President’s Message

Peter M. Howley

It is a real honor and pleasure for me to begin my service as the President of the American Society for Investigative Pathology for 2006-2007. Today, as a research society, the ASIP is in fine shape. It has benefited from outstanding leadership from its officers, its council, and its committees. We are fortunate to have Mark Sobel as our executive officer as well as an outstanding staff in our Bethesda office. The past few years have been very positive for the ASIP. Its membership has grown and it has developed strategic partnerships with a number of other research and pathology societies. The American Journal of

(Continued on page 2)

Past President’s Valedictory

Stephen Galli

It has been an honor and privilege to serve as the President of the ASIP. In this role, one comes to appreciate the extraordinary strengths of our membership, as well as the remarkable dedication, professionalism and effectiveness of our organization’s staff. I would like to begin these brief notes with some comments about our staff.

Our Executive Officer, Mark Sobel, continues to provide extraordinary leadership for the ASIP. I therefore am delighted to report that Mark has accepted the offer, made by the elected leadership on behalf of the ASIP, to continue in his position for another term of five years. This is very good news for the ASIP.

A significant part of Mark’s effectiveness in his role reflects his ability to recruit and retain a very able and effective senior staff. Based on my own interactions with them, I have come to know the very significant talents and contributions of this group, including (listed alphabetically): James Douglas (Director of Finance and Operations), Maria Eisemann (Managing Editor of ASIP Journals), Mark Pinkel (Accounts Manager), Tara Snethen (Director of Meetings and Membership Services), and Alta Wallington (Director of Marketing). The ASIP is fortunate indeed to have these individuals in its service.

There will soon be a new member of this senior leadership group. Many of you will remember Priscilla Markwood from her previous tenure in ASIP as the

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Pathology remains the flagship journal in experimental pathology and The Journal of Molecular Diagnostics continues to grow in stature and readership. Both journals have outstanding editorial leadership. The financial position of the society has been solidified. The research, education and public affairs missions of the ASIP have been well served.

Notwithstanding these measures of success, there are significant challenges to our society. We are the society for academic as well as non-academic experimental pathology research. Experimental pathology sits at the cusp of basic fundamental science and clinical research related to mechanisms of disease. However, what will be the identity of the ASIP as its membership continues to subspecialize in our research areas? Clearly the research discipline of experimental pathology must continue to evolve and redefine itself. We are moving from an era of reductionist science to one of big science characterized by technology platforms, robotics, screens, etc. We are rapidly moving from the genomic era to the post-genomic era of proteomics, metabolomics, and other -omics. The opportunities in translational research in experimental pathology have never been greater, and ideally this should be a time of growth for our discipline. Unfortunately, the declining NIH and other federal paylines present major challenges. The next few years are likely to be difficult and potentially demoralizing to new investigators as well as established investigators. The ASIP will need to do what it can through its public affairs efforts and working with the other FASEB societies to educate the public to the value of the public investment in biomedical research.

It is now time for another Long Range Plan. Our last Long Range Plan in 2002–2003 was successful in developing strategies to build membership and effect the administrative changes in the ASIP to better serve its membership. A Long Range Planning Committee has now been established by council to position the ASIP for the future. The committee will include members representing various constituencies of our membership. This committee will reexamine the recommendations of the previous Long Range Plan and evaluate how the ASIP has responded to those recommendations. It will identify the needs of the ASIP going forward and determine the best path forward for a society representing the experimental pathology research community.

I look forward to serving you and the ASIP in the coming year. If you are not already, I encourage you all to become active in the society. In the end, the ASIP is only as good as you make it – excellence will require your involvement. Feel free to contact me anytime – your ideas and input would be appreciated.

From the Executive Officer’s Desk

Mark E. Sobel

Summertime and the livin’ is easy, NOT. Here in the Washington, DC metropolitan area, we annually dread the “dog days” of hot and humid August,” but this year in the last week of June, we were hit with “raining cats and dogs” days that will make August seem like an idyllic month. Here in the ASIP Office, there are no lazy days and we are busier than ever, planning for upcoming events and the next round of ASIP award selections and elections. I am heartened that Tara Snethen has returned from maternity leave and is tackling the complicated planning for the 2007 Annual Meeting and that Priscilla Markwood, our former Journal Managing Editor, will be rejoining the ASIP Office after a two and a half year “sabbatical.” Priscilla will be working primarily on coordinating public and scientific policy for ASIP and some of its managed societies, and will be involved in directing society services for the managed groups in our office.

ASIP Annual Meeting at Experimental Biology 2007. ASIP will host a record number of guest societies at its annual meeting in Washington, DC, April 28-May 3. Charles (Chuck) Parkos is chairing the ASIP Program Committee and has organized a complex and diverse scientific program. The American Association of Neuropathologists (AANP), Histochemical Society, and North American Vascular Biology Organization (NAVBO) will merge their annual meetings with ASIP. NAVBO and ASIP are co-sponsoring the Blood Vessel Club, which has been held at FASEB and Experimental Biology meetings since 1971. In addition, ASIP will be joined by (a record number) eight other guest societies, some of whom will program special symposia such as the American College of Veterinary Pathologists symposium on emerging infectious diseases and the Pulmonary Pathology Society symposium on pulmonary hypertension. Of particular note, the Society for Cardiovascular Pathology will be joining us after an
absence of many years, and ASIP’s new affiliate, the Società Italiana di Patologia (SIP) will be the true “newbie” of the guest societies. See the full menu of symposia and special sessions on pages 12-13. Due to the complexity of merging four scientific programs together, some of the usual sessions at our annual meeting will be moved to different times. The annual meeting will actually start off a day early on Friday, April 27 with an optional AANP sponsored course on brain tumors (organized by AANP President Barbara Crain and chaired by Gregory Fuller). Special registration will be required for this course, and AANP is extending its special member registration rate to members of ASIP and its guest societies. The Blood Vessel Club will be held on Monday evening instead of earlier in the program. The ASIP Roux-Whipple Award lecture by Abul Abbas (“Genetics and pathogenesis of autoimmunity”) will be moved from its usual Monday morning slot to Sunday evening, and will be immediately followed by the ASIP Business Meeting and Awards Reception, where Robert Jennings will accept the prestigious ASIP Gold-Headed Cane Award. The Intersociety Council for Pathology Information (ICPI, publisher of the Directory of Pathology Training Programs), of which ASIP is a member, will co-host the ASIP Rewards Reception, in honor of its 50th anniversary. Gerald Shadel will present the ASIP Apgen Outstanding Investigator Award Lecture on “Expression and maintenance of mitochondrial DNA: new insights into human disease pathology” on Sunday morning. Vascular biology will be presented Saturday through Tuesday. The neuropathology program will be mainly presented on Saturday, Sunday and Monday, and will include the AANP Saul Korey Lecture to be presented by Dennis Dickson on “Neuropathology and genetics of Parkinsonism.” The histochemical program will be mainly presented on Monday and Tuesday. The keynote lecture will be presented on Saturday evening by Floyd Bloom (Scripps Research Institute) on “New strategies for defining critical neuropathology in neurodegenerative disorders.” The ASIP President’s Symposium on “Viruses and Human Cancer” will be moderated by Peter Howley in its usual time slot on Monday afternoon. The annual mentoring lunch has morphed into the Annual Career Development Program and Lunch and will be held as usual on Sunday. The theme this year will be “Dancing with Journals,” including a panel of four editors-of-chief of major journals to discuss how to navigate your manuscript through the journal review system.

Remember important deadlines for the annual meeting: Abstract submissions are due November 8, 2006, the early registration deadline is March 2, 2007, and the housing reservation deadline is March 23, 2007. To avoid the perennial internet slowdown when you try to submit your abstract within 48 hours of the deadline along with 8,000 other authors, we strongly recommend that you submit your abstract by October 31.

Public Affairs. ASIP has been working with its sister societies at FASEB as well as its sister pathology organizations on a number of important public affairs issues. We have worked to increase biomedical research funding for NIH and NSF, to expand funding for stem cell research, and to support the teaching of evolution in public schools. ASIP signed as an amicus on the recent court case on teaching evolution that was successfully decided in favor of evolution this past Spring. ASIP has also taken a lead role in interacting with the NIH concerning the Enhanced Public Access to Scientific Literature that went into effect May 2005. I am a member of the National Library of Medicine Working Group that is overseeing the enhanced public access program. As we have previously reported, ASIP has affiliated its journals with PubMed Central to facilitate the submission of our authors’ accepted manuscripts into PubMed Central. ASIP joined many other groups in supporting the AFIP Coalition. ASIP is a supporting member of the Association for the Accreditation of Human Research Protection Programs (AAHRPP). For information about how your institution’s human subjects protection program can be accredited, see the AAHRPP web site at www.aahrpp.org.

