ASIP LAUNCHES A NEW SERIES OF SCIENTIFIC CONFERENCES

PATHOBIOLOGY FOR INVESTIGATORS, STUDENTS, AND ACADEMICIANS (PISA)

ASIP is proud to announce a new series of annual scientific conferences in addition to the annual meeting: PISA: Pathobiology for Investigators, Students, and Academicians. The first PISA conference will be held in 2015 in Baltimore (October 8-10).

Why offer an additional scientific meeting?

Timely and innovative technologies have vastly impacted our understanding of the fundamental principles of disease pathogenesis at cellular and molecular levels. PISA conferences will be aimed at delivering attendees the most exciting and up-to-date concepts in the cellular and molecular basis of selected disease processes and their relationship to pathology. The specific molecular themes will vary from year to year. The first PISA conference in 2015 (Pathways to Translational Medicine: Recent Advances in Cell injury, Inflammation, and Neoplasia) will focus on the fields of cell injury, inflammation, and neoplasia and cancer stem cells, which have undergone an unprecedented growth in the past decade as we reinforce and challenge existing paradigms and discover new ones. The format each year will be two-to-three-day abstract-driven conferences in a small and intimate setting. The goal is to generate a cordial, collegial and contemporary environment for learning and networking. World acclaimed scientists will deliver lectures. Experienced members of the program committee will introduce each theme and will moderate discussion during plenary sessions. In 2015, two keynote lectures will be presented by Abul Abbas (UCSF) and Irving Weissman (Stanford University Medical Center). In addition to the two keynotes, major lectures by 15 invited scientists will be interspersed with abstract-driven talks. Additionally, poster discussion sessions held in proximity to the major talks will build an intimate setting for intellectual exchange and constructive criticism, especially for trainees and junior faculty.

Another reason to offer PISA conferences is that some ASIP members are unable to attend the ASIP Annual Meeting at Experimental Biology in the Spring for logistical reasons, or do not prefer a large
ASIP Companion Meeting at USCAP 2015 Annual Meeting

“Molecular and Morphologic Diagnostic Features of Precancerous and Cancerous Lesions: What the Pathologist Needs to Know”

Sunday, March 22, 2015
1:30 PM – 5:00 PM

Moderators: Maria J. Merino, MD, National Cancer Institute, Bethesda, MD
Danny A. Milner, MD, MSc, Brigham and Women’s Hospital, Boston, MA

PRELIMINARY PROGRAM

1:30 PM – 1:35 PM
Introduction to the ASIP Companion Meeting
Mark E. Sobel, MD, PhD, American Society for Investigative Pathology

1:35 PM – 2:15 PM
Helpful Markers in the Diagnosis of Prostate Cancer
Jonathan Epstein, MD, The Johns Hopkins University School of Medicine, Baltimore, MD

2:15 PM – 3:00 PM
Precancerous and Cancerous Lesions of the Pancreas
Ralph Hruban, MD, The Johns Hopkins University School of Medicine, Baltimore, MD

3:00 PM – 3:30 PM
Break

3:30 PM – 4:15 PM
Neoplastic Precursor Lesions of the Tubal Gut
Robert D. Odze, MD, Brigham and Women’s Hospital, Boston, MA

4:15 PM – 5:00 PM
Diagnostic Features of Precancerous and Cancerous Lesions of the Lung
Jeffrey L. Myers, MD, University of Michigan

You’re Invited!

Advertising inquiries should be directed to Laurie Menser, Director of Marketing and Development at lmenser@asip.org

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meeting of thousands of scientists. In a recent membership poll, the majority of respondents indicated that they would attend a small “stand-alone” scientific meeting either in lieu of, or instead of, the annual meeting.

The ASIP Task Force on Scientific Events and Special Programs was established by the ASIP Council in 2010 to investigate the best way to meet the scientific needs of ASIP members, especially those who do not attend Experimental Biology. Initially chaired by Dr. Satdarshan Paul S. Monga, the Task Force was assigned the responsibility of developing the concept of a small stand-alone meeting for ASIP members. The “feel” was to be similar to that of a FASEB Scientific Research Conference or a Gordon Conference, but shorter in length. When Dr. Monga was elected last year by the ASIP membership to become Chair of the ASIP Program Committee, which is responsible for programming the ASIP Annual Meeting at EB, Dr. Asma Nusrat was appointed Chair of the Task Force and asked to program the first PISA conference. Dr. Nusrat is a former chair of the ASIP Program Committee and has extensive experience organizing scientific conferences. In 2013, the task Force established a PISA Organizing Committee to assist Asma in programming the 2015 PISA conference: Cary Austin (Genetech), F. William Luscinskas (Brigham & Women’s Hospital), Richard Mitchell (Brigham & Women’s Hospital), S. Paul S. Monga (University of Pittsburgh), Christopher Moskaluk (University of Virginia), William Muller (Northwestern University), and Mark Sobel (ASIP).

We invite all ASIP members to present their research at PISA 2015 and to attend this one-of-its-kind conference. For more details about invited speakers and presentation topics, see page http://www.pisa2015.org. We hope that ASIP members will be able to submit abstracts to either or both EB and PISA each year. Trainee travel awards will be available for both meetings. Start planning to be in Baltimore in October 2015. Registration, housing information, and trainee award applications will be available in early 2015.

The deadline for submitting abstracts, award applications, and supporting documents is 11:59pm EST November 6, 2014 – SAME DAY AS THE ABSTRACT DEADLINE!!!

- ASIP Experimental Pathologist-in-Training Award (EPIT)
- ASIP Experimental Pathologist-in-Graduate-Training Award (EPIGT)
- ASIP Trainee Travel Award
- ASIP Under-Represented Groups (URG) Trainee Travel Awards ( Funded by the FASEB MARC Office)
- A. D. Sobel - ASIP Education Fund Scholar Award (Candidates for the A. D. Sobel - ASIP Education Fund Scholar Award should submit an application for the ASIP Trainee Travel Award and will be considered along with all other candidates for the ASIP Trainee Travel Award.)
- Marcos Rojkind - ASIP Trainee Travel Award (Candidates for the Marcos Rojkind - ASIP Trainee Travel Award should submit an application for the ASIP Trainee Travel Award and will be considered along with all other candidates for the ASIP Trainee Travel Award.)
- Gotlieb Undergraduate Student Travel Award

Select the award(s) you would like to apply for as you proceed through the abstract submission process!

Please make sure you have the following documents ready when you submit your abstract; all documents will be required as you apply for the award:

- Letter of support from supervisor (ALL awards)
- EPIT/EPIGT – CV and extended abstract in addition to the letter of support
- Under-Represented Groups – CV and proof of residency/citizenship in addition to the letter of support

If you require assistance as you submit your abstract please contact Tara Snethen, Director of Meetings, at tsnethen@asip.org or 301-634-7950!

We look forward to seeing you in Boston!
Members in the News

In Memoriam
ASIP acknowledges the passing of longtime members, Emmanuel Farber, MD, PhD and James B. Caulfield, MD.

Dr. Emmanuel Farber was a member of ASIP for 61 years. He received his medical degree from the University of Toronto in 1942 and in 1949 he received a PhD from the University of California-Berkeley in Biochemistry. He served during WWII as a medical officer in the Canadian Army. He was a prominent research scientist of pathology and biochemistry and received numerous academic honors and recognitions, including the Parke-Davis Award (1958), Rous-Whipple Award (1982), and the ASIP Gold-Headed Cane (1995). In addition, he served as president of the American Association for Cancer Research and of the American Society for Experimental Pathology. He was a member of the Surgeon General’s Committee on Smoking and Health in 1964, when he helped to establish the link between smoking and cancer. http://www.asip.org/members/Emmanuel.Farber.pdf

Dr. James Caulfield was a member of ASIP for 41 years. Dr. Caulfield had a long and productive career in medicine beginning with his selection to the V12 program during WW II. He served with the Marine Corp in the capacity as a physician during the Korean conflict. Dr. Caulfield received his medical degree from the University of Illinois and interned at the Cook County Hospital. After residency and post-doctorate work in anatomical pathology, Dr. Caulfield taught at Harvard University. Throughout his career, he conducted research in a variety of medical conditions including muscular dystrophy, diabetes, cancer, severe burns and heart disease. While at Massachusetts General Hospital, he was instrumental in the formulation of balloon angioplasty and was honored with the name, “the balloon man.” Dr. Caulfield was Chairman of the Pathology Department at the University of South Carolina and later taught at UAB where he continued his research in heart disease for 25 years, retiring as Professor Emeritus. http://www.asip.org/members/James.Caulfield.pdf

Congratulations to Dr. Charles (Chuck) A. Parkos
Dr. Parkos has been appointed as the new Chair of the Department of Pathology at the University of Michigan.

