American Society for Investigative Pathology
2010 Annual Meeting at
Experimental Biology
April 24-28, 2010 - Anaheim, CA (USA)

GUEST SOCIETIES

American College of Veterinary Pathologists (ACVP)
American Society for Matrix Biology (ASMB)
International Society for Analytical and Molecular Morphology (ISAMM)
International Society for Biological and Environmental Repositories (ISBER)
A Division of ASIP
Società Italiana di Patologia/Italian Pathology Society (SIP)
An Affiliate Member of ASIP
Society for Cardiovascular Pathology (SCVP)
Mark Your Calendars!

We invite you to participate in the 2010 Annual Meeting of the American Society for Investigative Pathology, to be held in Anaheim, CA at the Anaheim Convention Center from April 24-28, 2010, in conjunction with Experimental Biology 2010. The scientific meeting will include diverse and exciting programming constituted by symposia, workshops and special sessions. Many of the sessions have been developed in conjunction with our guest societies including the American Society for Matrix Biology, the American College of Veterinary Pathologists, the International Society for Analytical and Molecular Morphology, the International Society for Biological and Environmental Repositories, the Society for Cardiovascular Pathology, and the Italian Pathology Society.

The topics for symposia include Biomarkers in Alzheimer's and Parkinson's Disease, Interplay of Autophagy and the Proteasome in Pathogenesis, Role of Junction Adhesion Molecules in Health and Disease, the Ubiquitin Proteasome Pathway in Disease, Acute Lung Injury, Leukocyte Transmigration, Parkinson's Disease, Molecular Pathways of Tumorigenesis, Genetics and Molecular Biomarkers of Disease and Nanotechnology, and Glycans and Other Factors in Atherosclerosis.

Dr. Zena Werb will be delivering the keynote lecture entitled "Of Mice and Women: New Insights into Mammary Development and Breast Cancer." There are award lectures on the topics of cancer epigenetics and mechanobiology and on diseases of mechanotransduction. This year's presidential symposium is entitled "Photonics in Medicine: New Approaches to Cell and Tissue Imaging." In a continuing tradition, the ASIP annual meeting will host the 'Blood Vessel Club' and 'Club Hepatomania'. In addition, special interest groups have organized workshops and symposia on bioinformatics, breast cancer, and hepatocellular cancer. In collaborations with our guest societies, ASIP will host sessions on the Globalization of Health Threats, Biological Banking, and Mitochondrial Medicine and Longevity.

In keeping with ASIP’s commitment to support junior investigators and trainee members, the ASIP program at EB 2010 will also include special sessions such as the career development workshops and “Mentoring the Mentor”. There will also be special sessions to showcase trainee research. Finally, a large number of awards will be presented for outstanding trainee research. As in the past, a vital component of the program will include abstract-driven minisymposia and poster sessions. We encourage submission of your abstracts to ASIP topic categories covering a broad range of research areas in experimental pathology. The program committee is looking forward to receiving many abstracts that will contribute to the success of this exciting meeting in Anaheim.

Paul Monga, MD
ASIP Program Chair

Important Deadlines!

November 4, 2009
- Abstract Submission Deadline
- Deadline to submit abstract and $65 non-refundable abstract processing fee

November 11, 2009
- Deadline for ASIP Awards Applications

February 24, 2010
- Latebreaking Abstract Submission Deadline
- Deadline for Early Registration. You may register online after this date, however your registration will be at the higher fee.

March 19, 2010
- Deadline for hotel reservations

Registration Rates

<table>
<thead>
<tr>
<th>EB Registration Fees</th>
<th>By Feb 4</th>
<th>After Feb 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sponsoring/Participating Society Members*</td>
<td>$250</td>
<td>$325</td>
</tr>
<tr>
<td>Nonmembers</td>
<td>$365</td>
<td>$440</td>
</tr>
<tr>
<td>Retired Society Members</td>
<td>$120</td>
<td>$135</td>
</tr>
<tr>
<td>** Graduate Student Members</td>
<td>$65</td>
<td>$75</td>
</tr>
<tr>
<td>** Graduate Student Nonmembers</td>
<td>$85</td>
<td>$95</td>
</tr>
<tr>
<td>*** Undergraduate Students High School Students and Teachers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>On-site registration only - Free</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Members of ASIP, ACVP, ASMB, ISAMM, ISBER, SCVP, & SIP and FASEB participating societies are eligible to register at the “Sponsoring/Participating Society Member” rate.

**Graduate Student Registration (including all Society student members): You must have a department head or research advisor certify your student eligibility. If registering online, enter the name and email address of your department head. If registering at the meeting, bring your student ID card or a letter signed by your department head. “Student” will be indicated on your badge. Postdoctoral fellows, hospital residents, interns, and laboratory technicians do not qualify as students and must pay the full member or nonmember rate.

***Undergraduate Students, High School Students and High School Teachers: Registration will not be accepted in advance. To receive complimentary registration on-site, bring a student or teacher ID card or a letter signed by your department head, research advisor, principal or teacher.