ASIP welcomes new FASEB Executive Director Guy Fogleman. Guy Fogleman has been selected as the new Executive Director of FASEB. Dr. Fogleman has a PhD in physics and an MA in mathematics. He was formerly the Director of the Biomedical Research Division and Associate Director for Human Health and Performance at NASA, where he led NASA’s biomedical and biological science and technology programs.

ASIP launches a new job opportunities web site. ASIP’s new Jobs Board is located at www.PathologyJobsToday.org and offers both job seekers and employers/recruiters an interactive venue for finding and posting job opportunities. Job seekers can post their resume anonymously, view the latest jobs in pathology, and create a free personal Job Seeker Account. Employers and recruiters can view the Resumes and CVs, create an Employer Account, and post their jobs online quickly and easily.
Would you like to submit a review article to The American Journal of Pathology? As noted in Maria Eisemann’s Journal News column (page 6), Peter Ward is the AJP Special Associate Editor supervising special review articles in the new Biological Perspectives program. In addition, the AJP will continue to publish traditional Reviews. Jay McDonald, AJP’s Editor-in-chief, extends an invitation to ASIP members to submit a proposal for a Review Article for consideration. Please see the blurb on page 7 that provides details on how to submit a proposal.

ASIP Journal CME Program. ASIP launched two new CME programs this year. The ASIP Journal CME Program in Pathogenesis is based on reading articles in AJP and answering sample questions in each issue. The JMD CME Program in Molecular Diagnostics is based on articles in issues of The Journal of Molecular Diagnostics. Each program is ACCME-accredited for 50 Category I credits. See the full announcement on page 22. ASIP members can register for the journal CME programs at a discount. Even if you are not interested in obtaining CME, I encourage you to look at the questions in each issue since they are designed to emphasize the take-home messages of the articles. Examinations are printed at the end of the articles of each journal issue and are also posted on the ASIP website at www.asip.org/CME/journalCME.htm.

Submit your nominations for Meritorious Awards and for the 2007 Election. It is that time of year when ASIP solicits your nominations for ASIP’s major awards. Nominations are due September 15, 2006. As was the case last year, all submissions must be electronic. See page 18 for more information about the “quadrifecta” of ASIP’s Meritorious Awards. This year we are soliciting candidates for the 2008 ASIP Gold-Headed Cane, the 2008 ASIP Rous-Whipple Award, the 2007 ASIP Chugai Mentoring Award, and the 2008 ASIP Amgen Outstanding Investigator Award. Please note that last year the age requirements were changed for the Rous-Whipple (awardees can be younger) and the Amgen (awardees can be older) awards.

In addition, this Winter ASIP will be electing a new Vice President, Secretary-Treasurer, Program Chair-elect, two Councilors, two members of the Nominating Committee, and two members of the Meritorious Awards Committee. Please submit names for consideration by the Nominating Committee by September 15. For more information, see page 16.

Member and Journal Reader/Author Surveys Coming Soon to your Inbox. To better meet the needs of our members, ASIP will be launching a short member survey this summer. You will be directed to an online link and the survey should take less than three minutes of your time. If you are feeling expansive, an opportunity will be provided for you to respond in more depth. In addition, journal reader and author surveys are being launched this summer.

(Past President continued from page 1)

Managing Editor of AJP and JMD. She currently is Assistant Director of the FASEB Office of Publications. I am delighted to report that Priscilla has accepted Mark Sobel’s offer, made with the agreement and enthusiastic encouragement of the ASIP leadership, to return to ASIP in the newly created leadership position of Director of Scientific Affairs, Communications, and Society Services. In this role, Priscilla will work with Mark and her colleagues in leadership positions in the ASIP office: 1) to coordinate matters related to public policy for ASIP, its Divisions, and its managed societies; 2) to evaluate and, if indicated, oversee the introduction of, new electronic modes of communication for the society’s membership; and 3) to help to provide executive management for the managed societies within the ASIP Office. I hope that you will join me in welcoming Priscilla back to the ASIP.

Some other highlights of the last year include a very successful annual meeting, reflecting the efforts of many, but especially those of our outgoing Program Committee and its Chair, Martha Furie. The Keynote address by Joan Brugge was a special highlight of our meeting. ASIP and its guest societies submitted 364 abstracts to the Experimental Biology meeting, and over 700 scientists from ASIP and its guest societies attended the meeting. ASIP granted 21 trainee travel awards and 4 Minority Trainee Travel Awards (the latter with the generous support of the FASEB MARC Program). This year, in addition to the Experimental Pathologist-in-Training Award (presented to Scott Tomlins), a record number of four Merit Awards were presented (to Dr. Udayan Apte, Mitra Estandiarel, Jennifer Jahn, and Doreen Wesche-Soldato). Among the major highlights of the meeting were lectures by this year’s two Amgen Award recipients, Jonathan Pollack and Jerrold Turner, and by Steven Teitelbaum, this year’s Rous-Whipple Awardee. Michael Lieberman received the prestigious Gold Headed Cane Award.
The society not only ended last year in the black for the second year in a row, but membership exceeded 2,000. The ASIP thus has achieved two goals defined by its long-term planning committee in 2002: 1) moving to a budget which shows revenues exceeding expenses—and this result was accomplished two years ahead of schedule, and 2) increasing our membership. These welcome results reflect a number of factors, all of which in turn reflect the hard and effective work of our staff, the ASIP leadership, and those who worked on the relevant ASIP committees.

We continue to pursue our plan to evaluate additional societies with overlapping and/or complementary interests for affiliate membership in the ASIP as Divisions. Indeed, our current practice, approved by Council, is to agree to take on for new management contracts with the ASIP only those societies willing to consider eventual divisional membership in the ASIP. We hope thereby to expand the number of our Divisions beyond the current two: API (Association for Pathology Informatics, which became a Division in 2004) and ISBER (the International Society for Biological and Environmental Repositories, which joined as a Division in May, 2005). I regret that one of our current managed societies, NAVBO (North American Vascular Biology Organization, which met with ASIP at the 2006 Experimental Biology meeting) has declined, at least for now, the formal offer extended by ASIP to become one of our divisions. Accordingly, our management of NAVBO will end in September. However, NAVBO will again be a guest society of ASIP for the Experimental Biology 2007 Meeting, and we hope at future meetings as well. In addition, the Histochemical Society and the American Association of Neuropathologists are merging their annual meetings with ASIP in 2007. Moreover, the American College of Veterinary Pathologists and the Pulmonary Pathology Society will be guest societies and will organize and co-sponsor major sessions at the annual meeting in 2007. The International Society for Analytical and Molecular Morphology will also return as a guest society and, of course, our Divisions, API and ISBER, also will be represented. We are also very pleased (particularly given the ethnic background of the ASIP’s outgoing President) that the Societa Italiana di Patologia (Italian Pathology Society) is a new affiliated society of ASIP and will be a guest society at Experimental Biology 2007.

The JMD, under the able editorial leadership of Jay McDonald, and with the help of the Publication Committee (chaired by Steven Kunkel), the team of Associate Editors and the journal’s staff, had a very good year, judged either by publishing or financial metrics. The JMD, ably edited by Karen Kaul and published in partnership with the Association for Molecular Pathology, also had a fine year and increased the number of annual issues to five. Oversight for JMD is provided by a joint journal oversight committee made up of ASIP and AMP members who work hard to promote partnership between the two societies and to publish the top molecular pathology papers. The oversight committee was most recently chaired by Jeffrey Kant and is now chaired by Linda McManus.

As I mentioned in my President’s Remarks column in the ASIP Bulletin at the beginning of my term, Nelson Fausto defined the main challenge facing the ASIP: “……to give ASIP a clear identity and reason to exist at a time of sweeping changes in research, publishing and education.” (ASIP Bulletin of February, 2005).

To address this ongoing, as well as long-term, goal, ASIP Council has decided to empanel another Long Range Planning Committee, to revisit issues dealt with by our last such committee, which was chaired by Avrum Gotlieb and which completed its work three years ago. The composition of this committee is described in this Bulletin; do not hesitate to contact its members to express your views about how ASIP can best help to create, as well as to prepare for, its future.

In closing, I wish to congratulate and extend my best wishes to the incoming ASIP President, my medical school classmate and friend, Peter Howley, as well as to my colleagues and friends from many years on ASIP Council, Mark Tykocinski and Linda McManus (who will be next in the orderly line of succession to the ASIP Presidency). I am looking forward to continuing to work on behalf of ASIP with Peter, Mark and Linda, all of the continuing and new members of Council and new chairs of ASIP committees, and Mark Sobel and all of our dedicated professional staff. I wish also to commend and thank Leo Furcht, who is completing a term on the ASIP Council, has represented ASIP on the FASEB Board, and will become the President of FASEB on July 1; in this important role, Leo can add the perspective of our society to those of our sister organizations in FASEB in support of responsible levels of funding for biomedical research and education. Let’s hope that such “organized” efforts will help, but please also consider getting involved in this critical effort personally. Finally, please remember that ASIP will only be as vibrant and relevant as its members wish it to be and make it; please consider further strengthening our organization by offering you ideas, effort, and support.