ASIP Welcomes New Members Who Joined Between July and September 2014

Regular Members
Changzhao Li, MD, PhD, University of Alabama at Birmingham
Eric Snyder, MD, PhD, UCSF School of Medicine
Majid Ghoddusi, DVM, PhD, Ensigna Biosystems, Inc.
Donghun Shin, PhD, University of Pittsburgh
Bin Wei, PhD, Wayne State University

Post-Doctoral Trainee Members
Indumathi Chennamsetty, PhD, Stanford University

Pre-Doctoral Trainee Members
Jillian Eskra, University of Illinois at Chicago
Brandon Gutierrez, University of California at Irvine

Undergraduate Student Member
Fanta Kalle, University of Delaware

Calling All Members - Recruit a New Member and Save on Your Dues!
Do you know someone who would be interested in becoming an ASIP member? Why not participate in the ASIP Member-Get-A-Member Campaign? If you are a Regular ASIP member and you recruit a new Regular or Next Century member by September 1, 2015, you will receive a $25 reduction in your next year’s (2016) membership dues up to the total amount of the annual membership fee.

If you are a Trainee member and you recruit a new trainee member by September 1, 2015, you will receive a $5 reduction in your next year’s membership dues (2016) up to the total amount of the annual membership fee.*

When inviting individuals to join ASIP, please be aware that ASIP now offers an alternative Regular membership for new members for up to the first two years of membership called “Next Century.” Next Century member dues are $101 per year and are discounted more than 50% of the Regular member dues rate. The Next Century member will receive all the member benefits of ASIP Regular members EXCEPT the opportunity to receive the color figure rebate for accepted manuscripts published in AJP and JMD.

To participate in this program, please use the special Membership Referral Application found on page 17 in this newsletter*. Please be sure to have the applicant type/print YOUR name in the yellow “Referral” box in the lower right corner of the application. This ensures you receive credit for the referral.

Print and distribute this form to your colleagues. Let’s work together to build a stronger Society!

*The application included on Page 17 is for regular and next century membership dues up to the total amount of the annual membership fee.

It’s Time to Renew Your Membership
ASIP has updated its membership system to MemberClicks. When you renew your membership you will notice a new login process. Membership is by calendar year so your current membership will expire on December 31, 2014. We will start sending out membership dues renewal notices in September. Please reply as soon as possible. Renewing your membership by December 31, 2014 will guarantee continued benefits and service through December 31, 2015.

Thank you for your continued support and active participation!
Check out ASIP's Redesigned Science Policy Webpage!

We have recently redesigned the ASIP website to highlight the recent work done by ASIP's Public Affairs Working Group (PAWG). Special thanks to the PAWG, chaired by Dr. Daniel Remick, and ASIP Graphic Designer Christopher Wallington for helping to create this resource, which can be found online at http://www.asip.org/SciencePolicy/. The new Science Policy section has easy to locate links to a variety of Pathways articles and outside resources to help our members advocate for sustainable pathology research funding.

*Resources highlighted in red are available online at the new ASIP Public Affairs Resources Page, here: http://www.asip.org/public_affairs/resources/index.cfm

Administrative Burden - A Step in the Right Direction

Early this summer, the National Science Board released their report entitled Reducing Investigators' Administrative Workload for Federally Funded Research. The Report contained four major categories of recommendations: focus on the science; eliminate or modify ineffective regulations; harmonize and streamline requirements; and increase academic efficiency and effectiveness. Of particular note was the specific recommendation proposing the development and implementation of a permanent, high level, inter-agency committee to prioritize regulations that should be reviewed and determining appropriate actions for each. ASIP joins the National Science Board in hoping that such an entity could identify concrete actions that would lead to reducing the administrative burden on researchers and their institutions.

On your behalf, ASIP submitted letters to both Dr. Cordova, Director of the National Science Foundation and Dr. Collins, Director of the National Institutes of Health. We joined other investigators in supporting streamlined and harmonized rules and regulations that focus on scientific advancement. ASIP encourages the National Science Board and the National Institutes of Health to work cooperatively in supporting the formation of the inter-agency committee and ensuring its long-term success.

Links to the ASIP letters, as well as a link to the National Science Board report, are available through the Science Policy area of the ASIP website. http://www.asip.org/SciencePolicy/

NIH Pilots New Biosketch Format

NIH has announced its intent to pilot a new Biosketch format. Dr. Sally Rockey, NIH's Director of Extramural Research, says the new program will emphasize “…the magnitude and significance of the scientific advances associated with a researcher’s discoveries and the specific role the researcher played in those findings.” NIH hopes that the new format, with an increased page limit from 4 to 5 pages, will allow researchers to describe their most significant contributions to science. Dr. Rockey hopes that this “…change will help reviewers evaluate you not by where you’ve published or how many times, but instead by what you’ve accomplished.” Dr. Rockey’s full comments can be viewed on her *blog.

ASIP is joining other societies in submitting a comment letter to NIH from FASEB. The FASEB letter incorporates several key points including concerns that customizing a researcher’s most significant contributions for each grant application will increase administrative work. We are also concerned that the proposed changes may unintentionally favor established investigators. Junior investigators are likely to have a smaller body of work than more established investigators, and the long-term scientific impact of a new or early career investigator may be difficult to state at the time of application.

Stay tuned as NIH incorporates the input provided and releases a finalized pilot Biosketch program.

New NIH Funding Program for Select Investigators

A few NIH Institutes and Centers have expressed an interest in offering significant, long-term funding for select investigators, replacing funding specific research projects. The goal would be to allow dedicated researchers a more stable, substantial funding source to encourage research risk-taking, more adventurous lines of inquiry, or the development of new techniques.

NCI Outstanding Investigator Award. NCI has announced a new program type entitled Outstanding Investigator Award (R35 grant). The objective is to provide long-term support to researchers with outstanding records of cancer research productivity who propose exceptional research while encouraging risk-taking and more adventurous lines of inquiry. The Outstanding Investigator Award provides funding stability over an extended period of time. Researchers must commit at least 50% of research time to the Outstanding Investigator Award, with teaching, administrative and clinical duties excluded from this calculation. An award under this program would replace current NCI funding on individual grants. A successful applicant may be awarded up to $600,000 per year towards direct costs exclusive of third-party facilities and administrative costs. More information about *this program is available on the NCI website.

NIGMS MIRA. Another program is a NIGMS pilot program entitled Maximizing Investigators’ Research Award (MIRA). NIGMS believes that a new funding mechanism would further research in that it would:

- increase funding stability and thus enhance the ability to take on ambitious scientific projects using creative problem solving;
- increase flexibility to follow new research directions; and
- in the long term, reduce time spent writing and reviewing grant applications and increase time spent conducting research.

*Resources highlighted in red are available online at the new ASIP Public Affairs Resources Page, here: http://www.asip.org/public_affairs/resources/index.cfm
ASIP has submitted comments in response to the NIGMS’s Request For Information on their draft pilot program. Specifically, ASIP requested that NIGMS:

- Specify that time spent on clinical duties, administration, and teaching responsibilities will be excluded from the denominator when calculating whether a physician scientist is devoting the minimum of 50% of time towards the MIRA research proposal;
- Clarify and release for public comment the criteria that will be used to evaluate pilot program success;
- Establish a minimum percentage of funding to support early- and mid-stage investigators;
- Specify the total funding to be provided to the MIRA pilot program;
- Further explain the criteria to be considered by reviewers when evaluating a MIRA proposal; and
- Clarify how MIRA grants will interact with grants from other Institutes or Centers, as well as research projects where the MIRA grant applicant is listed as a principal investigator on a multi-investigator NIGMS grant.

