

Tuesday, April 21, 2009

- **Beyond Genomics: Epigenetic Pathogenesis of Cancer**
SYMPOSIUM 8:30 AM
Chaired: Ashley G. Rivenbark & Timothy H. Bestor
 - Epigenomics: Histone modifications and DNA methylation in cancer development
A.G. Rivenbark, Univ North Carolina-Chapel Hill Sch of Med
 - Integrative genetics and epigenetics of cancer stem cell genomes
J.F. Costello, UCSF
 - Epigenomic alterations during development and cancer progression
J.C. Rice, Univ of Southern California Keck Sch of Med
 - Triple-negative breast cancers express a hypermethylation defect
W.B. Coleman, Univ of North Carolina-Chapel Hill Sch of Med
 - DNA methylation and breast cancer
T.H. Bestor, Columbia Univ Med Ctr

Supported by unrestricted educational grants from:



- **Molecular Mechanisms and Dynamics of Leukocytes Breaching Tissue Barriers**
SYMPOSIUM 8:30 AM
Chaired: Sean P. Colgan & William A. Muller
 - TBD
S.J. Weiss, Univ of Michigan
 - Endothelial cell regulation of leukocyte diapedesis
F.W. Lusinskas, Brigham & Women's Hosp
 - TBD
S. Nourshargh, Imperial Col Sch of Med
 - The N-formyl chemotactic peptide receptor: New insights into neutrophil and epithelial function
A. Jesaitis, Montana State Univ

AWARD LECTURE

- **ASIP Cotran Established Investigator Award Lecture**
11:30 AM
Speaker: TBD
- **Which Way the Wnt Blows: Implications in Tissue Pathobiology**
SYMPOSIUM 2:00 PM
Chaired: Asma Nusrat & Youhua Liu
 - Dissecting the molecular mechanisms of Wnt signaling
R. Habas, UMDNJ-Robert Wood Johnson Med Sch
 - Towards therapies using modulators of Wnt/ β -catenin signaling
R. Moon, Univ of Washington
 - TBD
C. Niehrs, German Cancer Res Ctr
 - Diverse roles for Wnt signaling in gastrointestinal development
R. Shivdasani, Dana Farber Cancer Inst
 - Wnt signaling: A tale of two coactivators
M.S. Kahn, Univ of Southern California

Wednesday, April 22, 2009

- **Pathobiology: Genetically Engineered Mouse Models**
SYMPOSIUM 8:30 AM
Chaired: Alexander Nikitin & Robert D. Cardiff
 - Introduction to homologous recombination and transgenesis
O. Smithies, UNC Hosp
 - Introduction to mouse models of human disease
A. Nikitin, Cornell Univ
 - Mouse models of atherosclerosis
N. Maeda, Univ of North Carolina
 - Mouse models of disease
J.M. Crawford, Univ of Florida Col of Med
 - One gene, one pathology, one medicine!
R.D. Cardiff, Univ of California, Davis Med Ctr

Career Development for Young Investigators

Our program at EB 2009 will continue our tradition of reaching out to trainees and young investigators through career development workshops, sessions that showcase research by our trainee members, targeted merit and travel awards, and a full-day course on essential concepts in pathobiology. *More information at www.asip.org*

Submit Your Abstracts

Abstract-driven minisymposia and poster sessions are critical to making our program as strong and timely as possible. We encourage you to submit your abstracts to ASIP topic categories, which cover a broad range of research areas related to investigative pathology. To request your copy of the Call for Abstracts, please email your request to: meetings@asip.org.

ASIP Membership Benefits

Members of ASIP receive substantially reduced meeting registration fees. For more information about ASIP membership or to apply online, please visit the ASIP website at www.asip.org.