I hope to see you at the 2007 Annual Meeting in Washington DC!
It has been a busy summer here in the Editorial Office. Our fearless staff (including Assistant Managing Editors Henry Carter and Mike Dustin, Editorial Assistants Rachel Lowery and Stacey Taylor, and Scientific Editor Dr. Audra Cox) continue to deal with the increasingly-complex editorial processes of peer review and production. In addition, the office has been working on a number of new projects, many of which you have heard about in previous issues of the ASIP Bulletin. We anticipate that you will be seeing some of the fruits of our summer labor this fall, as we launch our online pre-publication programs, fastPATH and JMDxpress.

Earlier this year, Dr. Peter A. Ward joined the editorial leadership of The American Journal of Pathology as Special Associate Editor. Dr. Ward has been a longtime contributor to both AJP and ASIP, having served on the Journal’s Editorial Board since 1976 and as society president in 1979. Dr. Ward has earned each of ASIP’s major career awards, receiving first the Warner-Lambert/Parke Davis (now called the Amgen Outstanding Investigator) Award in 1971, the Rous-Whipple Award in 1996, the Gold-Headed Cane in 2001, and most recently the Chugai Mentoring Award in 2005. To date he is the only person to achieve ASIP’s “quadruple crown” of meritorious awards (see the Executive Officer’s Report and the solicitation for award nominees on page 18 for more information). Dr. Ward’s primary focus has been the development of Biological Perspectives, a new series of articles that goes beyond a simple review of material, to present the authors’ unique perspective on the future of their field. These articles will be succinct but pithy, written by experts in various disciplines and accompanied by high-quality mechanistic figures designed to work as stand-alone references. The first of these Biological Perspectives, accompanied by an introductory editorial, appears in the August 2006 issue of AJP. In that article, Dr. Irving Weissman and colleagues from Stanford University discuss the future of tissue-specific stem cells by revisiting current findings in hematopoietic stem cell research.

The AJP continues to receive and publish traditional Reviews. In a population as diverse as AJP’s readership, these Reviews are a valuable means to concisely convey the most relevant information on a given research topic. ASIP members interested in writing a Review Article are encouraged to submit their ideas to the AJP (see details below on submitting your Review Article proposals).

The Journal of Molecular Diagnostics has also been busy with new projects this year. Similar to the AJP, the JMD has begun spotlighting articles with Commentaries, giving perspective and context to the reported

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**Journal News**

Maria Giorla Eisemann

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**The American Journal of Pathology:**

**Cellular and Molecular Biology of Disease**

**Calling all Great Ideas: Proposals for Review Articles**

Great ideas are always welcome. The AJP cordially invites you to submit your proposals for Review Articles.

Interested authors can submit their review proposal, containing the proposed topic, title, brief (1-2 page) outline and current CV to the Scientific Editor at acox@asip.org.

All proposals will be reviewed by the Editor-in-Chief.

Upon approval, review authors will receive detailed instructions on the preparation of their article. All Review Articles are published at no cost to the authors.

Review topics currently under consideration include: Animal models for antitumor intervention • Physiologic functions of caspases • Impact of progenitor cells in atherosclerosis • Metabolic syndrome and cancer • Role of CTGF/CCN2 in fibrotic disorders • Lymphatic angiogenesis in human diseases • MicroRNA in tumorgenesis.
findings. In February, the JMD published its first Technical Advance, a new article type designed to report on the latest technologies and approaches in molecular diagnostics. In May, the JMD began sporting a new cover design, featuring an image related to each issue’s content. The September issue features a number of Review Articles based on the 2005 Beaumont Hospital symposium on molecular pathology. As always, the November issue of JMD will feature abstracts from the Association for Molecular Pathology’s annual meeting.

The most recent Impact Factors were released earlier this summer. The AJP earned a 2005 Impact Factor of 5.796, putting it in second place among all Pathology journals. The JMD remained in 13th position among Pathology journals, with an Impact Factor of 2.885 (up slightly from 2.716 last year). Impact Factor is always of concern to the Journals, and the citation trends contributing to our Impact Factors are something which the Editorial Office has been spending a considerable amount of resources to study. At the same time however, it is important to remember that Impact Factor is but one measure of a journal’s relevance to its field. In total, AJP articles received almost 32,000 citations last year (approximately 5,000 of which contributed to 2005 Impact Factor calculations). More than 300 of AJP’s citations were to papers published in 2005, the same year they were referenced. JMD received close to 600 citations last year (of which 251 were used to calculate the 2005 Impact Factor, plus 35 citations to papers published in 2005). [Source: Thomson Scientific’s 2005 Journal Citation Reports] Another measure of the Journals’ relevance can be seen in our web site usage. The AJP consistently receives about 4 million annual accesses to material on the journal web site. This year’s most-read article in each topic category can be found in the list of Hot Papers (page 8 of this Bulletin). The JMD web site experienced an amazing 20% growth in usage last year. In 2004, material on the JMD web site was accessed approximately 340,000 times; that number grew to more than 400,000 in 2005.

The truest measure of our impact remains the satisfaction of our readers and authors. Here, numbers and statistics can only go so far. To get a more accurate picture of how we can best serve our constituencies, we need your input. The AJP has recently launched author and reader satisfaction surveys. Invitations to participate in the author survey were recently emailed to recent AJP authors (please contact me at meisemann@asip.org if you did not receive an invitation but wish to participate). The reader survey is open to all, and can be found on the AJP web site (www.amjpathol.org). We hope you will take a moment to share your viewpoint and let us know how we can better serve you. As an added enticement, ASIP members who complete the reader survey will receive a $50 discount on the already-reduced member registration to ASIP’s Journal CME program in pathogenesis. Of course, the best reward for all will be an improved Journal, with your input as a guiding force.
Cardiovascular, Pulmonary and Renal Pathology
In the February issue: Am J Pathol 2006, 168:370-385
Novel Role of Toll-Like Receptor 3 in Hepatitis C-Associated
Glomerulonephritis
Markus Wonne, Holger Schmid, Bernhard Banas, Monika Merkle, Anna
Henger, Maximilian Roeder, Simone Blatter, Elisabeth Bock, Matthias
Kretzler, Hermann-Josef Gronze, and Detlef Schlondorff

Cell Injury, Repair, Aging and Apoptosis
In the April issue: Am J Pathol 2006, 168:1107-1118
Elevated Levels of Cholesterol-Rich Lipid Rafts in Cancer Cells
Are Correlated with Apoptosis Sensitivity Induced by Cholesterol-
Depleting Agents
Ying Chun Li, Mi Jung Park, Sang-Kyu Ye, Choi-Woo Kim, and Yong-Nyun
Kim

Epithelial and Mesenchymal Cell Biology
In the January issue: Am J Pathol 2006, 168:90-92
Expression of RNA-Binding Protein Musashi in Hair Follicle
Development and Hair Cycle Progression
Yonko Sugiyama-Nakagin, Masashi Akigami, Shinshuke Shibata, Hideyuki
Okano, and Hiroshi Shimizu

Genomics, Proteomics, Bioinformatics and Gene
Regulation
In the January issue: Am J Pathol 2006, 168:93-103
Profiling Bladder Cancer Using Targeted Antibody Arrays
Marina Sanchez-Carbayo, Nicholas D. Soeci, Juan Jose Lozano, Brian B.
Heab, and Carlos Cordono-Cardo

Gastrointestinal, Hepatobiliary and Pancreatic Pathology
In the February issue: Am J Pathol 2006, 168:423-434
Consequences of Copper Accumulation in the Livers of the
Atp7b-/- (Wilson Disease Gene) Knockout Mice
Dominik Huster, Milton J. Finegold, Clinton T. Morgan, Jason L. Burkhead,
Randall Nixon, Scott M. Vandervis, Conrad T. Gilliam, and Svetlana Lutsenko

Growth Factors, Cytokines, Cell Cycle Molecules
In the January issue: Am J Pathol 2006, 168:131-140
Transforming Growth Factor-ß2 Suppresses Collagen Cleavage in
Cultured Human Osteoarticular Cartilage, Reduces Expression of
Genes Associated with Chondrocyte Hypertrophy and
Degradation, and Increases Prostaglandin E2 Production
Elena V. Tchetina, Jolisa Antoniou, Michael Tanzer, David J. Zukor, and A.
Robin Poole