The RFI and additional information about the *proposed pilot program* are available on the NIGMS website.
Breast Cancer Scientific Interest Group
Co-Chairs - William B. Coleman and Ashley G. Rivenbark

Breast Cancer Workshop at ASIP 2015 Annual Meeting at Experimental Biology 2015
The ASIP program at Experimental Biology 2015 in Boston, MA will feature several sessions of interest to basic science and clinical/translational breast cancer researchers. Among these is the annual Breast Cancer Workshop, which will be held on Saturday, March 28, 2015 on the topic of Breast Cancer – Genetic and Phenotypic Diversity. This session will include presentations from three prominent investigators: Dr. Kornelia Polyak (Department of Medical Oncology, Dana-Farber Cancer Institute, Harvard Medical School) will speak on Breast Cancer Heterogeneity; Dr. Charlotte Kuperwasser (Department of Developmental, Molecular, and Chemical Biology, Molecular Oncology Research Institute, Tufts University School of Medicine) will speak on Contributions of Stromal-Epithelial Interactions to Breast Cancer Diversity; and Dr. Judy Garber (Department of Medicine, Dana-Farber Cancer Institute, Harvard Medical School) will speak on Genetic Diversity Among Breast Cancers. Presentations of interest to breast cancer researchers will also be delivered in various other workshops and symposia contained in the ASIP program. Additional abstract-driven sessions (minisymposia or poster) related to breast cancer-relevant topics are anticipated. Interested individuals should consider submitting abstracts to one of the ASIP topic categories related to NEOPLASIA (4086-ASIP), including “breast cancer” (4088-ASIP), “cancer biomarkers” (4089-ASIP), “cancer stem cells” (4090-ASIP), “drug discovery for cancer treatment” (4094-ASIP), “epigenetic regulation in cancer” (4095-ASIP), “gene expression in cancer” (4096-ASIP), or others. On Tuesday, March 31, 2015, Breast Cancer Scientific Interest Group members will participate in a large Networking and Poster Session (along with seven other ASIP Scientific Interest Groups). This session provides opportunities for investigators to view posters and discuss research within and across Scientific Interest Groups. Many breast cancer-relevant posters will be presented in this session. We look forward to seeing you in Boston!

Cell Injury Scientific Interest Group (Der Schadenklub)
Co-Chairs - Monte S. Willis and Cecelia C. Yates

We are pleased to announce our 4th annual program events for the ASIP 2015 Annual Meeting at Experimental Biology in Boston, MA. Our sponsored Workshop during the meeting is Cell Injury: Scars and Souvenirs: Inflammation and Fibrosis in the Heart, Lung, and Skin on Tuesday, March 31, (8:30AM - 11:30AM).

The featured speakers are:

- **Skin and Scars: Discovery, Disappointment, and the Pursuit of Perfect Epithelial Repair**
  Luisa A. DiPietro, DDS, PhD, University of Illinois, College of Dentistry

- **Scars on My Heart: Understanding the Molecular Pathogenesis of Cardiac Fibrosis as a Therapeutic Target**
  Monte S. Willis, MD, PhD, University of North Carolina, School of Medicine

Plus, short oral presentations from abstracts selected from ASIP Topic Categories

There will be a SIG-sponsored social event and poster session. We are currently looking for additional speakers for the Workshop, as well as for the poster session that will be held during SIG night on Tuesday, March 31. If you are interested in having your work considered for presentation, either orally or poster, please submit an abstract to EB 2015 under Cell Injury ASIP topic categories. Please contact Cecelia C. Yates (cey4@pitt.edu) if you are interested in participating in this group and/or have any questions regarding the program.

Cecelia C. Yates, PhD and Monte S. Willis, MD, PhD
Chair and Co-Chair, Cell Injury Special Interest Group

Environmental and Toxicologic Pathology Scientific Interest Group
Co-Chairs - Lilian Calderón-Garcidueñas and Elizabeth Galbreath

We are very pleased to announce we have our 1st annual program events ready for the ASIP 2015 Annual Meeting at Experimental Biology 2015 in Boston. Our sponsored symposium will take place Sunday, March 29, 2015, 2:00PM - 5:00PM: Environmental and Toxicologic Pathology Symposium: Air Pollution and Health Effects: Cognition, Neuropathology, Cardiovascular and Metabolic Disease - What You Ought to Know by Now!

The featured topics and speakers are:

- **Overview of Air Pollution and Detrimental Effects in Children**
  Lilian Calderón-Garcidueñas, MD, PhD, University of Montana

- **Developmental Cognitive Neuroscience, Air Pollution and Social Inequality**
  Amedeo D’Angiulli, PhD, Carleton University, Ottawa, Canada

- **Microglia as Central Nervous System Sentinels & the Detection of Air Pollution**
  Michelle L. Block, PhD, Virginia Commonwealth University

- **Inhaled Ozone and Particulate Matter and the Metabolic System Response: Diabetes and Obesity**
  Jack R. Harkema, DVM, PhD, Michigan State University

Please join us on Sunday afternoon, March 29, 2015. In addition, our SIG will join with several others in a joint networking and poster discussion session on Tuesday evening, March 31.

Continued on page 8 - Scientific Interest Group News
We are looking forward to welcoming everyone interested in Environmental and Toxicologic Pathology SIG activities and networking. Please contact Constanza Gonzalez (cgonzalez@asip.org) if you would like to be involved with this SIG. Thank you!

Neuropathology
Scientific Interest Group
Co-Chairs - Warren G. Tourtellotte and Christi L. Kolarcik

Do your research interests include any of the following?

- Neural Stem Cells/Regenerative Medicine
- Systems Neuroscience
- Blood-Brain Barrier
- Neuroimaging/Image Analysis
- Diverse Roles of Astrocytes and Microglia

If so, we would like your input! The Neuropathology SIG is launching an initiative to include more diverse "neuroprogramming" at the Annual Meeting and encourages members in these research areas to contact us. However, our list is not all-inclusive and we invite additional ideas and research topics. Please contact Warren Tourtellotte (warren@northwestern.edu) or Christi Kolarcik (ckl39@pitt.edu), the Chairs of the Neuropathology SIG, if you have suggestions about how to continue expanding this area of the Society.

Vascular and Mucosal Pathobiology (VAMP) Scientific Interest Group
Co-Chairs - Francis W. Luscinskas and Asma Nusrat

The ASIP annual meeting at EB 2015 will be held in Boston and is approaching fast! The Blood Vessel Club™ will feature a session entitled "Macrophages and the Vessel Wall." Also, we have planned Major Symposia sessions devoted to topics that include epithelial cells "Inflammation and Wound Repair" and "Epithelial Junctions, Polarity and Cancer," and vascular endothelial cells "Signaling through the Matrix in Inflammation, Autophagy and Angiogenesis," "Modulators of Endothelial Cell and Angiogenesis" and "Histones, Inflammasomes, NETs and Cell and Organ Injury."

In addition, there will be several Minisymposia driven by abstracts submitted to ASIP topic categories related to vascular and mucosal immunology, inflammation and host defense. The abstract and travel award deadline is just around the corner (Nov. 6); now is the time to get that award winning abstract together so that you can present your findings and get some input from the leaders of the fields! For more information on the ASIP program at EB 2015, go to: http://www.asip.org/meetings/2015/

VAMP will again participate in the joint ASIP SIG networking and poster session on Tuesday evening March 31. This event has always been a huge success and the upcoming one at EB 2015 in Boston stands to be even better! This annual networking event brings together scientists of all levels interested in vascular and mucosal inflammation and other several other topics in pathology in a relaxed atmosphere to meet old friends, make new friends, start collaborations and discuss recent advances in the field. Abstracts for this event will be selected from those submitted to ASIP Topic Categories for the ASIP Annual Meeting at EB 2015 describing exciting projects in the field of VAMP. Presentation of a poster is not a prerequisite to attend. Participation of trainees is especially encouraged.