Register online:
http://experimentalbiology.org

The registration fee includes entrance to scientific sessions, exhibits, and a copy of the Program. The abstracts will be published online only as part of The FASEB Journal. Additional fees for special Society satellite meeting and social activities may be required.

For a complete list of topic categories, visit
http://www.asip.org/mtgs/eb10/categories/topics.pdf
ASIP Award Application Information & Deadlines

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).

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.

These awards are presented to trainees who have excelled in investigative efforts in studying mechanisms of disease, as evidenced by an abstract submission to 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 awards each include: a certificate of achievement for the winning abstract presented at the ASIP Annual Meeting Awards Presentation 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. 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.

Application Deadline: November 11, 2009
Apply online at: www.asip.org/awds/awds.htm

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 $500 each to offset travel expenses to the Experimental Biology 2010 Meeting. Some of these awards are funded by the A.D. Sobel-ASIP Education Fund. The ASIP Program Committee will select the recipients based on the scientific abstracts. Abstracts will be selected for presentation in either poster sessions or in minisymposia (oral sessions). These abstracts need not be submitted strictly to ASIP categories. Awardees will be recognized and presented with this award during the ASIP Awards Presentation and Reception at the meeting.

The ASIP Minority Trainee Travel Awards are funded by a grant from the National Institute of General Medical Sciences, National Institutes of Health [FASEB MARC Program: T36-GM08059-25].

Application Deadline: November 11, 2009
Apply online at: www.asip.org/awds/awds.htm

ICPI Trainee Travel Awards

ASIP Trainees are eligible to apply to the Intersociety Council for Pathology Information (ICPI) for $500 travel awards to attend the ASIP Annual Meeting at EB 2010. Applications are available online at www.pathologytraining.org.

Continuing Medical Education (CME)

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the Federation of American Societies for Experimental Biology (FASEB) and the American Society for Investigative Pathology (ASIP) only. FASEB is accredited by the ACCME to provide continuing medical education for physicians. The Federation designates this educational activity for a maximum of 36 AMA PRA Category 1 Credit(s)™.

CME application forms will be available online beginning April 24, 2010. There will be an application fee, payable upon submission of the form.

Meeting Objective/Target Audience

The objective of this meeting is to provide a forum for the exchange of new research by scientists and investigators. At the completion of this meeting, participants should be able to:

1) discuss the research underway and/or the current topics relevant to their areas of interest in pathology;
2) demonstrate a gained level of insight into the methods being used by researchers and practitioners in this field; and
3) describe a personal exposure to several stimulating areas of inquiry with speakers in related areas. This meeting is targeted to clinical practitioners, research scientists, and medical education professionals.

Sponsors

ASIP wishes to express our appreciation to the following companies and organizations for their generous support of the ASIP 2010 Annual Meeting.

Supported by unrestricted educational grants from:

Robert E. Stowell Endowment Fund

FASEB MARC

Supported by unrestricted educational grants from:
ASIP 2010 Annual Meeting
Saturday, April 24, 2010

8:30AM - 11:30AM Biomarkers for Alzheimer’s and Parkinson’s Disease: Targeted and Unbiased Approaches
Chaired: Jing Zhang (Univ of Washington Sch of Med)

Biomarkers for Alzheimer’s Disease: Results of Candidate Approaches
Douglas R. Galasko, UCSD Sch of Med

Proteomic Discovery of Biomarkers for Parkinson’s Disease and Parkinson’s Dementia
Jing Zhang, Univ of Washington Sch of Med

TBD
Elaine Holmes, Imperial College London

Systemic Plasma Proteins as Potential Biomarkers for Brain Aging and Neurodegeneration
Tony Wyss-Coray, Stanford Univ Sch of Med

8:30AM - 11:30AM Breast Cancer Workshop: Molecular Pathobiology of Breast Cancer
Sponsored by the ASIP Breast Cancer Scientific Interest Group

Breast Cancer: Challenges and Unmet Needs
Celina G. Kleer, Univ of Michigan

Epigenetic Events in Breast Carcinogenesis
Ashley G. Rivenbark, Univ of North Carolina-Chapel Hill Sch of Med

Molecular Events in Breast Cancer Progression
Patricia S. Steeg, NCI/NIH

Targeted Disruption of Breast Cancer Growth and Metastasis
Deepali Sachdev, Univ of Minnesota

Targeting of the Breast Cancer Epigenome
William B. Coleman, Univ of North Carolina-Chapel Hill Sch of Med

11:30AM - 1:30PM 10th Annual Workshop on Graduate Education in Pathology
Chaired: Linda M. McManus (The Univ of Texas Hlth Sc Ctr at San Antonio)
Sponsored by the ASIP Education Committee
This session will focus on extramural support for Pathology Graduate Programs, and in particular is intended to provide some insight—particularly to Training Program Directors—about funding opportunities as well as best practices regarding strategies for successful Training Grant applications. The session will be chaired by Dr. Linda McManus, who has a strong track record of extramural funding for such training activities, and the discussion panel will be populated by past and present Program Directors from a number of institutions representing the diversity of the ASIP community. The featured speaker from the NIH will discuss the perspective of the NIH regarding desirable goals and focus of such Training Grants, particularly in light of the NIH Roadmap and Challenge Areas and Topics.