Immunopathology and Infectious Diseases
In the January issue: Am J Pathol 2006, 168:176-183
Influenza A Virus (H5N1) Infection in Cats Causes Systemic
Disease with Potential Novel Routes of Virus Spread within and
between Hosts
Guus F. Rimmelzwaan, Debby van Riel, Marianne Baars, Theo M. Bestebroer,
Geert van Amerongen, Ron A.M. Foerster, Albert D.M.E. Osterhaus, and Thijjs
Kuiken
• See Also: Related Commentary by Corrie Brown (Am J Pathol 2006, 168:6-8)

Matrix Pathobiology
In the February issue: Am J Pathol 2006, 168:499-510
Increased Expression of Integrin av65 Induces the
Myofibroblastic Differentiation of Dermal Fibroblasts
Yoshinori Asano, Hironobu Inui, Kenichi Yamanaka, Masatoshi Jinrin, and
Kunihiro Tamaki

Most-Read Articles of 2006 in Each Topic Category*

Metabolic, Endocrine and Genitourinary Pathobiology
In the February issue: Am J Pathol 2006, 168:519-523
Failure of Elastic Fiber Homeostasis Leads to Pelvic Floor
Disorders
Xiaoqing Liu, Yun Zhao, Basif Pawlyk, Margot Damaser, and Tiansen Li

Molecular Pathogenesis of Genetic and Inherited Diseases
In the January issue: Am J Pathol 2006, 168:194-194
A Dynamic Relationship between Intracellular and Extracellular
Pools of A8
Salvatore Oddo, Antonella Caccamo, Ian F. Smith, Kim N. Green, and Frank
M. LaFerla

Musculoskeletal Pathology
In the March issue: Am J Pathol 2006, 168:927-935
Detection and Localization of PrPSc in the Skeletal Muscle of
Patients with Variant, iatrogenic, and Sporadic Forms of
Creutzfeldt-Jakob Disease
Alexander H. Foden, Diane L. Ritchie, Mark W. Head, and James W. Ironside

Neurobiology
In the January issue: Am J Pathol 2006, 168:235-244
Neuroprotective and Blood-Retinal Barrier-Preserving Effects of
Cannabinol in Experimental Diabetes
Azza B. El-Remessy, Mohamed Al-Shabrawey, Yousuf Khalifa, Nai-Tao Tsai,
Ruth B. Caldwell, and Gregory J. Liu

Stem Cells, Tissue Engineering and Hematopoietic
Elements
In the February issue: Am J Pathol 2006, 168:529-541
Monocytes/Macrophages Cooperate with Progenitor Cells during
Neovascularization and Tissue Repair: Conversion of Cell
Columns into Fibrovascular Bundles
Mirela Anghelina, Padma Krishnan, Lemi Moldovan, and Nicanor I. Moldovan

Tumorigenesis and Neoplastic Progression
In the February issue: Am J Pathol 2006, 168:608-620
Remodeling of the Mammary Microenvironment after Lactation
Promotes Breast Tumor Cell Metastasis
Shaundae M. McDaniel, Kristen K. Runner, Sandra L. Broc, Richard P. Metz,
Meenakshi Singh, Weston Porter, and Popper Schiedlin
• See Also: Related Commentary by Carlos Sommensehein and Ana M. Soto

Vascular Biology, Atherosclerosis and Endothelium
Biologic
In the February issue: Am J Pathol 2006, 168:639-648
Vascular Endothelial Growth Factor Localization in the Adult
Arindol S.R. Mahary, Magali Saint-Gentier, Angel E. Molina, and Patricia
A. D’Amore

*Based on cumulative number of hits to the AJP website between
January - May 2006. Only articles published in 2006 are included on
this list.

WANT TO KNOW MORE?
Visit ajp.amjpathol.org
to read the full text of these and
other AJP hot papers
The API web site at www.pathologyinformatics.org has enhanced its Resources page to include a section on informatics standards, nomenclature, and web resources. Please visit the site, where applications for membership in the Division can be downloaded. Trainees can take advantage of the Peter J. Becich Education Grant (generously funded by Michael Becich in honor of his father) that funds API trainee memberships.

API and the CAP Foundation will soon be announcing the next recipient of the IMPAC Pathology Informatics Fellowship, which includes funding for two 3-week rotations (one at IMPAC and the other at a pathology informatics center at an academic institution). Last year’s recipient, Dr. John Vallone (University of California, Irvine) reports that he has gained more confidence to help instigate change in a pathology practice, especially in areas where structure and standardized reporting are needed. "Pathologists need to work closer with industry to push change instead of letting industry push the changes onto pathologists," he said. "I have a much better idea of how to interface with a company and feel I can impact future changes needed."

The Laboratory Digital Imaging Project continues to promote the incorporation of diagnostic pathology images into clinical pathology reports and basic research. This group is focused on developing standards for laboratory digital imaging by working with industry vendors, academic- and community hospital-based pathologists to meet their needs. See the API web site for continued progress reports.

Under the leadership of API President-elect Ulysses J. Balis, API recently developed an affiliation with the Health Informatics Society of Australia (HISA) and plans are underway to host the First World Congress on Pathology Informatics in Brisbane, Australia in August 2007. Information about this upcoming meeting will be posted on the API web site soon.

The API community recently mourned the passing of William Dito, who was a recipient of the API Honorary Informatics Fellow Award in 2004. Other awardees include Sidney Goldblatt, Donald Connelly, and Raymond Aller. The next recipient of the API Honorary Informatics Fellow Award will be Dr. Bruce Friedman. Dr. Friedman, a pioneer in pathology informatics and API’s second President, will receive the award at the next APIII (Advancing Practice, Instruction and Innovation through Informatics) Conference, which will be held in Vancouver on August 16-18, 2006. This conference provides a broad overview of applications of biomedical informatics in pathology and oncology practice, education and research.

API recently launched the New Horizons Leadership Fund. Donations will be used to support API’s scientific and educational initiatives. Tax deductible donation forms may be downloaded from the API web site. Please join Drs. Michael Becich (gold sponsor), David Booker and Mark Sobel (bronze sponsors) to help support pathology informatics.
The Committee for Career Development, Women, and Minorities had a busy and successful year. New committee members Roberto Barrios and William Coleman were welcomed earlier this year, and James Stone and Antonia Sepulveda will be joining existing committee members Vallie Holloway and Susan Prattis in July of 2006. We gratefully thank the graduating members of the committee, who include Gary Pasternack, Jim Waldman, Nancy Thompson, Kevin Gardner, Beth Unger, Anne Hamburger, Charleen Chu, and Luisa (LuAnn) DiPietro for their dedicated and generous efforts on behalf of the committee. Gary and Jim will continue to support the committee by chairing next year’s Workshop at Experimental Biology 2007, as will LuAnn, who will be co-chairing the Career Development Program and Lunch.

Work on Experimental Biology ‘07 programs is well underway. The Career Development Program and Lunch (formerly called the Mentoring Program and Lunch) will offer another installment of the very popular program “Dancing with Journals,” and will feature four editors-in-chief of scientific journals who will share their insights and helpful hints about the processes involved in getting one’s work published. This program will be chaired by LuAnn DiPietro and Dani Zander. To recognize a new emphasis not only on mentoring trainees, but also on assisting faculty at all career levels, we have changed the name of the Mentoring Program and Lunch to the “Career Development Program and Lunch.”

“Funding your Research: Non-government Sources” will be the focus of the next Workshop, to complement the 2006 program on government sources of funding. Some exciting changes are planned for the Graduate Student Poster Session. New this year will be the inclusion of 12 poster presentations in addition to the podium presentations that have been included in previous years. Award certificates will be given to those chosen to present their work at this session. The session will be chaired by Vallie Holloway and Scott Tomlins, the 2006 winner of the Experimental Pathologist-in-Training Award.

Other accomplishments of the committee include the participation of co-chair Tara Sander in this year’s national meeting of the SuperMAC, which is an umbrella group whose members include numerous prestigious scientific societies. Tara represented ASIP at this meeting and has helped to facilitate web linkages between the ASIP web site and the Just/Garcia/Hill (JGH) web site, an important site that serves as a career development resource and information clearinghouse for members of underrepresented minority groups in science.

Tara Sander and Dani Zander

ISBER held its fifth annual meeting in Bethesda, April 30-May 3. The meeting attracted a record attendance of over 300 and included 40 exhibitors and 45 abstracts. At the completion of the meeting, Frank Simione (American Type Tissue Collection) took over the Presidency from William Grizzle, who remains on the ISBER Council as Past President. Marianna Bledsoe (National Institutes of Health) is the new President-elect of ISBER. Katherine Sexton (University of Alabama, Birmingham) is a newly elected Councilor. The ISBER Program Committee is now finalizing its plans for the 2007 Annual Meeting in Singapore from May 30 to June 2. The local organizing committee in Singapore is headed by Robert Hewitt (National University Hospital, Singapore), a member of the ISBER Council.