Deadlines:

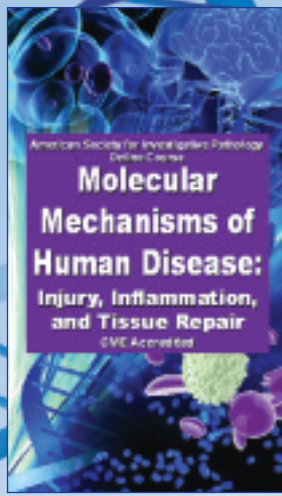
- Abstract Deadline: November 5, 2008
- ASIP Trainee Awards Deadline: November 12, 2008
- Early Registration Deadline: February 9, 2009
- Housing Deadline: March 20, 2009

Coming in 2009!

ASIP Online Course

Molecular Mechanisms of Human Disease: Injury, Inflammation, and Tissue Repair

Organizers: Martha B. Furie, PhD and Richard N. Mitchell, MD, PhD

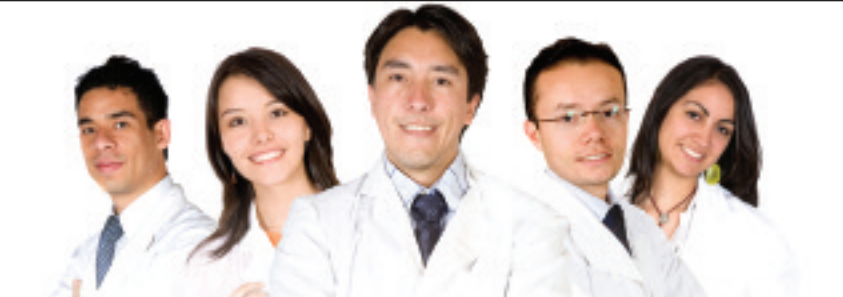


In July 2008, ASIP hosted the 2008 ASIP Summer Academy: Molecular Mechanisms of Human Disease, Injury, Inflammation and Tissue Repair. In 2009, this course will be offered online complete with CME & Self-Assessment Modules. This course is designed for students, technologists, fellows, faculty, and scientists from academia and industry desiring a better understanding of the mechanisms underlying basic physiologic processes and how those pathways contribute to pathology and disease. Visit the [ASIP website at www.asip.org](http://www.asip.org) for complete registration information.



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Bethesda, MD 20814-3993 (USA)
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Email: meetings@asip.org
www.asip.org

ASIP Divisions:
International Society for Biological and Environmental Repositories
www.isber.org
Pulmonary Pathology Society
www.pulmonarypath.org



ASIP's 9th Annual Career Development Program and Lunch

Winning in the Granting Process - Pathology

Sunday, April 19, 2009 - 11:45 AM - 1:45PM
Ernest N. Morial Convention Center,
New Orleans, LA
Chairs: Dani Zander, Pennsylvania State College of Medicine & Jayne Reuben, Baylor College of Dentistry

Sponsored by the ASIP Committee for Career Development, Women & Minorities and the FASEB Minority Access to Research Careers (MARC) office

PROGRAM

- Improving NIH peer review
T. Scarpa, NIH
- Advancing to your first independent grant proposal
A.I. Gottlieb, University of Toronto Medical College
- There is always a second chance to make a good first impression!
G.K. Michalopoulos, University of Pittsburgh Medical School
- Still learning the ropes after forty years
M.F. Lipscomb, University of New Mexico School of Medicine
- Navigating grant submissions for the newbie
M.E. Sobel, ASIP

REGISTRATION FORM: Mentoring Program (Includes Lunch)
Sunday, April 19, 2009 - 11:45 AM - 1:45PM

Trainee and Student Members FREE if registered by March 27, 2009

<p>Mail or Fax Registration Form to: Tara A. Snethen, CAE, CMP Senior Director of Society Services Phone: 301-634-7130 Fax: 301-634-7990 Email: meetings@asip.org American Society for Investigative Pathology 9650 Rockville Pike Bethesda, MD 20814 USA www.asip.org</p>	<p><input type="checkbox"/> ASIP Trainee and Student Members - FREE <input type="checkbox"/> AAA Student - FREE <input type="checkbox"/> Faculty/Staff/Other \$20.00 - Deadline to pre-register: March 27, 2009</p> <p>Name _____ Department _____ Institution _____ Address _____ City _____ State _____ Zip _____ Country _____ Phone _____ Fax _____ Email (required) _____</p> <p>Payment must accompany this registration (For Faculty/Staff/Other) Make checks payable to ASIP. Mail or fax registration form and payment. Credit card info: <input type="checkbox"/> MasterCard <input type="checkbox"/> VISA <input type="checkbox"/> American Express Card# _____ Exp. Date: _____ Amount: _____ Name on Card: _____ Signature: _____</p>
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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