11:30AM - 12:30PM ASMB Lecture: Matrix Metalloproteinases: Effectors of Inflammation
Speaker: William Parks
Sponsored by the ASIP and the American Society for Matrix Biology

11:30AM - 1:00PM Breast Cancer Scientific Interest Group Lunch/Networking Session
Chaired: Ashley G. Rivenbark (Univ of North Carolina-Chapel Hill Sch of Med)
Sponsored by the ASIP Breast Cancer Scientific Interest Group
This informal lunch/networking session will take place following the Breast Cancer Workshop and will showcase a number of posters that will be selected for discussion. This event is provided for all ASIP members who are interested in breast cancer research. One of the major objectives of this session is to create a community of breast cancer researchers and to foster collaborations. Additionally, this professional networking outlet will provide new investigators and/or predoctoral students and postdoctoral trainees an opportunity to become acquainted with scientists working in the field. A complimentary light lunch will be provided for all in attendance.
1:30PM - 4:30PM  
**Highlights: Graduate Student Research in Pathology**  
*Chaired: Anthony Cuneo (Temple Univ)*  
Sponsored by the ASIP Committee for Career Development, Women & Minorities  
This session showcases a selection of oral and poster presentations by students, taken from regular sessions. It provides a view of the research excellence among trainees in Pathology. Scout for a postdoctoral fellow and meet colleagues from other pathology research training programs.

2:00PM - 5:00PM  
**Acute Lung Injury**  
*Chaired: Timothy Allen (Univ of Texas Hlth Ctr at Tyler) & Philip T. Cagle (Methodist Hospital System)*  
- **Mesenchymal Stem Cells and Acute Lung Injury**  
  TBD  
- **Novel Signaling Pathways Impacting the Course of Acute Lung Injury**  
  Anna Kurdowska, Univ of Texas Hlth Sci Ctr at Tyler  
- **The Role of Defensin in Acute Lung Injury**  
  Khalil Bdeir, Univ of Pennsylvania  
- **Host-Pathogen Interactions of Staphylococcus aureus and Group A Streptococcus in Acute Lung Injury**  
  Randall Olsen, Methodist Hospital System

3:55PM - 4:10PM**  
**Excellence in Science Award Lecture: Cancer Epigenetics: Lessons from Yeast and Humans**  
*Award Recipient: ASHLEY G. RIVENBARK (Univ of North Carolina-Chapel Hill Sch of Med)*  
Supported by the A.D. Sobel - ASIP Education Fund  
**Presented during the Highlights: Graduate Student Research in Pathology Session.**  
Ashley Rivenbark is a Lineberger Comprehensive Cancer Center Postdoctoral Fellow in the Department of Biochemistry and Biophysics at the University of North Carolina School of Medicine. She has a PhD in Toxicology from the University of North Carolina School of Medicine. Currently under the direction of Dr. Brian D. Strahl, she is examining the role of histone H3 lysine 36 methylation and demethylation in transcriptional regulation using budding yeast as a model system. Since histone H3 lysine 36 is associated with cancer development, Dr. Rivenbark is going to apply what she has learned in yeast to human cells in order to gain a better understanding of cancer pathogenesis. Dr. Rivenbark’s research also includes examining histone methylation patterns in breast tumors, elucidating the modification profile of these tumors in order to help determine if histone modifications are clinically relevant for patient assessment of breast cancer.

5:00PM - 6:00PM  
**KEYNOTE LECTURE: Of Mice and Women: New Insights into Mammary Development and Breast Cancer**  
*Speaker: ZENA WERB*

---

**Sunday, April 25, 2010**

8:30AM - 11:30AM  
**The Role of Junction Adhesion Molecules in Health and Disease**  
*Chaired: Asma Nusrat (Emory Univ) & Sussan Nourshargh (William Harvey Research Inst)*  
- **The Role of JAM-C in Cell-Cell Adhesive Interactions in the Vasculature**  
  Triantafyllos Chavakis, NCI/NIH  
- **JAM Protein-Mediated Signaling and Mucosal Homeostasis**  
  Charles A. Parkos, Emory Univ  
- **The Many Faces of Junction Adhesion Molecules in Pathologies**  
  Beat Imhof, Univ De Geneve  
- **Junctional Adhesion Molecule-A and Reovirus Pathogenesis**  
  Terence S. Dermody, Vanderbilt Univ Med Ctr
8:30AM - 11:30AM Trends in Experimental Pathology: The Interplay of Autophagy and the Proteasome in Pathogenesis
Chaired: Xiao-Ming Yin (Univ of Pittsburgh Med Sch) & Monte S. Willis (Univ of North Carolina)
Supported by an unrestricted educational grant from the Robert E. Stowell Endowment Fund