ISBER members are invited to join Special Interest Groups to promote progress in the areas of Cryopreservation (Chair, Jaya Ghosh), Cell Culture (Chair, David Toke), Biospecimen Research (Chair, Scott Jewell), Legal and Ethical Issues (Chair, Riger Aamodt), Repository Information Technologies (Chair, Kevin Meagher), and Repositories Automation Technologies (Chair, Theresa PuiFun Chow). The Special Interest Groups are overseen by ISBER’s Education and Training Committee (Chair, Karen Pitt, Council Liaison Katherine Sexton). See the ISBER web site at www.isber.org for more information about each Special Interest Group.
Dancing with Journals:
A Guide to Submission and Review
Sunday, April 29, 2007 - 11:45am-1:45pm
Renaissance Washington DC Hotel
Room: Renaissance East
Chairs: Luisa DiPietro, University of Illinois at Chicago College of Dentistry
& Dani Zander, Pennsylvania State Milton Hershey Medical Center

Speakers:
Jay McDonald, Editor-in-Chief, The American Journal of Pathology
Kurt Albertine, Editor-in-Chief, Anatomical Record
Kevin A. Roth, Editor-in-Chief, Journal of Histochemistry & Cytochemistry
Michael N. Hart, Editor-in-Chief, Journal of Neuropathology & Experimental Neurology

Ever Wonder...
- What does the editor expect from you as a reviewer?
- Does the editor’s letter really mean your paper has been rejected?
- How can you identify the best journal for your manuscript?
- What should you include and not include in your cover letter for your manuscript?

These and related questions will be addressed. Plan to attend and interact with those who know the ins-and-outs of scientific publication.

REGISTRATION FORM: Career Development Program and Lunch - Sunday, April 29, 2007

Mail or Fax Registration Form by March 23, 2007 to:
American Society for Investigative Pathology
9650 Rockville Pike
Bethesda, MD 20814 (USA)

Phone: 301-634-7130
Fax: 301-634-7990
Email: meetings@asip.org

www.asip.org

Trainee, Student and Associate Members - FREE if Registered by March 23, 2007!
☐ ASIP Trainee Member  ☐ AAA Student Member
☐ AANP Associate Member  ☐ HCS Student Associate
☐ Faculty/Staff/Other - $20.00 - Deadline to Pre-Register: March 23, 2007!

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 & Minorities, the American Association of Anatomists, the American Association of Neuropathologists and the Histochemical Society. Supported by educational grants from Cadmus and the FASEB Minority Access to Research Careers (MARC) Office.
INVESTIGATING THE PATHOGENESIS OF DISEASE

American Society for Investigative Pathology

2007 Annual Meeting at
Experimental Biology
April 28 - May 2, 2007 - Washington DC
www.asip.org/mtgseb07

2007 Joint Annual Meeting of
- American Society for Investigative Pathology (ASIP)
- American Association of Neuropathologists (AANP)
- Histochemical Society (HCS)
- North American Vascular Biology Organization (NAVBO)

Guest Societies:
- American College of Veterinary Pathologists (ACVP)
- American Society for Matrix Biology (ASMB)
- Association for Pathology Informatics (API)
- International Society for Analytical and Molecular Morphology (ISAMM)
- International Society for Biological and Environmental Repositories (ISBER)
- Pulmonary Pathology Society (PPS)
- Society for Cardiovascular Pathology (SCVP)
- Società Italiana di Patologia/Italian Pathology Society (SiP)

Lectures
- AANP SAUL KOREY LECTURE: Neuropathology and Genetics of Parkinsonism
  Dennis W. Dickson (Mayo Clinic Coll. of Med, Jacksonville)
- ASIP KEYNOTE LECTURE: New Strategies for Defining Critical Neuropathology in Neurodegenerative Disorders
  Floyd E. Bloom (The Scripps Res. Inst.)
- ASIP AMGEN OUTSTANDING INVESTIGATOR AWARD LECTURE: Expression and Maintenance of Mitochondrial DNA:
  New Insights into Human Disease Pathology
  Gerald S. Shadel (Yale Univ. Sch. of Med.), Supported by an educational grant from Amgen
- ASIP ROUS-WHIPPLE AWARD LECTURE: Genetics and Pathogenesis of Autoimmunity
  Abul K. Abbas (UCSF)
- NAVBO EARL P. BENDITT AWARD LECTURE: TBD

Symposia
- AANP Presidential Symposium: Updates in Neurodegenerative Diseases
  Chair: Barbara Crain (Johns Hopkins Univ. Sch. of Med.)
- ACVP Symposium: Emerging Infectious Diseases
  Chair: William Castleman (Univ. of Florida Col. of Vet. Med.)
  Co-Chair: Matthew R. Starost (NIH)
  Sponsored by ASIP and the American College of Veterinary Pathologists
- ASIP Presidential Symposium: Viruses and Human Cancer
  Chair: Peter M. Howley (Harvard Med. Sch.)
  Supported by an educational grant from Merck
- ASIP Symposium: Autophagy and Disease Pathogenesis: Cell Suicide or Self Preservation
  Chair: Xiaoming Yin (Univ. of Pittsburgh)
  Co-Chair: Kevin A. Roth (Univ. of Alabama at Birmingham)
- ASIP Symposium: Developmental Pathways in Cancer Progression
  Chair: Carlos Moreno (Emory Univ.)
- ASIP Symposium: Intracellular Transport in Vascular Cells
  Chair: B. Lowell Langille (Toronto Gen. Res. Inst.)
  Co-Chair: Avrum I. Goldie (Univ. of Toronto Fac. of Med.)
  Co-sponsored by the North American Vascular Biology Organization
- ASIP Liver Pathobiology Symposium: Pathobiology of ASH and NASH
  Chairs: Anna Mae Diehl (Duke Univ. Med. Ctr.) & Satdarshan P.S. Monga (Univ. of Pittsburgh)
- ASIP Symposium: Molecular Determinants of Epithelial Polarity
  Chair: Asma Nusrat (Emory Univ.)
- ASIP Symposium: New Developments in Vascular Biology
  Chairs: Myron I. Cybulsy (Univ. of Toronto - Toronto Gen. Res. Inst.) & Martin A. Schwartz (Univ. of Virginia)
  Co-sponsored by the North American Vascular Biology Organization
- ASIP Symposium: Novel Therapies Based on Molecules of the Innate Immune System
  Chairs: H. Anne Pereira (Univ. of Oklahoma Hlth. Sci. Ctr.) & Gregory L. Stahl (Brigham & Women's Hosp.)
- ASIP Symposium: Pharmacogenomics & Targeted Therapies
- ASIP Symposium: Stem Cell Engineering for Therapeutics
Symposia (continued)

- ASIP/HCS Symposium: Trends in Experimental Pathology: Imaging and Histochemistry
  Chairs: Hinke A.B. Mullhaupt (Imperial Col. London) & Elizabeth R. Unger (CDC)
  Sponsored by ASIP and the Histochemical Society
  Supported by an educational grant from the Robert E. Stowell Endowment Fund

- NAVBO Symposium: Hereditary Vascular Disorders: From Cloning to Pathology
  Chair: Douglas A. Marchuk (Duke University Medical Ctr.)

- NAVBO Symposium: Mechanosensing and Signal Transduction in the Vessel Wall
  Chairs: Morton Friedman (Duke Univ.) & Shu Chien (UCSD)

- NAVBO Symposium: Proteogenomic Mapping of Vascular Phenotypes in Health and Disease
  Chair: Jan E. Schnitzer (Sidney Kimmel Cancer Ctr.)

- NAVBO Symposium: Vascular Smooth Muscle Cell Heterogeneity and Signaling
  Chairs: Giulio Gabbiani (Ctr. Med. Univ., Geneva) & Gary K. Owens (Univ. of Virginia)

- NAVBO Vascular Development, Growth & Adaptations Mini-Meeting
  Chair: Robert Tomanek (Univ. of Iowa)
  Co-sponsored by the American Association of Anatomists

- PPS Symposium: The New Frontiers in Pulmonary Hypertension Research
  Chair: Rubin M. Tuder (Johns Hopkins Univ Sch of Med)

Workshops & Special Sessions

- AANN Course: Update on Brain Tumors: Prognostic Markers and Controversies in Diagnosis
  Satellite Meeting on April 27, 2007 - Special Registration Required
  Organizer: Barbara Crain (Johns Hopkins Univ. Sch. of Med.)
  Chair: Gregory Fuller (Univ. of Texas MD Anderson Cancer Ctr.)

- AANN Diagnostic Slide Session
  Chair: E. Tessa Hedley-Whyte (Massachusetts Gen. Hosp.)