As noted on the first page of this newsletter, ASIP is hosting its first stand-alone meeting next fall! This conference, entitled Pathobiology for Investigators, Students, and Academicians (PISA), will be held Oct. 8-10, 2015 in Baltimore, MD. PISA is aimed at delivering attendees the most exciting and up-to-date concepts in the cellular and molecular basis of injury, inflammation, and neoplasia and their relationship in pathology. Notably, the inaugural PISA meeting will include sessions devoted to topics that are sure to be of interest to VAMP members. Abul Abbas will present a keynote lecture related to autoimmunity to open up the conference. The first session on Thurs. Oct 8 is entitled Adaptive Immunity: Immunity in Atherosclerosis and Metabolism and will feature Ronald Germain, Matthias Nahrendorf, Ira Tabas, and Andrew Lichtman. A second session on Fri. Oct 9 entitled Innate Immunity: Recruitment of Leukocytes to Sites of Inflammation will include presentations from Paul Kubes, Ulrich von Andrian, and Charles Parkos among others. Don’t miss out on what is sure to be an exciting and intimate meeting so, please mark your calendars today! Trainee travel awards will also be available. For more information go to: http://www.pisa2015.org/ or see page 1 of this newsletter.

If you have any questions about VAMP or if you are interested in contributing to VAMP activities, please contact Michael at mschnoor@cinVESTAV.mx, Dan at ddimler@partners.org or David at d-sullivan@northwestern.edu.

For more information on VAMP activities “follow” us on Facebook at: https://www.facebook.com/asipvamp

VAMP representatives: Michael Schnoor, Dave Sullivan, Dan Milner, Asma Nusrat and Francis W. Luscinskas.

What are ASIP Scientific Interest Groups?
Scientific Interest Groups represent the diverse research interests of the ASIP membership. These subsections are responsive to the needs and specialty interests of their respective ASIP constituents by providing assistance in program development at the annual meeting and networking opportunities for young investigative pathologists. At present, subsections include the following areas:

- Biobanking
- Biophysical Pathology
- Breast Cancer
- Cell Injury
- Environmental and Toxicologic Pathology
- Gene Expression
- Immunohistochemistry and Microscopy
- Inflammation / Immunopathology
- Informatics
- Liver Pathobiology
- Molecular Markers of Disease
- Neoplasia/Growth Regulation
- Neuropathology
- Pulmonary Pathobiology
- Regenerative Medicine - NEW!
- Vascular and Mucosal Pathobiology (VAMP)
- Veterinary Pathology

Please contact Constanza Gonzalez (cgonzalez@asip.org) if you have any questions or are interested in participating in any of the above SIGs.
You’re Invited!

ASIP 2015 Annual Meeting at Experimental Biology

March 28- April 1, 2015
Boston, MA

Preliminary Program

- XVII Annual ASIP/AAIA Career Development and Mentoring Program and Luncheon: Fundamentals of Success: How to Give an Award Winning Presentation
  Chairs: Jayme Reuben & Edward Medina
  Sponsored by the ASIP Committee for Career Development & Diversity and the American Association of Anatomists
  Supported by an unrestricted educational grant from the FASEB E. E. Stowell Endowment Fund (MARC) Office

- XVIII Annual Workshop on Graduate Education in Pathology: Developing and Training the Physician Scientist
  Chairs: Michael Laframme & Jonathan Rechler
  Sponsored by the ASIP Education Committee and the Association of Pathology Chairs

- ACP Symposium: Intestinal Microbiome: Lessons From Comparative Medicine
  Chairs: Melissa Schulten & Ruth Sullivan
  Sponsored by the American College of Veterinary Pathologists and the ASIP Veterinary Pathology Scientific Interest Group

- Blood Vessel Cell: Macrophages in the Vessel Wall
  Chairs: Jonathan Honeker & James Stone
  Sponsored by the ASIP Vascular & Murcsal Pathobiology (VAMP) Scientific Interest Group

- Breast Cancer Workshop: Genetic and Phenotypic Diversity
  Chair: William Coleman
  Sponsored by the ASIP Breast Cancer Scientific Interest Group

- Cell Injury Workshop: Scars and Souvenirs: Inflammation and Fibrosis in the Heart, Lung, and Skin
  Chairs: Cecelia Yates & Monte Willis
  Sponsored by the ASIP Cell Injury Scientific Interest Group

- Cotran Early Career Investigator Award Lecture: Cancer Progression: The Failure to Resolve?
  Award: Dipak Panigrahi
  Sponsored by the ASIP Neoplasia/Growth Regulation Scientific Interest Group

- Environmental and Toxicologic Pathology Symposium: Air Pollution and Health Effects: Cognition, Neuropathology, Cardiovascular, and Metabolic Disease—What You Ought to Know by Now!
  Chairs: Uljan Calderon-Garciduenas & Elizabeth Galebreath
  Sponsored by the Society for Toxicologic Pathology and the ASIP Environmental & Toxicologic Pathology Scientific Interest Group

- Epithelial Junctions, Polarity and Cancer
  Chairs: Andrea Ivanov & Asma Nusrat
  Sponsored by the ASIP Vascular and Murcsal Pathobiology Scientific Interest Group

- NIH Boot Camp: Leadership and Management Training for Advanced Graduate Students and Postdoctoral Fellows
  Sponsored by the FASEB Maximizing Access to Research Careers (MARC) Office and the ASIP Committee for Career Development and Diversity

- F-TROOP: Roadmap to Fellowship Grant Applications
  Chairs: Linda M. McManus & Cecilia C. Yates
  Sponsored by the FASEB Maximizing Access to Research Careers (MARC) Office and the ASIP Committee for Career Development and Diversity

  Chairs: John Shnack & Stephen Hewitt
  Sponsored by The Histochecamical Society and the ASIP Immunohistochemistry & Microscopy Scientific Interest Group
  Supported by an unrestricted educational grant from the E. E. Stowell Endowment Fund (MARC) Office

- Highlights: Graduate Student Research in Pathology
  Chairs: Curt Reaves & Sarah Headland
  Sponsored by the ASIP Committee for Career Development & Diversity

- Histones, Inflammomasomes, NETs and Cell/Organ Injury
  Chairs: Peter Ward & Charles Emerson
  Sponsored by the ASIP Cell Injury Scientific Interest Group

- Inflammation and Wound Repair
  Chairs: Asma Nusrat & Andre Ivanov
  Sponsored by the ASIP Cell Injury Scientific Interest Group

- Journal of Histochemistry & Cytochemistry Lecture
  Chair: John Coughman
  Sponsored by The Histochecamical Society and the ASIP Immunohistochemistry & Microscopy Scientific Interest Group

- Liver Pathobiology Symposium: Hepatic Regenerative Medicine: De-Liver-ing the Prometabolic Promise
  Chair: Sattishan Paul S. Monga
  Sponsored by the ASIP Liver Pathobiology and Regenerative Medicine Scientific Interest Group

- Liver Pathobiology Workshop: Cellular and Molecular Mechanisms of Liver Injury: Implications in Disease Pathogenesis
  Chairs: Karl Nejat-Bowen & Bryan Copple
  Sponsored by the ASIP Liver Pathobiology Scientific Interest Group

- Lunch and Learn: The Ethics of Personalized Medicine: Quantaries among the Possibilities
  Chairs: Wendy Marks, Danny Miller, & Richard Mitchell
  Sponsored by the ASIP Education Committee

- Lung Symposium: Oncoty and Injury
  Chairs: Carlos Freytag & Charles Freytag
  Sponsored by the ASIP Pulmonary Pathobiology Scientific Interest Group

- Modulators of Endothelial Cell Inflammation and Angiogenesis
  Chairs: Tanya Mayadas & Piir Aikai
  Sponsored by the ASIP Vascular and Murcsal Pathobiology Scientific Interest Group

- Molecular and Cellular Basis of Disease: Neoplasia Mornings: SPM& Symposium: Cancer Stem Cells
  Chairs: Sebastiano Ando & Kevin Gardner
  Sponsored by the ASIP Neoplasia/Growth Regulation & Regenerative Medicine Scientific Interest Groups