- Regulation of Cancer Cell Survival by Autophagy During Proteasome Inhibition and ER Stress
  Xiao-Ming Yin, Univ of Pittsburgh Med Sch
- Autophagy and UPS in Mallory's Body Turnover in Liver Diseases
  Bishr Omary, Univ of Michigan Sch of Med
- Coordinated Regulation of Proteasome and Autophagic Degradation in Muscle Metabolism
  Alfred Goldberg, Harvard Med Sch
- HDAC6 at the Intersection of the Proteasome and Autophagy in Neurodegenerative Diseases
  J. Paul Taylor, St. Jude Children's Research Hosp
- ER Stress, Proteasome Activity and Autophagy in the Pathogenesis of Diabetes
  Allen Volchuk, Toronto General Research Inst

8:30AM - 11:30AM ASIP Workshop: Non-traditional Career Opportunities in Pathology
Chaired: Elizabeth Galbreath (Eli Lilly Laboratories) & Jayne Reuben (Baylor Coll of Dentistry); Sponsored by the ASIP Committee for Career Development, Women & Minorities, the American College of Veterinary Pathologists and the FASEB Minority Access to Research Careers (MARC) Office

- Scientific Writing and Editing
  Audra Cox, The American Journal of Pathology
- From Training Rats to Training Policy: Adventures in the Life of a Science Policy Analyst
  Jennifer Hobin, FASEB
- The Long and Winding Road: A Non-traditional Path to a Non-traditional Role in the Biopharmaceutical Industry
  Wendy Halpern, Genentech
- From Lab Rat to Law Geek: Life as a Patent Attorney
  Karen S. Canady, Canady & Lortz, LLP

Panel Discussion

11:45AM – 1:45PM 10th Annual Career Development Program & Lunch: Mentoring the Mentors
Chaired: Marion C. Cohen (UMDNJ-New Jersey Med Sch) & Stanley Cohen (UMDNJ-New Jersey Med Sch)
The Career Development Luncheon, “Mentoring the Mentors” offers an opportunity for trainees, mentors, and investigators to hear and discuss the mentoring process as it exists within the global academic framework. Drs. Rivenbark and Monga will provide their insights into the mentoring process as seen through the eyes of the mentored and the mentor, respectively. Following this, Dr. Kumar will describe the role of the department chair as a mentor not only to trainees, but also to his or her entire faculty. Next, Dr. Tykocinski will discuss ways in which the dean, as the academic leader of an institution, can encourage and support the creation of an environment in which mentorship flourishes throughout that institution. Dr. S. Cohen will provide a summary overview that puts into perspective the fact that the mentor and the mentored each gain from the informal partnership, and that this partnership can only flourish in an interactive framework of institutional support. In this way, we will consider the mentoring experience as a kind of “apprenticeship” for development that exists in a continuum of linked relationships. Following the speakers’ presentations, there will be a panel discussion for additional interaction between the audience and speakers.

- Introduction
- Mentoring Through the Eyes of the Mentored
  Ashley G. Rivenbark, Univ of North Carolina-Chapel Hill Sch of Med
- Mentoring Through the Eyes of the Mentor
  S. Paul Monga, Univ of Pittsburgh
- The Role of the Chair Both as Mentor, and Mentor to Mentors
  Vinay Kumar, Univ of Chicago Sch of Med
- The Dean's “Bully Pulpit”: Promoting a Climate of Mentoring
  Mark L. Tykocinski, Thomas Jefferson Univ Med Ctr
- Overview: The Systems Approach to Networking
  Stanley Cohen, UMDNJ-New Jersey Med Sch

Panel Discussion

Special Registration Required for the 10th Annual Career Development Program & Lunch
See registration form on page 11, or register online at www.asip.org
Deadline to pre-register: April 2, 2010
2:00PM – 5:00PM  Liver Pathobiology Symposium: Hepatocellular Cancer: At the Crossroads of Liver Injury and Repair  
*Chaired: S. Paul Monga (Univ of Pittsburgh) & Xiao-Ming Yin (Univ of Pittsburgh Med Sch)*  
Sponsored by the ASIP Liver Pathobiology Scientific Interest Group

- **The Role of S-adenosyl-L-methionine in Liver Injury and Cancer**  
  Shelly C. Lu, Keck Sch of Med of USC

- **TBD**  
  Karl G. Sylvester, Stanford Univ Sch of Med

- **Coupling of Proliferation and Cell Death in Liver Carcinogenesis by Bid, a Bcl-2 Family Protein**  
  Xiao-Ming Yin, Univ of Pittsburgh Med Sch

- **Signaling Interactions in Initiation and Termination of Liver Regeneration**  
  George K. Michalopoulos, Univ of Pittsburgh

- **New Perspectives on the Regulation of Liver Regeneration and Carcinogenesis**  
  Nelson Fausto, Univ of Washington

- **Hepatocellular Carcinoma: Inflammation as a Driver of Carcinogenesis**  
  Gregory J. Gores, Mayo Clinic