- ASIP 7th Annual Career Development Program & Lunch: Dancing with Journals: A Guide to Submission and Review
  Chairs: Luisa D'Pietro (Univ. of Illinois at Chicago Col. of Dentistry) & Dani S. Zander (Penn. State Milton Hershey Med. Ctr.)
  Sponsored by the ASIP Committee for Career Development, Women & Minorities, the American Association of Anatomists, the American Association of Neuropathologists and the Histochemical Society
  Supported by educational grants from Cadmus and the FASEB Minority Access to Research Careers (MARCY) Office

- ASIP Highlights: Graduate Student Posters in Pathology
  Chairs: Vallie M. Holloway (Mayo Clinic of Jacksonville) & Scott A. Tomlins (Univ. of Michigan)
  Sponsored by the ASIP Committee for Career Development, Women & Minorities

- ASIP Workshop: Funding Your Research: Non-government Sources
  Chairs: Gary R. Pasternack (Aqua Partners Inc.) & W. James Waldman (Ohio State Univ. Med. Sch.)
  Sponsored by the ASIP Committee for Career Development, Women & Minorities

- BLOOD VESSEL CLUB: Showcase of Recent Breakthroughs in Vascular Biology
  Chairs: William A. Muller (Weill Med. Col. at Cornell Univ.) & Klaus Ley (Univ. of Virginia)
  Sponsored by ASIP and the North American Vascular Biology Organization

- HCS/ASIP Workshop: Tissue Banking & Sample Preparation
  Chair: Gavin J. Gordon (Brigham & Women's Hosp./Harvard Med. Sch.)
  Co-Chair: Hinke A.B. Mullhaupt (Imperial Col. London)
  Sponsored by ASIP, the Histochemical Society and the International Society for Biological and Environmental Repositories

- HCS Workshop: Tissue Fixation for Molecular Analysis in Pathology & Cell Biology
  Chairs: Denis G. Baskin (VA Puget Sound Hth. Care Systems) & Shan-Rong Shi (USC Keck Sch. of Med.)
  Co-sponsored by ASIP and the International Society for Biological and Environmental Repositories

www.asip.org

Call for Abstracts will be mailed in September 2006
Abstracts Submission Deadline - November 8, 2006
Early Registration Deadline - March 2, 2007
Housing Reservations Deadline - March 23, 2007
Lymphocyte Traffic

Gowans JL, Knight J (1)
The route of circulation of lymphocytes in the rat.

Stamper HB, Woodruff J (2)
Lymphocyte homing into lymph nodes: In vitro
demonstration of the selective affinity of
recirculating lymphocytes for high-endothelial
venules.

Gallatin WM, Weissman IL, Butcher EC (3)
A cell surface molecule involved in organ-specific
homing of lymphocytes.
Nature 304:30, 1983

In a landmark publication (1) Gowans and Knight at the
Dunn School of Pathology in Oxford reported that the
output of lymphocytes from the thoracic duct of rats
(about $10^9$/day) is normally maintained by a large scale
recirculation of cells from blood to lymph. The studies
were made possible by skilled investigators who
mastered the technique of thoracic duct cannulation. The
thoracic duct, the terminal lymphatic draining conduit
that connects the lymphatic and blood vascular systems,
empties its lymphoid cells and protein-rich fluid into the
superior vena cava. It was known that chronic
cannulation of the thoracic duct created a lymphopenic
state, suggesting that after entering the blood, the cells
from the thoracic duct reenter the lymphatic system.

Tracing the fate of RNA-labeled small lymphocytes
collected from the thoracic duct and transfused into the
blood of normal rats, Gowans and Knight found that the
main channel from blood to lymph was within lymph
nodes, and that small lymphocytes entered lymph nodes
by crossing the walls of a specialized set of blood
vessels, the post-capillary venules (PCV).

Autoradiographs showed that after being transfused into
the blood, the labeled small lymphocytes homed rapidly
and in large numbers into lymph nodes, the lymphoid
follicles of the spleen and the Peyer's Patch of the
intestine, but not to thymus or bone marrow. Labeled
small lymphocytes were seen penetrating the high
endothelial cells lining the PCVs of lymph nodes within
15 minutes of being transfused. When the minor
fraction of large lymphocytes from the thoracic duct
were traced, most were found to emigrate to the
intestine where they localized in the stroma of villi and
assumed the appearance of plasma cell precursors. This
finding established that different populations of
lymphocytes emigrated to different anatomical sites

In a companion study (4) using electron microscopy,
Vincent Marchesi, a post-sophomore Pathology Fellow
in Gowan's laboratory, showed that the migration across
PCVs was a normal physiologic process in which the re-
circulating small lymphocytes exited the blood vascular
compartment and reached the lymphatic compartment by
physically entering the endothelial cells of lymph node
PCVs and traversing their cytoplasm. This contrasted
with the migration of granulocytes and monocytes in
inflamed lymph nodes, where those leukocytes
emigrated through the PCVs by passing between the
intercellular junctions of high endothelial cells.

The studies from Gowan's laboratory established that
the traffic of lymphocytes between the lymphatic and
blood vascular systems was highly selective, not
random. This implied that the process involved specific
recognition and interaction between molecules on the
surface of small lymphocytes and complementary
molecules expressed on the surface of the endothelial
cells of HEVs in lymph nodes. The finding that large
lymphocytes from the thoracic duct emigrated to the
intestine and not to lymph nodes suggested that different
populations of lymphocytes emigrated to different
anatomical sites, a concept that today is well
established.

The tool that revolutionized the study of lymphocyte
migration was described in the sentinel publication of
Stamper and Woodruff (2). They incubated thoracic duct
lymphocytes (TDL) with fixed histological sections of
rat lymph nodes and observed highly selective
adherence of small lymphocytes to the endothelium of
HEVs. This in vitro assay correlated precisely with
earlier in vivo studies that showed small lymphocytes
migrated from blood into lymph nodes only via HCVs,
and that the small lymphocytes from rat thymus and
bone marrow rarely bound to lymph node HEVs.
With the specific and reproducible *in vitro* assay developed in the Woodruff laboratory it became possible to investigate lymphocyte binding to HEVs at a mechanistic level. In a breakthrough set of studies, Gallatin and Butcher and their mentor Irving Weissman at Stanford developed a monoclonal antibody that recognized a surface molecule on lymphocytes involved in organ-specific homing. By immunizing rats with a clone of mouse lymphoma cells that bound to lymph node HEVs they produced a monoclonal antibody (MEL-14) that blocked the *in vitro* binding of small lymphocytes to lymph node HEVs but not to Peyer's Patch HEVs, and blocked the homing of normal lymphocytes *in vivo*. MEL-14 allowed for preliminary isolation and characterization of the lymphocyte surface molecules involved in binding to lymph node HEVs.

The Stanford investigators blazed the pathways of lymphoid cell traffic, an area of investigation that attracted numerous other investigators, broadened its focus and has been extraordinarily productive of new knowledge. A growing list of chemokines, chemokine receptors and tissue-specific adhesion molecules have been discovered, characterized and shown to coordinate cell migration. The expression of unique combinations of adhesion molecules and chemokines have been shown to underlie tissue-specific migration, such as the homing of IgA+ B cells to the mammary gland late in pregnancy and during lactation. The cytokines and other factors that regulate the expression of these combinations continue to be identified.

When the studies of Knight and Gowans were published in 1964 the field of immunology was still focused at the level of humoral immunity: the field of cellular immunology had just started to emerge from the dark ages. The heterogeneity of lymphoid cell lineages and functions were just being discovered. It was not that long before when the function of small lymphocytes was thought by some to be trophic. It was reasoned that since lymphocytes circulated widely, had almost no cytoplasm, and were loaded with DNA, they functioned to bring DNA to cells throughout the body, like mobile fueling stations delivering DNA to cells in need of a fill up.

The milestone publication by Knight and Gowans was a pivotal step in the emergence of cellular immunology, and by the time that the publication of Stamper and Woodruff appeared, the field was moving in high gear. Today we know a great deal about the genes, molecules, regulatory systems and mechanisms involved in the targeted movement of lymphocytes. We know that it is a mechanism for dispersing the immunologic repertoire, for directing lymphocyte subsets to the specialized microenvironments that control their differentiation, for regulating lymphocyte survival, and for targeting immune effector cells to the sites of antigenic or microbial invasion. Characteristic patterns of lymphocyte traffic underlie the organization of regional immunity, such as mucosal, cutaneous and reproductive immune responses.

As the molecular basis of lymphocyte traffic expanded, it became evident that similar systems and families of molecules operate in the traffic of other leukocytes, and might function in the movements of neoplastic and embryonic cells. As the complex molecular mechanisms involved in cellular traffic become fully understood, it could provide the knowledge to construct strategies that therapeutically manipulate normal and pathologic cellular migration.

References:


Solicitation for Nominees Winter 2007 Elections

The Nominating Committee solicits your participation in the winter 2007 elections. On the next ballot, ASIP will be electing two new members of the Nominating Committee, two new members of the Meritorious Awards Committee, two new Councilors, a Program Chair-elect, Secretary-Treasurer and Vice President. Self-nominations are encouraged.