- Molecular and Cellular Basis of Disease: Neoplasia/Growth Regulation & Regenerative Medicine Scientific Interest Group

- Molecular and Cellular Basis of Disease: Neuropathology as a Paradigm for Disease Processes: Advances in the Understanding of Neural Development and Disease: Cells and Circuits
  Chairs: Jose Otazo & Anne Buckley
  Sponsored by the ASIP Neoplasia/Growth Regulation & Regenerative Medicine Scientific Interest Group

- Outstanding Investigator Award Lecture: High Throughput Sequencing for Discovering New Biology
  Award: Anindya Dutta

- Pathobiology for Basic Scientists: Looking Into the Crystal Ball: Inflammomasomes and Disease
  Chairs: Richard Mitchell & Patricia A. D’Amore
  Sponsored by the ASIP Education Committee

- Programmed Non-Apoptotic Cell Death in Tissue Injury
  Chairs: Wen-Xing Ding & Wei-Xing Xiong
  Sponsored by the ASIP Cell Injury Scientific Interest Group

- Rous-Whipple Award Lecture: Leukocyte-Epithelial Interactions: A Double-Edged Sword
  Award: Charles Parkos

- SCVP Symposium: Protein Misfolding in the Heart: Conformation Cardiomypathies
  Chairs: James Stone & Monte Willis
  Sponsored by the Society for Cardiovascular Pathology

- Signaling Through the Matrix in Inflammation, Apopthy and Angiogenesis
  Chairs: Renato Iozzo & Liliana Schaefer
  Sponsored by the ASIP Inflammation Scientific Interest Group

- Young Scientist Leadership Award: IQGAP1 is a Critical Regulator of Transendothelial Migration
  Award: David Sullivan
  Supported by an unrestricted educational grant from the A.O. Soclet - ASIP Education Fund

For more information, contact:
The American Society for Investigative Pathology
9650 Rockville Pike
Bethesda, MD 20814-3993
Tel: 301-634-7130
Fax: 301-634-7990
Email: meetings@asip.org
Or visit: www.asip.org

The ASIP Annual Meeting program includes a number of social and networking events not listed. Please visit us online to view the entire program:
www.asip.org
ACVP & ASVCP 2014
In partnership with ASIP
November 8-12, 2014
Atlanta, Georgia

ASIP / ACVP Pre-Meeting Workshop
Image Science in the 21st Century:
Opportunities for Pathology Investigation and Diagnostics
Saturday, November 8, 2014, 8:00 AM - 5:00 PM
Session Chair: John Tomaszewski, MD
Professor and Chair, Department of Pathology and Anatomical Sciences,
University of Buffalo, Buffalo, NY
The ASIP/ACVP Pre-Meeting Workshop is FREE to ASIP members who register to attend the ACVP/ASVCP Annual Meeting

Workshop Program

Introduction to Image Science in the 21st Century
John E. Tomaszewski, MD, University of Buffalo School of Medicine

Cellular Imaging Basics
Ulysses J. Balis, MD, University of Michigan

Whole Slide Imaging
Stephen M. Hewitt, MD, PhD, National Cancer Institute

Registration, Segmentation, and Feature Extraction
Rob Toth, PhD, Toth Technology, LLC

The Role of the Pathologist in an Image Analysis Team
Famke Aeffner, DVM, PhD, Flagship Biosciences, LLC

Panel Discussion: The State of Computational Image Technology and Its Future

The Quantitative Analysis of Labels
Richard Levenson, MD, University of California, Davis Medical Center

Novel Optical Imaging Methods
Robert Hard, PhD, University of Buffalo School of Medicine

HistoCAD in the Predictive Modeling of Outcomes
Scott Doyle, PhD, University of Buffalo School of Medicine

Integrated Diagnostics and Data Fusion Across Scale
John E. Tomaszewski, MD, University of Buffalo School of Medicine

Panel Discussion

www.asip.org/meetings/ASIP_ACVP.cfm
THURSDAY, OCTOBER 8, 2015

OPENING COMMENTS, Asma Nusrat

OPENING KEYNOTE: BALANCING TOLERANCE AND AUTOIMMUNITY: STRATEGIES FOR CONTROLLING HARMFUL IMMUNE RESPONSES, Abul K. Abbas, University of California, San Francisco
Chair: Mark E. Sobel

ADAPTIVE IMMUNITY: IMMUNITY IN ATHEROSCLEROSIS AND METABOLISM
Chairs: F. William Luscinskas, Asma Nusrat
- Using Advanced Dynamic and Static Microscopy to Reveal Immune Cell Dynamics and Spatial Organization In Situ, Ronald Germain, NIAID
- Regulating Supply of Myeloid Cells in Cardiovascular Disease, Matthias Nahrendorf, Massachusetts General Hospital
- Defective Inflammation Resolution in Atherosclerosis: Mechanisms and Therapeutic Opportunities, Ira Tabas, Columbia University
- How Do T Lymphocytes Influence Atherosclerosis? Andrew Lichtman, Brigham & Women’s Hospital

CELL INJURY AND REPAIR
Chairs: Richard N. Mitchell, Cary D. Austin
- Genes and Small Molecules to Delay Diseases in Aging, David A. Sinclair, Harvard Medical School
- Abstract-Driven Short Talks
- Adult Stem Cells and Biomimetic Scaffolds for Skeletal Tissue Engineering and Regeneration, Rocky Tuan, University of Pittsburgh
- The Complex Roles of Autophagy in Cancer, Jayanta (Jay) Debnath, University of California, San Francisco

WELCOME WINE & CHEESE RECEPTION/POSTERS

FRIDAY, OCTOBER 9, 2015

KEYNOTE: STEM CELLS AND CANCER: Normal and Neoplastic Stem Cells, Irving L. Weissman, Stanford University Medical Center
Chair: Satdarshan Paul S. Monga

STEM CELLS AND STEM CELL SIGNATURES IN CANCER
Chairs: Christopher A. Moskaluk, Satdarshan Paul S. Monga
- Origins, Biology, and Some Translational Implications of the Cancer Epigenome, Stephen B. Baylin, The Johns Hopkins University School of Medicine

SATURDAY, OCTOBER 10, 2014

CANCER NichES AND DEVELOPMENTAL PATHWAY SIGNALING IN CANCER
Chairs: Satdarshan Paul S. Monga, Christopher A. Moskaluk
- Dissecting Breast Cancer Through the Lens of Development, Geoffrey Wahl, Salk Institute
- Abstract-Driven Short Talks
- Evolving Dynamic Models of Cancer Stem Cells, Jeremy N. Rich, Cleveland Clinic Lerner Research Institute
- Conserved Signaling Pathway Defects in Colon Cancer Pathogenesis - Modeling Colon Cancer Development and Progression in the Mouse, Eric R. Fearon, University of Michigan

CLOSING REMARKS: COMMON THEMES AND LESSONS LEARNED, Asma Nusrat
ASIP Trainee Travel Awards - Applications Open Now!

Information & Deadlines
The following awards require submission of an abstract to an ASIP topic category by an ASIP trainee member to the EB 2015 meeting. For details on abstract submission, visit: www.asip.org/meetings/2015/abstracts.cfm

Abstract Submission Deadline: November 6, 2014
Award Application Deadline: November 6, 2014

ASIP Experimental Pathologist-in-Training (EPIT) Award and ASIP Experimental Pathologist-in-Graduate Training Award (EPIGT)
The EPIT is a prestigious award presented to an ASIP trainee member who is a postdoctoral fellow (including research and clinical fellows) and who has excelled in investigative efforts in studying mechanisms of disease, as evidenced by an abstract submission to an ASIP topic category at the ASIP annual meeting, an extended research report, and a letter of recommendation attesting to the candidate's role in the work and potential as a biomedical research investigator. The award includes: a certificate of achievement for the winning abstract presented at the ASIP Annual Meeting at the Experimental Biology Meeting, a $1,500 honorarium, and complimentary meeting registration.