2:00PM – 5:00PM  You Only Build Me Up to Tear Me Down: The Ubiquitin Proteasome Pathway in Disease  
*Chaired: Monte S. Willis (Univ of North Carolina) & Stewart H. Lecker (Beth Israel Deaconess Med Ctr and Harvard Med Sch)*  
Short presentations selected from abstract submissions

- **Regulation of Cardiac Hypertrophy and Metabolism by the Ubiquitin Ligase Muscle Ring Finger-1 (MuRF1)**  
  Monte S. Willis, Univ of North Carolina

- **The Role of Atrogin-1 in Muscle Wasting and Damage**  
  Stewart H. Lecker, Beth Israel Deaconess Med Ctr and Harvard Med Sch

3:00PM – 5:00PM  Blood Vessel Club: Are Proteases Accelerating or Braking Inflammation?  
*Chaired: Elaine W. Raines (Univ of Washington - Harborview Med Ctr) & William C. Parks (Univ of Washington)*

- **Evidence for MMPs in Action: Pro and Anti-inflammatory Properties**  
  Farrah Kheradmand, Baylor Coll of Med

- **TBD**  
  Elaine W. Raines, Univ of Washington - Harborview Med Ctr

- **In addition to invited speakers, talks will be included from abstract submissions**

5:00PM - 6:00PM  Rous-Whipple Award Lecture: Mechanobiology and Diseases of Mechanotransduction  
*Award Recipient: DONALD E. INGBER (Harvard Med Sch/Children’s Hosp Boston)*

6:00PM - 7:30PM  Club Hepatomania  
*Chaired: S. Paul Monga (Univ of Pittsburgh)*  
Sponsored by the ASIP Liver Pathobiology Scientific Interest Group

This informal social event is geared towards all ASIP members with an interest in Liver Biology. The program will include a select number of posters that will be selected for discussion. More importantly, this will be a social networking session and a great opportunity to make new friends or talk to old ones. Another purpose of this session is to bring all the folks who share a passion for liver research under the same roof for additional discussions and an incentive to our new collaborations. Complimentary wine and cheese will be available to all in attendance. We will also highlight the liver specific programs of our next ASIP meeting at EB 2011 in Washington, DC.
Monday, April 26, 2010

8:30AM - 11:30AM  ACVP Symposium: One Health: Globalization of Health Threats  
Chaired: Mark McArthur (Univ of Texas MD Anderson Cancer Center) & Wendy G. Halpern (Genentech, Inc)  
Sponsored by ASIP and the American College of Veterinary Pathologists  
■ A Tapestry of Travel and Trade: An Overview of One Health in the Age of Globalization  
  Corrie Brown, Univ of Georgia Coll of Vet Med  
■ "Biodefense - How "Global" is Global?  
  Gary D. Coleman, Defense Threat Reduction Agency  
■ Bugs Behaving Badly  
  James Mallory Musser, Methodist Hospital Research Institute  
■ Global Foodborne Threats or "Where Did That Mouthful of Food Come From?"
  Robert H. Poppenga, UC Davis Sch of Vet Med

8:30AM - 11:30AM  Dynamic Changes in Cellular and Molecular Events in Leukocyte Transmigration  
Chaired: Sussan Nourshargh (William Harvey Research Inst) & Francis W. Luscinskas (Brigham & Women’s Hosp)  
■ Cytoskeletal Regulation of Leukocyte Transmigration and Endothelial Integrity  
  Christopher V. Carman, Beth Israel Deaconess Med Ctr  
■ Endothelial Adhesive Platforms and Docking Structures: Molecular Composition, Biophysical Properties, Dynamics and Involvement in Leukocyte Transmigration  
  Olgga Barreiro, Natl Ctr of Cardiovascular Res  
■ Organ-damaging Heterotypic Blood Cell Interactions Mediated by Neutrophil Microdomains  
  Paul S. Frenette, Mount Sinai School of Med  
■ Short Presentations selected from Abstract Submissions  
  **Abstracts will be selected from amongst the Inflammation and Immunopathology and Vascular Biology and Pathology topics**

8:30AM - 11:30AM  Molecular Pathways of Tumorigenesis  
Chaired: Michael L. Cleary (Stanford University Med Ctr) & Kathleen R. Cho (Univ of Michigan)  
■ TBD  
  Michael L. Cleary, Stanford Univ Medical Center  
■ Pancreatic Cancer Genome Project  
  James R. Eshleman, Johns Hopkins Univ  
■ TBD  
  Stephen B. Baylin, Johns Hopkins Univ Sch of Med  
■ Dynamic Linkages Between Histone Modification and Transcriptional Elongation in Leukemia/Lymphoma  
  Kevin Gardner, NCI/NIH  
■ Wnt/b-catenin and PI3K/Akt Signaling Pathway Defects Underlie Ovarian Endometrioid Adenocarcinoma Development in Humans and Mice  
  Kathleen R. Cho, Univ of Michigan