The Nominating Committee will be responsible for verifying eligibility of nominees. A summary of the relevant Bylaws governing elections is available on the ASIP web site.

   I, ____________________________________ , nominate the following ASIP members:

Nominees for Council:

   • Vice-President: 
   • Secretary-Treasurer: 
   • Program Chair-elect: 
   • Councilor(s):

Nominees for Meritorious Awards Committee:

Nominees for Nominating Committee (also see below):

ASIP Nominating Committee - Self-Nominations

The Nominating Committee is comprised of six elected members and the Past President, who chairs the committee. Two new members will be elected this winter for a term of three years, beginning July 1, 2007. According to the Bylaws, new members of the Nominating Committee are selected by direct solicitation of the membership. Both Regular and Emeritus members are eligible. The committee meets via conference calls each fall to develop a slate of candidates for winter elections.

   I wish to be considered as a candidate in the upcoming ASIP Nominating Committee Elections. I include an abridged curriculum vitae. If elected, I am willing to serve as a member of the Nominating Committee for a three-year term and I understand the committee's charge as put forth by the ASIP Bylaws.

   ______________________________
   Signature of Applicant

Name/Degree:

Current Position(s):

Institution(s):

Return this form to the ASIP office or submit online at www.asip.org/elect.asp
Due September 15, 2006
9650 Rockville Pike, Bethesda, Maryland 20814-3993  Telephone (301) 634-7130  Fax (301) 634-7990
Mark E. Sobel, M.D., Ph.D., Executive Officer
mesobel@asip.org
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July 1, 2006 through June 30, 2007

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Nominating: Stephen J. Galli, M.D.

Publications: Jon S. Morrow, M.D., Ph.D.

Complete contact information available at www.asip.org

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CALL FOR NOMINATIONS FOR 2008 AWARDS

ASIP’s Meritorious Awards Committee is soliciting nominees for the 2008 Gold-Headed Cane, the Rous-Whipple and the Amgen Outstanding Investigator Awards. Rules for making nominations for these awards are as follows:

**AMGEN OUTSTANDING INVESTIGATOR AWARD** – This prestigious annual award for excellent research in experimental pathology is sponsored by Amgen and is administered by the American Society for Investigative Pathology. The awardee will receive an honorarium and a plaque at the 2008 Annual Meeting. At that time, s/he is invited to present a paper based upon the award winning work, which will be published in *The American Journal of Pathology*. **IMPORTANT**: Age eligibility requirements for this award have been changed. Nominees must be ASIP members who are 45 years or younger in 2006 (must be born after December 31, 1960). Nominations for the award require: 1) letters from two members of the Society describing the basis for recommendation; 2) the candidate's curriculum vitae; and 3) the candidate's bibliography.

**ROUS-WHIPPLE AWARD** – The Rous-Whipple Award is given to a senior pathologist with a distinguished career in research and continued productivity at the time of this award. **IMPORTANT**: Age eligibility requirements for this award have been changed. Nominees must be ASIP members who are 50 years or older in 2006 (must be born before January 1, 1957). The awardee will receive an honorarium and a plaque and will present a lecture at the 2008 Annual Meeting of the American Society for Investigative Pathology, which will be published in *The American Journal of Pathology*. Nominations for the award require: 1) three letters of recommendation, including at least two from ASIP members; 2) the candidate’s curriculum vitae; and 3) the candidate’s bibliography.

**GOLD-HEADED CANE AWARD** – The Gold-Headed Cane Award is given in recognition of long-term contributions to pathology, including meritorious research, outstanding teaching, general excellence in the field and leadership in pathology. Nominations for the award require: 1) three letters of recommendation, including at least two from ASIP members; 2) the candidate’s curriculum vitae; and 3) the candidate’s bibliography. The awardee will receive a mahogany cane topped with a 14 karat gold head and engraved band at the 2008 Annual Meeting.

**Easy Online Application Process:**

**Criteria:** For consideration by the Meritorious Awards Committee, send the appropriate supporting information for each award as described above.

**Application:** Applications must be submitted online at [www.asip.org/awds/nominate.htm](http://www.asip.org/awds/nominate.htm). Nominators will be required to provide the name and contact information of the nominee and the required number of nominators. Letters of recommendation, the nominee’s CV and bibliography can be sent via email using the “Send Supporting Information” button included within the online application. These documents may be in the following formats: MSWord (.doc), WordPerfect (.wpd), PDF or RTF. Or if you prefer, you can send these documents directly to [awards@asip.org](mailto:awards@asip.org) at anytime prior to September 15.

Please note the online application covers all the ASIP Meritorious Awards; please select the appropriate award from the menu and provide the requested information for the required number of nominators as well as the nominee.

If you have any questions or concerns regarding the award criteria or application process please contact Kathleen Carmody at (301) 634-7440 or email her at [kcarmody@asip.org](mailto:kcarmody@asip.org)

Nomination Submission Deadline is **SEPTEMBER 15, 2006**
CHUGAI ASIP MENTORING AWARD

ASIP’s Meritorious Awards Committee solicits nominations for the 2007 Chugai Mentoring Award

This award, generously funded by Chugai Pharma US A, LLC, will be presented to a member of the American Society for Investigative Pathology to recognize senior investigators who have distinguished their careers with a dedication to mentoring and education. Sustained mentoring and productivity should exist at the time of the award. In recognition of this honor, the awardee will receive an honorarium and a plaque that will be presented at the ASIP Annual Business Meeting.

Easy Application Process
It’s Online!!!!

Criteria: For consideration by the Meritorious Awards Committee, submit 1) the curriculum vitae and bibliography of the candidate; and 2) a minimum of four letters of recommendation, including at least two from members of the Society and two from former trainees who have established careers. Evidence for outstanding mentoring accomplishments of the candidate must be explicitly delineated in the nomination package.

Application: Applications must be submitted online at www.asip.org/awds/nominate.htm. Nominators will be required to provide the name and contact information of the nominee and the four nominators. Letters of recommendation and the nominee’s CV can be sent via email using the “Send Supporting Information” button included within the online application. These documents may be in the following formats: MSWord (.doc), WordPerfect (.wpd), PDF or RTF. Or if you prefer, you can send these documents directly to kcarmody@asip.org at anytime prior to September 15.

Please note the online application covers all the ASIP Meritorious Awards; please select “Chugai Award” from the menu and provide the requested information for the nominee and four nominators.

If you have any questions or concerns regarding the award criteria or application process please contact Kathleen Carmody at (301) 634-7440 or email her at kcarmody@asip.org

Nomination Submission Deadline is SEPTEMBER 15, 2006

American Society for Investigative Pathology
9650 Rockville Pike, Bethesda, MD 20814-3993
Telephone (301) 634-7440 for further information.
Awards for Trainees at Experimental Biology 2007:

**Experimental Pathologist-In-Training Award (EPIT)**

**Merit Awards**

**Travel Awards**

**Minority Trainee Travel Awards**

**Experimental Pathologist-in-Training (EPIT) and Merit Awards**

The EPIT is a prestigious award presented to ASIP trainee members who have excelled in their investigative efforts in studying mechanisms of disease, as evidenced by their 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 award includes: a certificate of achievement presented at the 2006 Annual Meeting Awards Presentation on Monday, April 3, presentation of the winning abstract at the Experimental Biology 2006 Meeting, a $1,500 honorarium and complimentary meeting registration.

Candidates for the EPIT Award are also considered for ASIP Merit Awards ($1,250 plus complimentary registration), which will be awarded to the best graduate student abstract and to the best postdoctoral fellow/resident abstract. Each applicant must be a trainee member of ASIP. Prior winners of the Merit Award 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.

**Trainee Travel Award**

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 2007 Meeting. 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. These abstracts need not be submitted strictly to ASIP categories.

**Minority Trainee Travel Award**

The FASEB Minority Access to Research Careers (MARC) Program has awarded ASIP funding to promote the entry of under-represented minority scientists and minority-serving institutions into the mainstream of the basic science community and to encourage the participation of young investigative pathologists in the Annual Meeting. Successful applicants will be reimbursed up to $1,350 in travel-related expenses plus the registration fee at the advance rate. 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. Award Recipients will be recognized and presented with this award during the ASIP Awards Presentation and Reception on Sunday, April 29, 2007, in Washington, DC. An application for this award can be found on page ## of this newsletter.