Investigating the Pathogenesis of Disease

ASIP
Annual Meeting at
Experimental
Biology
April 18-22, 2009
New Orleans, LA

- Guest Societies:
- American College of Veterinary Pathologists
 - American Society for Matrix Biology
 - International Society for Analytical and Molecular Morphology
 - International Society for Biological and Environmental Repositories
 - Pulmonary Pathology Society
 - Societa Italiana di Patologi
 - Italian Pathology Society
 - Society for Cardiovascular Pathology

AMERICAN SOCIETY FOR INVESTIGATIVE PATHOLOGY

Annual Meeting at Experimental Biology

April 18-22, 2009
New Orleans, LA
www.asip.org



AMERICAN SOCIETY FOR INVESTIGATIVE PATHOLOGY

Annual Meeting at Experimental Biology 2009

Investigating the Pathogenesis of Disease



We invite you to attend the **Annual Meeting of the American Society for Investigative Pathology to be held in New Orleans, LA at the Ernest N. Morial Convention Center from April 18-22, 2009**, in conjunction with Experimental Biology 2009. The scientific meeting will include a diverse and exciting program 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 (ASMB)**, the **American College of Veterinary Pathologists (ACVP)**, the **Pulmonary Pathology Society (PPS)**, the **International Society for Analytical and Molecular Morphology (ISAMM)**, the **International Society for Biological and Environmental Repositories (ISBER)**, the **Society for Cardiovascular Pathology (SCVP)**, and the **Italian Pathology Society (SIP)**.

Topics for symposia and award lectures include biology of aging, stem cells in lung development and disease, cancer stem cells, circulating tumor cells, interdisciplinary approaches to liver disease, miRNA in health and disease, genomic models of human disease, resolving cell death and inflammation, epigenetic pathogenesis of cancer, Wnt signaling, pathology and genetics of neurodegeneration, genetically engineered mouse models and the mechanisms of tumorigenesis in the phakomatoses. These events will feature invited talks by leaders in the field including Nobel Laureate Oliver Smithies and Keynote Speaker Irving Weissman. In a continuing tradition, there will also be several symposia focused on various aspects of vascular biology that will cover autophagy, inflammation and vascular remodeling. Some of the symposia include autophagy in cardiac and vascular pathobiology, patrolling vascular interface by leukocytes and molecular mechanisms and dynamics of leukocyte breaching the tissue barriers.

In keeping with ASIP's commitment to support junior investigators and trainee members, the ASIP program at EB 2009 will also include special sessions such as the career development workshops and *'Winning in the Granting Process in Pathology'*. There will also be special sessions to showcase trainee research. Finally, a large number of awards will be presented for outstanding trainee research. There will be an additional session entitled *'Achieving Work Life Balance'*, which is organized by ASIP Committee for Career Development, Women and Minorities. 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 New Orleans.**

Saturday, April 18, 2009

■ Achieving Work-Life Balance WORKSHOP 8:30 AM

Sponsored by the ASIP Committee for Career Development, Women & Minorities
Chaired: Marion C. Cohen & Vallie M. Holloway

- Balancing work and personal life: Challenging but doable!
S.P. Monga, Univ of Pittsburgh
- Does geography matter in career choices?
J. Bond, Pennsylvania State Univ
- Mid-career perspectives on achieving work-life balance: Thinking back and looking forward
K.R. Cho, Univ of Michigan
- Positive strategies for multigenerational challenges
D.S. Zander, Pennsylvania State Col of Med