11:30AM - 12:30PM  Outstanding Investigator Award Lecture: Parkinson’s Disease: Converging Insights from Toxin and Genetic Models  
Award Recipient: CHARLEEN CHU (Univ of Pittsburgh Sch of Med)  
Dr. Chu is Associate Professor of Pathology and Ophthalmology, Director of the Ophthalmic Pathology Service, and co-director of the Pathologist Investigator Residency-Research Training (PIRRT) program at the University of Pittsburgh School of Medicine. Dr. Chu obtained her A.B. (Biology) from Harvard University, followed by M.D., Ph.D. (Pathology-Biochemistry) and post-graduate training (Anatomic Pathology, Neuropathology, Ophthalmic Pathology) at Duke University. Dr. Chu’s research centers on the role of kinases in age-related neurodegenerative diseases with an emphasis on mitochondrial dysfunction and macroautophagy. For more information and links, http://path.upmc.edu/personnel/Faculty/Chu.htm.
12:45PM - 1:45PM Veterinary Pathology Special Interest Group Lunch/Networking Session
Chaired: Elizabeth Galbreath (Eli Lilly Laboratories)
Sponsored by the ASIP Veterinary Pathology Scientific Interest Group

2:00PM – 5:00PM Presidential Symposium: Photonics in Medicine: New Approaches to Cell and Tissue Imaging
Chaired: Stanley Cohen (UMDNJ-New Jersey Med Sch)
- Introduction
  Stanley Cohen, UMDNJ-New Jersey Med Sch
- Multispectral Pathology: The Merger of Molecular and Morphological Detail
  Richard R. Levenson, CRi Incorporated
- Optical Spectroscopy and Low-coherence Interferometry for Cancer Detection and Analysis
  Adam P. Wax, Duke Univ
- Applications of Optical Coherence Tomography for Biomedical Research and Clinical Diagnosis
  Stephen Boppart, Univ of Illinois at Urbana-Champaign
- Magnetic Resonance Histology
  Alexandra Badea, Duke Univ Med Ctr
- Surface Plasmon Resonance and Cellular Impedance as Complementary Probes of Intracellular Dynamics
  Stanley Cohen, UMDNJ-New Jersey Med Sch

5:00PM - 6:00PM ASIP Awards Presentation and Membership Business Meeting
Chaired: Stanley Cohen (UMDNJ-New Jersey Med Sch)

6:00PM - 8:00PM ASIP Awards Reception
Open to ALL attendees of Experimental Biology 2010

Tuesday, April 27, 2010
8:30AM – 5:00PM Molecular and Cellular Basis of Disease: Mitochondrial Medicine and Longevity
Chaired: Sebastiano Andò (Università degli studi della Calabria)
Sponsored by ASIP and Società Italiana di Patologia (Italian Society of Pathology).
In addition to invited speakers, talks will be included from abstract submissions

SESSION I
Chaired: Claudio Franceschi (Università degli studi di Bologna ) & Gerald S. Shadel (Yale Univ Sch of Med)
- Pharmacological Correction of Mitochondrial Diseases
  Paolo Bernardi, Univ of Padova
- Oxidative Stress and Mitochondrial DNA Mutations
  Carlos T. Moraes, Univ of Miami
- Mitochondrial DNA Mutations and Cancer
  Douglas C. Wallace, Univ of California, Irvine College of Med
- Involvement of Mitochondria in HIV Infection and Therapy
  Andrea Cossarizza, Modena and Reggio Emilia Univ Sch Med

SESSION II
Chaired: Sebastiano Andò (Università degli studi della Calabria)
- Mitochondria, Calcium and Regulation of Apoptosis and Autophagy
  Rosario Rizzuto, Università degli studi di Ferrara
- NO, Mitochondrial Biogenesis and the Metabolic Syndrome
  Salvador Moncada, Univ College London
- Mitochondrial Fission and Neurodegeneration
  Stuart Lipton, Burnham Center for Neuroscience
- Centenarian Studies as Novel Pharmacogenic Tools
  Calogero Caruso, Università degli studi di Palermo
- Mediterranean Diet and Longevity
  Emilio Jirillo, Università degli studi di Bari
8:30AM - 11:30AM  Heart Valve Pathobiology, Cells, Matrix and Development
Chaired: Avrum I. Gotlieb (Univ of Toronto)
Sponsored by ASIP and the Society for Cardiovascular Pathology
- The Response to Valve Injury: A Paradigm to Understand the Pathogenesis of Heart Valve Disease
  Avrum I. Gotlieb, Univ of Toronto
- Transcriptional Regulation of Heart Valve Development and Disease
  Katherine E. Yutzey, Cincinnati Children’s Med Ctr
- Biophysical Regulation of Aortic Valve Pathology
  Craig Simmons, Univ of Toronto
- Osteoblastogenesis in Aortic Valve Disease: The Potential for Medical Therapy
  Nalini Rajamannan, Northwestern Univ