Complete information regarding eligibility and applications can be found on the ASIP web site at:

[www.asip.org/mtgs/EB07/trainee.htm](http://www.asip.org/mtgs/EB07/trainee.htm)

**Deadline for Applications:** **Wednesday, November 15, 2006**

**For additional information contact**

Tara Snethen, Director of Meetings and Membership
at (301) 634-7950 or [tsnethen@asip.org](mailto:tsnethen@asip.org)
ASIP Minority Trainee Travel Award
Deadline for Applications: Wednesday, November 15, 2006

The FASEB Minority Access to Research Careers (MARC) Program has awarded ASIP funding to promote the entry of under-represented minority scientists and minority-serving institutions into the mainstream of the basic science community and to encourage the participation of young investigative pathologists in the Annual Meeting. Successful applicants will be reimbursed up to $1,350 in travel-related expenses plus the registration fee at the advance rate. 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 on Sunday, April 29, 2007, in Washington, DC.

(The FASEB Minority Access to Research Careers (MARC) Program is supported by a grant from the National Institute of General Medical Sciences, National Institutes of Health.)

**CRITERIA:**

- Submit an abstract to the EB2007 meeting and include a copy of it with this application.
- Be a Trainee Member of ASIP. You can apply for membership at the time of abstract submission. See contact information below for a membership application. Please include your membership application with the requirements listed below. The cost of a trainee membership in ASIP is $90 for print and online versions of *The American Journal of Pathology* and *The Journal of Molecular Diagnostics* or $40 for online only access to both journals.
- All ASIP trainee members meeting the citizenship/residency requirements at accredited minority-serving institutions are eligible to apply for this award. Full-time under-represented minority students and postdoctoral fellows meeting the citizenship/residency requirements at accredited majority institutions are also eligible to apply for the awards.
- Submit a letter from the nominee's supervisor, which attests to the nominee's role in the work and trainee status, the significance of the research, and the potential for the nominee as a biomedical research investigator. Please note—an individual with a faculty appointment is not eligible for the award.
- Return this award application, copy of abstract and other materials by Wednesday, November 15, 2006.

**RACE/ETHNICITY (required):**
- Alaskan Natives
- U.S. Pacific Islands Natives (Guam or Hawaii)
- African Americans
- Hispanic Americans
- Native Americans (Specify Tribal Affiliation __________ and include copy of tribal certificate.)
- Other (please specify): __________

**ELIGIBILITY CATEGORY:**
- Graduate/Medical Student
- Postdoctoral
- Resident

**CITIZENSHIP (required):**
- U.S. Citizen
- Permanent Resident of USA (Must provide copy of green card)

**NOTE:** We are prohibited from providing federal funds to federal employees and trainees at federal facilities who receive federal support for their salary/wages.

Candidate: ______________________________________
Position: ______________________________________
Department: ______________________________________
Institution: ______________________________________
Address: ______________________________________
City, State, Zip: ______________________________________
Phone: __________ Fax: __________ E-mail: __________
Abstract Title: __________
Nominee’s Supervisor: ______________________________________
E-mail: ______________________________________

American Society for Investigative Pathology
9650 Rockville Pike, Bethesda, Maryland 20814-3993
Tel: (301) 634-7130  Fax: (301) 634-7990
E-mail: meetings@asip.org
http://www.asip.org/mbr/webapp.pdf

For office use only:
Control Number: __________
Member ID: __________
Calendar of Events

APC/PRODS/PDAS/CDS 2006 Annual Meeting
July 12-15, 2006; Colorado Springs, CO
www.apcprods.org

The Advancing Practice, Instruction and Innovation through Informatics conference (APIII 2006)
August 16-18, 2006; Vancouver, British Columbia
apiii.upmc.edu

Gordon Research Conference on Molecular Mechanisms in Lymphatic Function and Disease
September 3-8, 2006; Les Diablerets, Switzerland
www.grc.org

IBC Discovery to Diagnostics Conference & Exhibition
September 25-27, 2006; Boston, MA
www.discovery2diagnostics.com

American Society of Matrix Biology (ASMB) Biennial National Meeting 2006
November 1-4, 2006; Nashville, TN
www.asmb.net/nationalmeeting

Association for Molecular Pathology—
2006 Annual Meeting and Exhibits
November 16-19, 2006; Orlando, FL
www.amp.org

Vascular Matrix Biology and Bioengineering Workshop
March 15-18, 2007; Whistler Village, British Columbia
www.navbo.org

USCAP Annual Meeting
March 24-30, 2007; San Diego, CA
www.uscap.org

ASIP Annual Meeting at Experimental Biology 2007
April 28-May 2, 2007; Washington, DC
www.asip.org

International Society for Biological and Environmental Repositories 2006 Annual Meeting & Exhibits
May 30-June 2, 2007; Singapore
www.isber.org

New in 2006!

ASIP Journal CME Program In Pathogenesis and
JMD CME Program in Molecular Diagnostics

The ASIP Journal CME Program in Pathogenesis provides The American Journal of Pathology (AJP) readership with a unique opportunity to earn CME credit while renewing and updating their knowledge in the mechanisms of disease. This program consists of a series of questions based on selected articles in the 2006 issues of AJP.

- **Objectives** - Participants of the ASIP Journal CME Program in Pathogenesis should be able to demonstrate an increase in, or confirmation of, their knowledge of, the pathogenesis of disease after reviewing specific articles in The American Journal of Pathology (AJP).

- **Participants** - This program is specifically developed for trainees, clinicians and researchers investigating the mechanisms of disease who wish to advance their current knowledge of the cellular and molecular biology of disease.

The JMD CME Program in Molecular Diagnostics provides The Journal of Molecular Diagnostics (JMD) readership with an opportunity to earn CME credit while renewing and updating their knowledge in the latest advances in molecular diagnostics. This program consists of a series of questions based on selected articles in the 2006 issues of JMD.

- **Objectives** - Participants of the JMD CME Program in Molecular Diagnostics should be able to demonstrate an increase in, or confirmation of, their knowledge of the latest advances in molecular diagnosis and prognosis and understanding of molecular pathogenesis of disease after reviewing specific articles in The Journal of Molecular Diagnostics (JMD).

- **Participants** - This program is specifically developed for trainees, clinicians and researchers interested in the molecular basis of disease and the application of nucleic acid and protein assays for diagnostic and prognostic analysis of disease.

Register for both Journal CME Programs at www.asip.org/CME/journalCME.htm

*Note: The ASIP Journal CME Program in Pathogenesis and the JMD CME Program in Molecular Diagnostics are separate programs, and must be registered for individually.
The American Society for Investigative Pathology (ASIP) is the premier international scientific society representing experimental and investigational pathologists. Since its earliest beginnings in 1889 as the Boston Society of Medical Sciences - to the ASIP as it is today, the Society has maintained a distinguished history with a commitment to the investigation of the pathogenesis of disease. For over 100 years, members of the Society have conducted ground-breaking biomedical research that has laid, and continues to provide, the groundwork for today's discoveries in the understanding, diagnosis, and treatment of diseases.

Our Society's mission is to provide our young experimental pathologists with challenging educational and professional career development initiatives focused on new discoveries in pathogenesis and its ultimate influence on disease prevention and health care.

2005 marks the second year of the ASIP Pathology Leadership Fund campaign. Since 2004, members of ASIP contributed over $34,000 to the PLF to support the Society’s educational initiatives for our young colleagues. Many of our Society’s current and past officers and committee members made substantial financial contributions to the Pathology Leadership Fund last year, and we encourage all of our ASIP members to consider participating in this endeavor.

Join with your distinguished colleagues by making a contribution to the Pathology Leadership Fund. As a 501(c)3 not-for-profit organization, ASIP can accept tax deductible contributions in the furtherance of its mission. Your tax-deductible donation to the Pathology Leadership Fund can be used to fund the following:

- Provide travel awards for ASIP members
- Sponsor travel awards
- Sponsor future educational and career development initiatives
- Sponsor workshops or symposia at the ASIP annual meeting at Experimental Biology
- Sponsor an endowed lecture at the ASIP annual meeting at Experimental Biology
- Sponsor an endowed travel award(s)

I would like to make a contribution to the Pathology Leadership Fund (PLF). Enclosed is my gift in the amount of:

- $5,000
- $2,500
- $1,000
- $__________________
- I would like to discuss setting up an endowment fund.

Please apply my gift to the following:

- PLF fund, to be used at the discretion of the ASIP Council.
- Symposia or Workshop at Experimental Biology meeting
- Trainee Travel Awards

Enclosed is my gift.

- Enclosed is a check payable to ASIP
- I wish to charge my gift.

- VISA
- AmEx
- MasterCard

Card #:__________________________
Expiration Date:____________________
Name on Card:________________________
Signature:__________________________
Name:______________________________
Tel:_______________________________
Email:______________________________

A special “thank you” to the Charter Sponsors of the Pathology Leadership Fund for their contributions, dedication, and commitment to the Society.

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Tel: 301-634-7130
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www.asip.org/PLF.htm
Annual Meeting at Experimental Biology 2007
April 28-May 2, 2007 - Washington, DC
Abstract Submission Deadline - November 8, 2006