The EPIGT is a prestigious award presented to an ASIP trainee member who is a graduate student in a PhD training program, MD/PhD training program or MD training program who has excelled in investigative efforts in studying mechanisms of disease, as evidenced by an abstract submission to an ASIP topic category at the ASIP annual meeting, an extended research report, and a letter of recommendation attesting to the candidate's role in the work and potential as a biomedical research investigator. The award includes: a certificate of achievement for the winning abstract presented at the ASIP Annual Meeting at the Experimental Biology Meeting, a $1,500 honorarium, and complimentary meeting registration.

Candidates for the EPIT and EPIGT Awards are also considered for ASIP Merit Awards ($1,250 plus complimentary registration), which will be awarded to the best postdoctoral fellow/resident abstract and the best graduate/medical student abstract. Each applicant must be a trainee member of ASIP. Prior recipients of the EPIT, EPIGT, and Merit Awards may reapply if the work submitted is clearly distinct from the work previously submitted for their winning application (not just a continuation of the same project). In such cases, the applicants should submit a copy of the previous winning application along with the new application.

ASIP Trainee Travel Awards
To promote the entry of young scientists into the mainstream of the basic science community and to encourage the participation of young investigative pathologists in the Annual Meeting, the American Society for Investigative Pathology is offering a limited number of Trainee Travel Awards of $750 each to offset travel expenses for ASIP Trainee members to attend the Experimental Biology Meeting. The ASIP Program Committee will select the recipients based on the scientific abstracts submitted to ASIP topic categories. Abstracts will be selected for presentation in either poster sessions or in minisymposia.

Marcos Rojkind – ASIP Trainee Travel Award
The Marcos Rojkind - ASIP Trainee Travel Award honors the memory of Dr. Marcos J. Rojkind, a loyal member of ASIP for forty years. After Dr. Rojkind's death in 2011, a special ASIP fund was established by Dr. Satdharshan Paul S. Monga to support travel to the ASIP Annual Meeting of an ASIP trainee member who submits an abstract submitted to an ASIP topic category that includes data relevant to studies in liver pathobiology. Candidates for the Marcos Rojkind - ASIP Trainee Travel Award should submit an application for the ASIP Trainee Travel Award and will be considered along with all other candidates for the ASIP Trainee Travel Award. The Marcos Rojkind - ASIP Trainee Travel Award is presented to the trainee who submits the best abstract in Liver Pathobiology, as judged by the Trainee Travel Award Review Committee.

Gotlieb Family Fund for Undergraduate Education in Pathobiology Undergraduate Student Trainee Travel Award
The newly established Gotlieb Family Fund for Undergraduate Education in Pathobiology will support an undergraduate student with a $750 travel award to attend the ASIP 2014 Annual Meeting. Like the other ASIP Trainee Travel Awards, an abstract must be submitted to an ASIP topic category. Applicants must be Undergraduate Student Members of ASIP.

Under-Represented Groups (URG) Trainee Travel Awards
The FASEB MARC Program has awarded ASIP funding to promote the entry of under-represented scientists and URG-serving institutions into the mainstream of the basic science community and to encourage the participation of young investigative pathologists in meetings and courses sponsored by ASIP. Successful applicants will be ASIP trainee members who submit an abstract to an ASIP topic category. They will be reimbursed up to $1,850 in travel costs associated with conference attendance and participation. These funds are meant to defray lodging, air, ground transportation, and meeting registration. The ASIP URG Trainee Travel Awards are funded by a grant from the NIGMS, NIH [FASEB MARC Program: T36-GM08059].

HCS-Sponsored Trainee Travel Award
To promote the entry of young scientists who use histochemical techniques into the mainstream of the basic science community and to encourage the participation of young investigative pathologists in the Annual Meeting, the Histochemical Society is offering a limited number of Trainee Travel Awards of $750 each to offset travel expenses for trainee members of the Histochemical Society and/or ASIP to attend the Experimental Biology Meeting. The ASIP Program Committee will select the recipients based on the scientific abstracts, which must include data based on the use of histochemical techniques. Abstracts will be selected for presentation in either poster sessions or in minisymposia. These abstracts must be submitted to ASIP topic categories.

ICPI Trainee Travel Awards
ASIP Trainees are eligible to apply to the Intersections Council for Pathology Information (ICPI) for $500 travel awards to attend certain ASIP events. Trainees who submit an abstract to an ASIP topic category are eligible for a $750 travel award.
The Lasting Impact of Dr. Eugene Garfield
Audra E. Cox, PhD, ELS (Managing Editor, AJP and JMD)

Have you heard of Dr. Eugene Garfield? Those of us in publishing know him well as the creator of the impact factor (IF). In 1972 he published an article in Science describing a method for computing the IF of a journal. He derived the simple calculation by dividing the number of citations in the current year to articles published in the previous two years by the number of articles published in the same two years. Dr. Garfield realized the potential power of the IF for librarians when deciding which journals to include or retain within their library collections. However, I don’t think he imagined what a charged issue the IF would become in the following decades, spurring debate from publishers and scientists alike.

Every June, journal editors anxiously await the arrival of the Thomson Reuter (formerly Thomson ISI) Journal Citation Report (JCR) to learn their journal’s annual IF. This year, the JCR was delayed by a month while Thomson Reuter worked to expand the level of detail of the data released. When 2013 rankings finally came out on July 29, Editor-in-Chief Dr. Kevin Roth and I were very pleased with the new IF for The American Journal of Pathology: 4.602 (#8 of 76 journals in Pathology). Although the increase was modest, Dr. Roth noted that “it is the first time since 2008 that the AJP IF didn’t decline from the previous year’s IF. Frankly, going from 4.52 to 4.60 isn’t a massive leap forward, but I think it does reflect some changes that were implemented in [former Editor-in-Chief] Dr. Lisanti’s last two years.”

Publishers often complain of the lack of transparency in how the citation data are gathered, categorized, and calculated. For example, closer inspection of the current IF calculation reveals an important nuance: the denominator is actually made up of “the articles rather than editorials, commentaries, news briefs, and the like. Reviews are defined as “any article containing more than 100 references,” as well as articles in “review” sections of journals or with titles containing the word “review” or “overview” (Web of Science, http://wokinfo.com/essays/impact-factor/, last accessed August 20, 2014). Unfortunately, chronic miscategorization of an article type, e.g., considering letters to the editor as “substantive” regular articles, or incomplete collection of citation data can negatively influence the IF score for a journal. In recent years, Thomson Reuters has tried to improve the transparency of its methodology, with mixed reception (The Scholarly Kitchen, http://scholarlykitchen.sspnet.org/2014/08/08/qa-with-thomson-reuters-incites-platform-offers-new-analytics-and-transparency/, last accessed August 20, 2014).

Scientists have long felt the pressure induced by keeping track of the IF of the journals in which they publish their findings, particularly since tenure committees and grant review panels sometimes use the IF as an estimate of the quality of faculty or applicant publications. As IF varies greatly between disciplines and subspecialties, such comparisons are fraught with prejudice. In May 2013, a group of editors and publishers led by the American Society for Cell Biology produced the San Francisco Declaration on Research Assessment (DORA). A primary motivation of DORA is to discourage widespread use of the IF for purposes other than library acquisitions by promoting “the need to assess research on its own merits rather than on the basis of the journal in which the research is published” (http://am.ascb.org/dora/, last accessed August 20, 2014). There are currently 11,000 signatories of DORA; however, ASIP chose not to sign on in 2013 based on the assessment that some recommendations were too broad (for a critique of DORA, see The Scholarly Kitchen, http://scholarlykitchen.sspnet.org/2013/05/21/impact-crater-dora-need-to-attack-the-impact-factor-to-reform-how-the-it-is-used-in-academia/, last accessed August 20, 2014).

Several alternative metrics for assessing the quality of scientific output have arisen in the last decade: Eigenfactor (rates the importance of a journal), h-index (measures the number and citation frequency of a researcher’s publications), SJR (SCImago Journal Rank, transfers prestige from citing journal to cited journal), SNIP (Source Normalized Impact per Paper, weighs SCOPUS citations based on number of citations in a subject field), IPP (Impact per Publication, SCOPUS citations per article published in the journal), R-Impact (Reliability-Impact Factor, cited half-life multiplied by citation impact factor), and Y-index (combines first and corresponding author productivity data). Although these various metrics are available, the IF remains the most visible and closely followed measure of publication “success.” Dr. Garfield acknowledges that IF isn’t going anywhere anytime soon: “As long as scientists publish articles containing lists of cited references, it will be possible to calculate impact factors.”

