIP Members!

Invite your colleagues to apply for membership in ASIP, and save $25 on your 2012 annual dues for EACH new Regular* member you recruit!

For each NEW Regular* Member recruited by an ASIP member before September 1, 2011, the current member will receive a $25 reduction in their 2012 dues up to the total amount of the annual membership fee.

It’s easy!

1. Tell your colleagues about ASIP
2. Send them to this link to download the special membership application**

www.asip.org/membercampaign.html

*Regular Membership Criteria:
Successful candidates for regular membership have conducted, published, or supported the conduct of meritorious original research in pathology or a related discipline, support the mission of the Society, and hold a doctorate degree or have equivalent experience. Regular members have the right to hold office and vote for officers of the Society.

**New applicants must use this application for ASIP members to receive reduced annual dues in 2012.
UPCOMING DEADLINES!

ASIP Elections
Deadline to Vote (ASIP Regular Members) - February 23

ASIP 2011 Annual Meeting at Experimental Biology
Late-Breaking Abstracts Deadline - February 9
Early Registration Deadline - February 9
Hotel Reservations Deadline - March 4

Career Development Workshop and Breakfast:
Transition to Principal Investigator
Early Registration Deadline - March 18

11th Annual Career Development Program and Lunch:
Fundamental Basics for Success: How to Give Great Presentations
Early Registration Deadline - March 18

11th Annual Workshop on Graduate Education in Pathology
Early Registration Deadline - March 18

Scientific Sleuthing of Human Disease for High School Teachers
Registration Deadline - March 18

ASIP

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James R. Downing, MD – Councilor-at-large
Robert L. Reddick, MD – Councilor-at-large
Kevin A. Roth, MD PhD – Councilor-at-large
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Executive Officer
Mark E. Sobel, MD, PhD (ex-officio)

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