8:30AM - 11:30AM  ISBER Symposium: Biological Banking: The Foundation for Translational Research
Chaired: Rajiv Dhir (UPMC Shadyside) & Cheryl Michels (Dataworks Development, Inc.)
Sponsored by ASIP and the International Society for Biological and Environmental Repositories
- Operational Aspects of a Tissue Bank
  Rajiv Dhir, UPMC Shadyside
- Informatics Issues and Biobanks
  Cheryl Michels, Dataworks Development, Inc.
- Medico-legal Aspects of Tissue Banking: Who Owns the Tissues; MTA Related Issues
  Roger L. Aamodt, Aamodt Enterprises
- Searching for the Right Tissues: The TCGA Experience
  Carolyn C. Compton, NCI/OD
- Patient Advocacy and Empowering Research
  Paula Kim, Translating Research Across Communities (TRAC)

2:00PM – 5:00PM  Bioinformatics Workshop
Chaired: Arul M. Chinnaiyan (Univ of Michigan) & Christopher Maher (Univ of Michigan)
Sponsored by the ASIP Informatics Scientific Interest Group
- TBD
- Recurring Mutations Found by Sequencing an Acute Myeloid Leukemia Gene
  Elaine R. Mardis, Washington Univ
- Gene Fusion Discovery in Human Cancers Using Next generation Transcriptome Sequencing
  Christopher Maher, Univ of Michigan
- Genetic Variation in an Individual Human Exome
  Robert L. Strausberg, J. Craig Venter Institute

2:00PM – 5:00PM  Mending Broken Hearts: From Pathogenesis to Treatment of Cardiac Infection and Inflammation
Chaired: David M. Engman (Northwestern Univ)
- Pathogenesis of Autoimmune Myocarditis
  Noel R. Rose, Johns Hopkins Med Inst
- Molecular Mimicry, Autoimmunity and Infection: From Viral myocarditis to Cardiomyopathy
  Madeleine Cunningham, Univ of Oklahoma Hlth Sci Ctr
- Molecular Pathogenesis of Chagas Heart Disease
  David M. Engman, Northwestern Univ
- Cardiac and Renal Allograft Rejection and Vascular Inflammation
  William Baldwin, III, Cleveland Clinic Foundation
- Autophagy in Cardiac Health and Disease
  Roberta Gottlieb, San Diego State Univ

Wednesday, April 28, 2010
8:30AM - 11:30AM  Genetics and Molecular Biomarkers of Disease and Nanotechnology
Chaired: Daniel Remick (Boston Univ Sch Med)
- Adventures in Translational Pathology
  Arul M. Chinnaiyan, Univ of Michigan
■ Molecular Genetics of Pancreatic Carcinogenesis and Progression
  Christine A. Iacobuzio-Donahue, The Johns Hopkins Univ Sch of Med

■ Multifunctional Nanoparticles for Theranostics
  Brij Moudgil, Univ of Florida

■ Integrating the Physical/Life Sciences and Engineering
  Travis M. Earles, Executive Office of the President

8:30AM - 11:30AM Glycans and Other Factors in Atherosclerosis

  Chaired: Jonathon W. Homeister (Univ of North Carolina) & Alfonso Pompella
  (Università degli studi di Pisa) Sponsored by ASIP and Società Italiana di
  Patologia (Italian Society of Pathology)

■ Gamma-glutamyltransferase and Atherosclerosis
  Alfonso Pompella, Università degli studi di Pisa

■ Selectins and Selectin Ligands Mediate and Modulate Leukocyte
  Recruitment in Atherosclerosis
  Klaus Ley, La Jolla Institute for Allergy & Immunology

■ A Human-specific Diet-mediated Xeno-auto-antibody Response
  Against Vascular Endothelium
  Ajit Varki, UCSD

■ Fucosylated Glycan-dependent Mechanisms of Atherothrombosis
  Jonathon W. Homeister, Univ of North Carolina

■ Cholesterol Oxidation Products in the Pathogenesis of Atherosclerosis
  Giuseppe Poli, Univ of Turin at San Luigi Hospital
10th Annual Career Development Program & Lunch at Experimental Biology 2010

Mentoring the Mentors

Sunday, April 25, 2010 - 11:45am - 1:45pm
Anaheim Convention Center, Anaheim, CA (USA)

Chairs: Marion C. Cohen & Stanley Cohen

The Career Development Luncheon will offer an opportunity for trainees, mentors, and investigators to hear and discuss the mentoring process as it exists within the global academic framework.

Introduction, Marion C. Cohen, UMDNJ-New Jersey Medical School

Mentoring Through the Eyes of the Mentored, Ashley G. Rivenbark, University of North Carolina School of Medicine

Mentoring Through the Eyes of the Mentor, Paul Monga, University of Pittsburgh School of Medicine

The Role of the Chair Both as Mentor, and Mentor to Mentors, Vinay Kumar, University of Chicago School of Medicine

The Dean’s “Bully Pulpit”: Promoting a Climate of Mentoring, Mark L. Tykocinski, Jefferson Medical College

Overview: The Systems Approach to Networking, Stanley Cohen, UMDNJ-New Jersey Medical School

Panel Discussion

REGISTRATION FORM: ASIP 10th Annual Career Development Program and Lunch
Sunday, April 25, 2010 - 11:45 AM - 1:45PM

Trainee and Student Members - FREE if Registered by April 2, 2010!