Interestingly, in Dr. Garfield’s 1972 publication,1 AJP ranked #96 of the 152 most-frequently cited journals in 1969, but its calculated IF (1.814) did not place it among the 152 highest impact factor journals. AJP has grown considerably since then, ranking number one in Eigenfactor score (0.0706) and total citations (39,632) in the field of Pathology for 2013. At AJP, we will continue monitoring IF as long as it remains ubiquitously in use by readers and authors. However, we are mindful of its limitations and simultaneously employ other measures of journal success.

References

1. Garfield E: Citation analysis as a tool in journal evaluation. Science 1972, 178:471-479

2. Garfield E: The history and meaning of the journal impact factor. JAMA 2006, 295:90-93


Continued on page 14 - Journal News
AJP Member Authors

ASIP congratulates the following members who had manuscripts accepted for publication in The American Journal of Pathology from June 2014 to September 2014!

- Alan Daugherty
- Lora Ellenson
- Stephen Galli
- Chang Han
- Renato Iozzo
- Grant Kolar
- Ricardo Lloyd
- Peter Lucas
- Satdarshan Monga
- Mauro Perretti
- Bernhard Ryffel
- Fred Sanfilippo
- Isao Shimokawa
- Volker Spindler
- Andrew Stadnyk
- Jerrold Turner
- Jens Waschke
- Tong Wu

JMD Member Authors

ASIP congratulates the following members who had manuscripts accepted for publication in The Journal of Molecular Diagnostics from June 2014 to September 2014!

- Pinar Bayrak-Toydemir
- Jeffrey Swensen

Recent Press Releases for The American Journal of Pathology (AJP)

Read the complete press releases at www.asip.org/rss/AJP_Press_Releases.xml

- Growth Factors Found in Breast Milk May Protect against Necrotizing Enterocolitis - Studies Suggest that ErbB4 Receptor Activation May Be a Novel Therapeutic Avenue for Intestinal Diseases Involving Epithelial Cell Death, According to Research Published in The American Journal of Pathology. September 9, 2014


Recent Press Releases for The Journal of Molecular Diagnostics (JMD)

Read the complete press releases at www.asip.org/rss/JMD_Press_Releases.xml

- Researchers Identify Tests to Diagnose Invasive Aspergillosis with 100% Accuracy - Early, More Accurate Detection of This Potentially Deadly Fungus Can Improve Patient Outcomes, According to New Report in The Journal of Molecular Diagnostics. August 13, 2014

- Biomarkers Accurately Distinguish Mesothelioma from Non-Cancerous Tissue Investigators Pinpoint Four Key MicroRNAs, According to New Report in The Journal of Molecular Diagnostics June 6, 2014

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View the latest press releases about ASIP meetings and events, society news, awards, The American Journal of Pathology, and the Journal of Molecular Diagnostics.
ASIP Summer Research Opportunity Program in Pathology (SROPP) Reports

About SROPP
The American Society for Investigative Pathology (ASIP) has partnered with the Intersociety Council for Pathology Information (ICPI) to provide summer research opportunities in pathobiology for underrepresented students by providing financial support for students to visit, learn, and participate in new research in the mechanisms of disease at prominent research laboratories and institutions during the summer.

Program Report: La’Cheyla Blount
My name is La’Cheyla Blount. I am a senior and an undergraduate Natural Sciences major at Virginia Union University, a private liberal arts institution in Richmond, Virginia. Given that my institution concentrates on liberal arts, there are few opportunities to partake in the stimulating world of scientific research. For these purposes I applied to the Summer Research Opportunity Program in Pathology (SROPP) through the American Society for Investigative Pathology (ASIP) and received notice in April that I had been accepted to attend this program. Excited about this news and acceptance, I began to ask questions about the details and program information. This summer I was assigned to world renowned Physician Scientist, Dr. Satdarshan Paul Singh Monga. This experience took place in Pittsburgh, Pennsylvania at the University of Pittsburgh in the Biomedical Science Tower Medical Center. Dr. Monga’s laboratory is engaged in elucidating the cellular and molecular basis of liver development, regeneration, cancer and injury. Specifically, my project contributed to β-catenin and how this gene creates a sexual dimorphic response to hepatic iron overload.

Iron overload caused by hepcidin dysregulation or other factors can result in diseases such as hemochromatosis and hepatocellular carcinoma. β-catenin plays various roles in liver homeostasis, and aberrant signaling contributes to the same diseases; however, a connection between β-catenin and iron homeostasis remains unknown. In previous analyses, male and female β-catenin knockout (KO) and control (CON) mice were subjected to an iron overload diet for three months. Male KO showed morbidity after the diet, with lower liver weights and higher injury markers. Intriguingly, fatty acid deposits were seen in all groups except male KO. Therefore, we looked at fatty acid synthase (FAS) for a potential role, and we hypothesized β-catenin may regulate FAS in males but not females, specifically after iron overload. We proposed a mechanism by which FAS is regulated, involving hepcidin and steroid regulatory element-bindingprotein 1 (SREBP-1). Our findings suggest β-catenin may regulate hepcidin in females but not males, and another pathway besides FAS may contribute to fatty acid deposits. Additionally, we analyzed genes involved in upregulation or downregulation of hepcidin expression, and saw differential mRNA expression in male and female CON and KO. Of major importance, we saw increases in hepcidin-downregulator SREBP-1 and hepcidin-upregulator bone morphogeneic protein 2 (BMP2) in male KO. This suggests BMP2 tries to compensate for hepcidin downregulation in male KO, but SREBP-1 levels may sustain hepcidin decrease. Taken together, our data suggest a novel role for β-catenin in iron metabolism and may provide insight into why iron-overload disorders such as hemochromatosis affect males more than females. Working closely with my summer mentor, PhD candidate Morgan Preziosi, we attempted to evaluate the further understanding of β-catenin and how this gene relates to gene expression and regulation or biochemical pathways.

During my time in Pittsburgh, and in the Monga laboratory, I was introduced to new techniques and learning experiences that Morgan was able to teach and oversee. Techniques such as: western blotting, extracting RNA from harvested mouse liver, reverse transcriptions, quantitative polymerase chain reaction, etc. Also during my experience I was able to tour around the city (trips to amusement parks, Pittsburgh Pirates baseball games, etc.) and see the people in my lab outside in a more relaxed environment (farewell and graduations festivities). I enjoyed my experiences throughout the duration of this summer and would highly recommend students to take advantage of this opportunity to get experience in research. This internship has provided me with various skills, such as: working and cooperating with people, broadening my horizons, performing pathology research, networking, understanding my learning style, dine and development sessions, and so much more. This experience was more than a learning experience, I have gained life-long mentors and colleagues, a support system in and outside of the lab, and experiences/techniques I will have with me for years to come and I encourage others to have this opportunity as well.

Program Report: Jeffrey Leavitt
When I found out that I would be spending my summer at the University of Pittsburgh, I was thrilled by the thought of not only getting the chance to be trained to work in a lab conducting relevant research, but also at the chance to contribute to the scientific endeavor of understanding ourselves and the world around us (in whatever small way I could in only ten weeks). However, when I arrived in PA and started my apprenticeship with Dr. Cecelia Yates, my expectations were blown away. Not only was her own time and lab at my disposal to ensure an optimum

- Jeffrey Leavitt

Continued on page 16 - SROPP Reports
learning environment for myself, but she also coordinated my collaboration with Dr. Binder’s lab in the Department of Immunology and Dr. Veraldi’s lab in the Department of Medicine. Furthermore, everyone who I worked with welcomed me with open arms and endearing patience in teaching me the skills and techniques crucial to conducting experiments that provide specific insights into the biochemical mechanisms of disease progression. Specifically, my time was spent investigating molecular chaperones called heat shock proteins (HSP) as therapeutic candidates for regulating pathologic fibrosis. To do this I was taught how to grow dermal human fibroblasts in vitro, treat them with growth factors and inhibitors, and run quantifiable analysis in the form of immunoblots and immunofluorescence staining to record differential protein expression between experimental groups.