■ Biology of Aging SYMPOSIUM 8:30 AM

Sponsored by ASIP and SIP
Chaired: Ivonne Ronchetti & David A. Sinclair

- Soft connective tissue calcification
I. Ronchetti, Univ degli studi di Modena e Reggio Emilia
- Vascular calcification in aging and disease
C.M. Giachelli, Univ of Washington Med Ctr
- Ectopic calcification in genetic disorders
D. Quaglino, Univ of Modena e Reggio Emilia
- TBD
D.A. Sinclair, Harvard Med Sch

- The metabolic syndrome
N. Barzilai, Albert Einstein Col of Med
- Novel longevity pathways that suppress neurodegeneration
A. Dillin, Salk Inst for Biological Studies

■ ASMB Lecture: Matrix Metalloproteinases as Effectors of Mucosal Immunity

11:30 AM Sponsored by ASIP and ASMB
Speaker: William Parks

■ Highlights: Graduate Student Research in Pathology

1:30 PM Sponsored by the ASIP Committee for Career Development, Women & Minorities
Chaired: James R. Stone

A W A R D L E C T U R E

- ASIP Excellence in Science Award Lecture
TBD

■ Cancer Stem Cells

SYMPOSIUM 2:00 PM

Chaired: Stewart Sell

- Introduction - History of cancer stem cells
S. Sell, NYS Dept of Health
- Leukemia stem cells
D. Bonnet, Cancer Research UK, London Res Inst
- Stem cells and the mammary microenvironment
G.H. Smith, MBTL, CCR, NCI
- Activation of stemness pathways in human cancer: Implications for decision making in disease management
G.V. Glinsky, Ordway Res Inst

■ Eaten Alive: Autophagy in Cardiac Disease and Atherosclerosis

SYMPOSIUM 2:00 PM Sponsored by ASIP and SCVP

Chaired: Jonathon Homeister & Zhelong Xu

- Angiogenesis/vascular and autophagy
S. Ramakrishnan, Univ of Minnesota
- The role of autophagy in the heart under ischemia/reperfusion
J. Sadoshima, UMDNJ - New Jersey Med Sch
- Oral flora/CV/autophagy
A. Progulsk-Fox, Univ of Florida Col of Dentistry
- Atherosclerosis and autophagy
D.K. Agrawal, Creighton Univ Sch of Med
- Cardiomyocyte autophagy in the pathogenesis of heart failure
J. Hill, Univ of Texas, Southwestern

■ PPS Symposium: Stem Cells in Lung Development and Disease

SYMPOSIUM 2:00 PM Sponsored by ASIP and PPS

Chaired: Sem Hin Phan

- Transcriptional programming of lung progenitor cells
J.A. Whitsett, Cincinnati Children's Hosp Med Ctr
- Mesenchymal stem/progenitor cells in the adult mammalian lung
V. Thannickal, Univ of Michigan
- Molecular regulation of bronchiolar stem cells
B.R. Stripp, Duke Univ Med Ctr
- Stem cells for alveolar epithelial repair
D.N. Kotton, Boston Univ Sch of Med
- The role of bronchioalveolar stem cells in lung injury and lung cancer
C. Kim, Children's Hosp Boston

■ KEYNOTE LECTURE: Normal and Neoplastic Stem Cells

5:00 PM
Speaker: Irving L. Weissman

Sunday, April 19, 2009

■ ISAMM Symposium: Circulating Tumor Cells

SYMPOSIUM 8:30 AM Sponsored by ASIP and ISAMM

Chaired: L. E. Debault & Raymond R. Tubbs

- Welcome and introductory comments
L.E. Debault, Univ of Oklahoma Hlth Sci Ctr
- Molecular pathology of CTC: Lessons from esophageal carcinoma
C.A. Klein, Univ of Regensburg
- Novel methods for detection and characterization of circulating tumor cells
R.J. Cote, Univ of Southern California/Norris Comp Can Ctr
- Development and validation of the cell search assay for circulating tumor cells - analytic performance and clinical utility
H.A. Fritsche, Univ of Texas MD Anderson Cancer Ctr
- Longitudinal molecular studies of CTCs in breast cancer
J.W. Uhr, Univ of Texas SW Med Sch
- The role of CTC monitoring in breast cancer
G.T. Budd, Cleveland Clinic Fndn
- Concluding comments
R.R. Tubbs, Cleveland Clinic Fndn