☐ ASIP Trainee & Student Members - FREE
☐ AAA Student - FREE
☐ Faculty/Staff/Other $20.00 - Deadline to pre-register: April 2, 2010

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:_______________________________________________________________________________________

Sponsored by the ASIP Committee for Career Development, Women and Minorities, the American Association of Anatomists, the FASEB Minority Access to Research Careers (MARC) Program, and CADMUS
AMERICAN SOCIETY FOR INVESTIGATIVE PATHOLOGY

MEMBERSHIP APPLICATION

American Society for Investigative Pathology

Investigating the Pathogenesis of Disease

Please print or type:

Candidate Name ________________________________

Position ________________________________________

Institution _______________________________________

Department _______________________________________

Address _________________________________________

City, State, Zip or Postal Code _______________________

Country _________________________________________

Telephone _______________________________________ 

Fax ______________________________________________

Email ___________________________________________

Birthdate _________________________________________

Degrees: [ ] MD [ ] PhD [ ] DVM [ ] Other________

Gender (Optional Information): [ ] Male [ ] Female

Scientific Interest Groups

Please check all that apply:

[ ] Analytical and Molecular Morphology
[ ] 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. Neuropathology
  [ ] 4. Other: _______________________

[ ] Tissue Banking
[ ] Vascular Pathobiology
[ ] Veterinary Pathology

2010 Annual Dues

Regular Membership Categories:

Online AJP/JMD

[ ] USA & International (one year) $177 US
[ ] USA & International (two years) $340 US

Print/Online AJP/JMD

[ ] USA (one year) $227 US
[ ] USA (two years) $440 US
[ ] Can/Mex (one year) $302 US
[ ] Can/Mex (two years) $590 US
[ ] International (one year) $322 US
[ ] International (two years) $630 US

Associate Membership Categories:

Print/Online AJP/JMD (one year) $135 US
Print/Online AJP/JMD (two years) $260 US
Online AJP/JMD (one year) $85 US
Online AJP/JMD (two years) $160 US

Trainee Membership Categories:

Print/Online AJP/JMD (one year) $100 US
Print/Online AJP/JMD (two years) $195 US
Online AJP/JMD (one year) $50 US
Online AJP/JMD (two years) $95 US

Trainee Applicants

Please have your supervisor or head of educational unit complete the following:
I verify that this applicant is a student, fellow, or resident in my training program.

__________________________  __________________________
Name (please print)        Signature

Payment:

[ ] Check - Make payable to ASIP
[ ] Credit Card [ ] VISA [ ] MasterCard [ ] American Express

Card # ___________________________  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, Bethesda, MD 20814-3993 (USA)
www.asip.org, Phone: (301) 634-7130, Fax: (301) 634-7990, or Email: asip@asip.org
INVESTIGATING THE PATHOGENESIS OF DISEASE

SAVE THE DATE!

ASIP Annual Meeting at Experimental Biology 2011
April 9-13, 2011
Washington, DC

For more information, visit:

www.asip.org
**Directors**
Martha B. Furie, PhD, Stony Brook University, Richard N. Mitchell, MD, PhD, Harvard Medical School and Brigham & Women’s Hospital

**Preliminary Program**
**Saturday, June 26, 2010**
- Mechanisms of cell injury and cell death
- Autophagy
- Apoptosis
- Neuroprotective and neuroregenerative strategies to limit brain injury

**Sunday, June 27, 2010**
- Leukocyte activation
- Leukocyte-mediated tissue injury
- Leukocyte recruitment
- Inflammasome-mediated inflammation
- Resolution of inflammation

**Monday, June 28, 2010**
- Stem cells in tissue regeneration
- Atherosclerosis: inflammation and wound healing in the vessel wall

**Faculty**
Charleen Chu, MD, PhD, University of Pittsburgh
Martha B. Furie, PhD, Stony Brook University
Bruce Levy, MD, Harvard Medical School and Brigham & Women’s Hospital
Andrew Lichtman, MD, PhD, Harvard Medical School and Brigham & Women’s Hospital
Richard N. Mitchell, MD, PhD, Harvard Medical School and Brigham & Women’s Hospital
Scott Oakes, MD, University of California
Kevin Roth, MD, PhD, University of Alabama - Birmingham
Kenneth L. Rock, MD, University of Massachusetts School of Medicine
Amy Wagers, PhD, Harvard Medical School

Pending CME Approval

www.asip.org
American Society for Investigative Pathology
2010 Annual Meeting at
Experimental Biology
April 24-28, 2010 - Anaheim, CA (USA)
GUEST SOCIETIES

American Society for Investigative Pathology
INVESTIGATING THE PATHOGENESIS OF DISEASE

American College of Veterinary Pathologists
American Society for Matrix Biology
International Society for Analytical and Molecular Morphology
International Society for Biological and Environmental Repositories
Società Italiana di Patologia/Italian Pathology Society
Society for Cardiovascular Pathology

First Class
U. S. Postage
PAID
Bethesda, MD
 Permit No. 7004