Additionally I used fluorescence microscopy to image sections of mouse cardiac tissue and learned how to perform a chemokine array on mouse lung tissue. By the end my internship we had gathered convincing preliminary data, suggesting that HSP70 and HSP90 (members of the HSP family) play a role in the transforming growth factor beta (TGF-β) transphosphorylation cascade, an integral component of the mechanisms by which fibroblasts take on a profibrotic phenotype, which in turn produces excessive and disorganized extracellular matrix if dysregulated. This excessive matrix deposition eventually compromises tissue function and homeostasis resulting in organ failure and death in progressive fibrosis patients.

Being my first research experience, this opportunity gave me priceless insight into the career that I am pursuing. From immersion in literature from multiple overlapping fields of research, writing out, understanding, and explaining my work to others, to rigorously analyzing data, what I gained from this experience could not be replicated by any number of lectures or lab courses. The fact that we were able to generate convincing evidence of potential therapeutic candidates for treating fibrosis during my ten short weeks at Pitt was enough to make me long for more time before the start of spring semester to conduct follow-up experiments and gain a more complete picture of the molecular chaperone interactions that contribute to fibrogenesis. However, all good things must come to an end and I am nevertheless immensely grateful for the opportunity that I was given this summer in addition to the personal connections and support that I have established and have available to me through not only my mentors, but also the organizers of the program such as Dr. Mars whose endless enthusiasm and advice was and still is only an email away.

As I prepare to start another academic semester, a part of me will always be tied to Dr. Yates’ pathology lab at the University of Pittsburgh for seeing me through one of the most exciting milestones of my development as a scientist.

To the collaborators of ASIP and the organizers of SROPP, thank you so much for investing your time, work, and resources in myself and my peers.
MEMBERSHIP APPLICATION

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- Stowell Symposium: Trends in Experimental Pathology: The Role of Biospecimens in Precision Medicine
- Young Scientist Leadership Award: Targeting Beta-catenin Reveals Novel Roles in Hepatocyte Survival and Bile Acid Metabolism
- Regenerative Medicine
- HCS Symposium: Unlocking New Tools for Experimental Pathology: Advances in Immunohistochemistry and In Situ Hybridization
- ACVP Symposium: Lessons From the Canine Genome for Human Cancer Therapy
- Cell Injury Workshop: Cellular Survival: Tumors and Wounds
- Nuclear Receptors and Hormones in Liver Health and Disease
- President’s Symposium: Investigative Pathology in the New Century
- Lunch and Learn: Necessary Evils: The Responsibility and Process to Protect Human and Animal Subjects in Research
- Molecular and Cellular Basis of Disease: Inflammation and Disease
- Molecular and Cellular Basis of Disease: Inflammation and the Tissue Microenvironment
- Mechanistic Basis of Neuronal Susceptibility to Toxicants: New Avenues for Drug Discovery
- Decoding Cancer by Single-Cell Genomics
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The Road to Becoming a Biomedical Physician Scientist in Pathology and Laboratory Medicine
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IT'S NOT TOO LATE TO PARTICIPATE! In 2014 the ASIP AJP CME Program in Pathogenesis is freely available to ASIP Members! Visit www.asip.org/CME for complete details!

The ASIP provides two annual Journal CME Programs: The American Journal of Pathology (AJP) CME Program in Pathogenesis offers you the opportunity to earn up to 48 CME credits per year while renewing and updating your knowledge in the pathogenesis of disease. The Journal of Molecular Diagnostics (JMD) CME Program in Molecular Diagnostics offers you the opportunity to earn up to 48 CME credits per year while renewing and updating your knowledge in molecular diagnostics. These programs are approved for Self-Assessment Module (SAM) credit with The American Board of Pathology.

JMD 2014 CME Program in Molecular Diagnostics

The JMD 2014 CME Program in Molecular Diagnostics is an annual program consisting of a series of at least 48 questions based on selected articles in the 2014 issues (Volume 16) of The Journal of Molecular Diagnostics (JMD). Bimonthly exams, consisting of at least 8 questions that are based on selected articles appearing in each issue of the Journal, are available online on the Journal website for registered participants.

To receive CME credit for this journal-based CME activity, participants must achieve a score of at least 75% on each complete Post-Test Evaluation. All exams must be completed by December 31, 2014 to receive CME credit. Participants will earn 8 AMA PRA Category 1 Credit(s)™ for the successful completion of each bimonthly exam.

CME Accreditation Statement:
This activity (“JMD 2014 CME Program in Molecular Diagnostics”) has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the American Society for Clinical Pathology (ASCP) and the American Society for Investigative Pathology (ASIP). ASCP is accredited by the ACCME to provide continuing medical education for physicians.

The ASCP designates this journal-based CME activity (“JMD 2014 CME Program in Molecular Diagnostics”) for a maximum of 48 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

SAM Credit
The JMD 2014 CME Program in Molecular Diagnostics is approved by the American Board of Pathology for up to 48 SAM credits. Physicians should only claim credit commensurate with the extent of their participation in the activity. After successfully completing the bimonthly CME exams as described above, participants may separately apply for SAM credit by completing the SAM application available for download on the ASIP website at: http://www.asip.org/CME/documents/2014/JMD.SAM.Application.pdf. All SAM applications must be received in the ASIP office by December 31, 2014 in order for participants to receive SAM credit.

For more information regarding SAM credits, please contact the ASIP Education Office by phone at (301) 634-7440; email (journalcme@asip.org), or mail your inquiry to 9650 Rockville Pike, Suite E-133, Bethesda, MD 20814.

ASIP 2014 AJP CME Program in Pathogenesis

The ASIP 2014 AJP CME Program in Pathogenesis is an annual program consisting of a series of at least 48 questions based on selected articles in the 2014 issues (Volume 184) of The American Journal of Pathology (AJP). Monthly exams, consisting of at least 8 questions based on selected articles appearing in each monthly issue of the Journal, are available online on the Journal website for registered participants.

To receive CME credit for this journal-based CME activity, participants must achieve a score of at least 75% on a monthly exam and complete a Post-Test Evaluation. All exams must be completed by December 31, 2014 to receive CME credit. Participants will earn 4 AMA PRA Category 1 Credit(s)™ for the successful completion of each monthly exam.

CME Accreditation Statement:
This activity (“ASIP 2014 AJP CME Program in Pathogenesis”) has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the American Society for Clinical Pathology (ASCP) and the American Society for Investigative Pathology (ASIP). ASCP is accredited by the ACCME to provide continuing medical education for physicians.

The ASCP designates this journal-based CME activity (“ASIP 2014 AJP CME Program in Pathogenesis”) for a maximum of 48 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

SAM Credit
The ASIP 2014 AJP CME Program in Pathogenesis is approved by the American Board of Pathology for up to 48 SAM credits. Physicians should only claim credit commensurate with the extent of their participation in the activity. After successfully completing the monthly CME exams as described above, participants may separately apply for SAM credit by completing the SAM application available for download on the ASIP website at: http://www.asip.org/CME/documents/AJP/2014.AJP.SAM.Application.pdf. All SAM applications must be received in the ASIP office by December 31, 2014 in order for participants to receive SAM credits.

For more information regarding SAM credits, please contact the ASIP Education Office by phone at (301) 634-7440; email (journalcme@asip.org), or mail your inquiry to 9650 Rockville Pike, Suite E-133, Bethesda, MD 20814.
Important Deadlines!

Renew Your Annual Dues Today!
(www.asip.org/members)

ASIP 2015 Annual Meeting
- Abstract Submission Deadline - November 6, 2014
- Trainee Travel Award Application Deadline - November 6, 2014
- Deadline for Discounted Registration - February 2, 2015
- Discounted Housing Deadline - February 23, 2015

Registration Open for ASIP 2014 Journal CME Programs:
- ASIP 2014 AJP CME Program in Pathogenesis
- JMD 2014 CME Program in Molecular Diagnostics

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