■ Patrolling the Vascular Interface by Leukocytes

SYMPOSIUM 8:30 AM

Chaired: Francis W. Luscinskas & Myron I. Cybulsky

- Mobilization of monocyte subsets in cardiovascular disease
F.K. Swirski, Massachusetts Gen Hosp & Harvard Med Sch
- The role of leukocytes in the initiation of atherosclerosis
M.I. Cybulsky, Univ of Toronto - Toronto Gen Res Inst
- Trafficking of hematopoietic stem cells
S. Massberg, Deutsches Herzzentrum Muenchen, Technische Universitat Muenchen
- Toll-like receptors in atherosclerosis
L.K. Curtiss, The Scripps Res Inst
- Toll-like receptors and dendritic cells in vascular inflammation
C. Weyand, Emory Univ Sch of Med

■ The Road to Independence - Careers in Pathology

SYMPOSIUM 8:30 AM

Sponsored by the ASIP Committee for Career Development, Women & Minorities and the FASEB Minority Access to Research Careers (MARC) office

Chaired: Tara Sander

- TBD
P.S. Clifford, Med Col of Wisconsin
- TBD
J. Hobin, FASEB Office of Public Affairs
- TBD
N. Lukacs, Univ of Michigan

■ 9th Annual Career Development Program and Lunch: Winning in the Granting Process - Pathology

SPECIAL SESSION 11:45 AM

Sponsored by the ASIP Committee for Career Development, Women & Minorities and the FASEB Minority Access to Research Careers (MARC) office

Chaired: Dani S. Zander & Jayne Reuben

- Improving NIH peer review
T. Scarpa, NIH
- Advancing to your first independent grant proposal
A.I. Gottlieb, Univ of Toronto Med Col
- There is always a second chance to make a good first impression!
G.K. Michalopoulos, Univ of Pittsburgh Med Sch
- Still learning the ropes After forty years
M.F. Lipscomb, Univ of New Mexico Sch of Med
- Navigating grant submissions for the newbie
M.E. Sobel, ASIP

■ Liver Pathobiology Symposium: Interdisciplinary Approaches to Liver Disease

SYMPOSIUM 2:00 PM

Sponsored by the ASIP Liver Pathobiology Scientific Interest Group

Chaired: Harriet C. Isom

- Replacing liver cells for cell compartment-specific therapies
S. Gupta, Albert Einstein Col of Med
- Transcription coactivators in liver function
J.K. Reddy, Northwestern Univ, The Feinberg Sch of Med
- TBD
S.A. Weinman, UTMB
- Evolving mechanisms and emerging treatment strategies for hepatic fibrosis
S.L. Friedman, Mt Sinai Sch of Med
- TBD
S. Thorgeirsson, NCI, NIH
- A novel "patient-like" rat model of cholangiocarcinoma progression highly suitable for the rapid *in vivo* testing of target-based therapies
A.E. Sirica, Virginia Commonwealth Univ, Med Col of Virginia

■ Mechanisms of Tumorigenesis in the Phakomatoses

SYMPOSIUM 2:00 PM

Chaired: Steven L. Carroll

- Neurofibroma formation in mice: Timing and targets
N. Ratner, Cincinnati Children's Hosp Med Ctr
- Pathogenesis of NF1-associated peripheral nerve sheath tumors
S.L. Carroll, Univ of Alabama at Birmingham Medical Center
- Protein kinase A dysregulation and its role in schwannoma formation: Interactions with the NF proteins and their downstream signaling pathways
L.S. Kirschner, The Ohio State Univ
- Using mouse brain tumor models to understand the pathogenesis of NF1-associated glioma
D. Gutmann, Washington Univ, Sch of Med

■ BLOOD VESSEL CLUB: Genetic Approaches to Vascular Disease

SYMPOSIUM 4:00 PM

Sponsored by ASIP & the North American Vascular Biology Organization

Chaired: Luisa Iruela-Arispe & Douglas A. Marchuk

- Molecular genetic mechanisms of vascular malformation pathogenesis: Lessons from human and mouse genetics
D. Marchuk, Duke Univ Med Ctr
- Vascular stability and malformations
D. Li, Univ of Utah

■ Rous-Whipple Award Lecture: Liver Regeneration

5:00 PM

Speaker: George K. Michalopoulos

■ Club Hepatomania

6:00 PM

Sponsored by ASIP Liver Pathobiology Scientific Interest Group

Monday, April 20, 2009

■ ACVP Symposium: From Bench to Bedside: Impact of Canine Genomics on Human Disease

SYMPOSIUM 8:30 AM

Sponsored by ASIP and ACVP

Chaired: Elizabeth Whitley & John Erby Wilkinson

- Introduction: One medicine: Canine genomic models of human disease
E. Whitley, Auburn Univ
- Canine carcinogenesis: Insights from studies of canine diseases
V. Yuzbasyan-Gurkan, Michigan State Univ
- A comparative approach to metastasis biology and therapy
C. Khanna, NIH

- Canine models of inherited neurologic disease
D.P. O'Brien, Univ Missouri-Columbia College of Vet Med
- Systems biology integration of molecular profiling data aids mechanistic understanding of drug-induced vascular injury in dogs
E.Floyd, Pfizer, Inc.

■ Pathobiology of Angiogenesis: Update 2009

SYMPOSIUM 8:30 AM

Chaired: Harold F. Dvorak A Tribute to Dr. Judah Folkman

- Introductory remarks, tribute to Dr. Judah Folkman
H.F. Dvorak, Beth Israel Deaconess Med Ctr
- The angiogenesis activity of axon guidance mediators
M.S. Klagsbrun, Children's Hosp, Boston
- Stromal signaling pathways as targets for cancer therapy
L.E. Benjamin, Beth Israel Deaconess Med Ctr
- Vessels without lumens: The dark side of angiogenesis
L. Iruela-Arispe, UCLA
- Normalization of tumor microenvironment by antiangiogenic therapy: Bench to bedside and back
R.K. Jain, Mass General Hosp

■ Trends in Experimental Pathology: miR'ley Making Sense of it All: Novel Implications of Micro RNA in Disease and Therapies

SYMPOSIUM 8:30 AM

Supported by an unrestricted educational grant from the Robert E. Stowell Endowment Fund
Chaired: Wing C. Chan & Mark Alan Feitelson

- TBD
G. Mor, Yale Univ Sch of Med
- Targeting the miR-17-92 cluster for treatment of mantle cell lymphoma
K. Fu, Univ of Nebraska Med Ctr
- A non-coding RNA revolution in the Cancer Society (Non-coding RNA paradigms in medical practice)
G.A. Calin, The Univ of Texas MD Anderson Cancer Ctr
- miRNAs in cardiovascular development and disease
D-Z. Wang, Univ North Carolina
- TBD
J. Friedman, Univ of Pennsylvania

■ ASIP Outstanding Investigator Award Lecture: New Approaches to the Pathology and Genetics of Neurodegeneration

11:30 AM

Speaker: Mel Feany

■ ASIP Presidential Symposium: Resolving Cell Death and Inflammation: Implications in Disease

SYMPOSIUM 2:00 PM

Chaired: Linda McManus

- In the PINK1: Mitochondrial kinases and autophagic neurodegeneration
C.T. Chu, Univ of Pittsburgh Med Sch
- TBD
P.M. Henson, National Jewish Med Res Ctr
- A systems approach to inflammation reveals a new genus of anti-inflammatory and pro-resolving mediators
C.N. Serhan, Brigham & Women's Hospital

■ ASIP Awards Presentation and Membership Business Meeting

5:00 PM

Chaired: Linda McManus, President, ASIP

This session will be immediately followed by an Awards Reception; All EB attendees are welcome to attend.

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