Association for Pathology Informatics
ANNUAL REPORT 2012–13

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University of Pittsburgh

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Laboratory of Pathology, NCI

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Henry Ford Health System

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University of Pittsburgh

PAST PRESIDENTS

2001 • Michael J. Becich, MD, PhD
University of Pittsburgh

2002-03 • Bruce A. Friedman, MD
University of Michigan

2004 • Walter H. Henricks, MD
Cleveland Clinic

2005 • J. Mark Tuthill, MD
Henry Ford Hospital

2006 • Jules J. Berman, MD, PhD
Freelance Medical Writer

2007 • Ulysses G.J. Balis, MD
University of Michigan

2008 • Michael McNeely, MD, FRCPC
Consultant-Medical Informatics
(1944-2009)

2009-2010 • Myra L. Wilkerson, MD
Geisinger Health System

2011-2012 • Ronald S. Weinstein, MD
University of Arizona

2012-2013 • Raymond D. Aller, MD
University of Southern California

2013 • Liron Pantanowitz, MD
University of Pittsburgh

Report from the President

Dear Members and Colleagues:

On behalf of the Governing Council of the Association for Pathology Informatics (API), I am pleased to provide the president's letter for this year's *API Annual Report*. So far, 2013 has been a noteworthy year for our association. API has established new strong alliances, continued to deliver educational offerings, and has made considerable progress in advancing pathology informatics. Details regarding some of these efforts are highlighted below.

- **API and the American Society for Clinical Pathology (ASCP).** API is pleased with its new alliance with the ASCP. A memorandum of understanding was signed in March 2013. Both organizations have grown from this synergistic collaboration. Our goal is to continue to work together to advance the field of pathology informatics as a core subspecialty discipline in the medical community.

- **Teaching Program Memberships:** I am pleased to communicate that 10 new teaching programs have joined the 19 original charter teaching programs as API members. These programs make significant contributions to API and our conferences. We are committed to further expand the number of teaching member programs.

- **API Meetings:** This year the API Annual Meeting will collocate with the ASCP meeting in September 18 - 21, 2013 in Chicago. Our Pathology Informatics Summit has moved to May 13 – 16, 2014 in Pittsburgh. I look forward to your participation at these celebrated events.

- **Journal of Pathology Informatics (JPI).** JPI is now four years strong and has published 174 articles to date. The quality of the articles published and reviews received continue to improve and impress. This vehicle to disseminate our published work has become a major player in shaping our field.

- **LIS Functionality Assessment Tool.** In June 2012, API held a strategic summit that was generously sponsored by Cerner Corporation, McKesson Corporation, SCC Soft Computer, and Sunquest Information Systems, Inc. As a result of this meeting and valuable input from consultants, API is releasing an LIS Functionality Assessment Tool to the informatics community. This important toolkit will be made freely available on the API website.

- **API Leader Participation.** I would like to take this opportunity to thank our leaders for representing API in key external events and activities. API council members have participated on the committee that helped establish the informatics board certification examination being offered by the American Board of Preventive Medicine. Dedicated API members have also helped make our USCAP companion society meetings a great success. I am pleased to broadcast that API is now also being represented at the Council of the Association of Pathology Chairs (APC) on their collaborative pathology roundtable and new fellowship director's ad hoc committee, established in cooperation with the Association of Directors of Anatomic and Surgical Pathology (ADASP).

The future of pathology informatics and API is bright, and I look forward to many of our other worthy projects and collaborations. To name just a few, this includes our partnership with the DPA to provide education at future meetings, with Sunquest to continue offering our members free webinars, and with the CAP to develop a pathology informatics curriculum for graduate medical education. Thank you to everyone who has supported API this year. I am especially grateful to our wonderful staff, council members and committees for their dedication and hard work. This has been an exciting and productive year for API, and I have enjoyed the opportunity to serve as your president.

Liron Panatanowitz, MD
API President

APIII and LabInfoTech Summit present
PATHOLOGY Informatics 2014
Pittsburgh, PA
May 13—16, 2014

Journal of Pathology Informatics (JPI)

The *Journal of Pathology Informatics (JPI)* is an open access, peer-reviewed journal dedicated to the advancement of pathology informatics. This is the official journal of the Association of Pathology Informatics (API). The first issue was published in March 2010.

JPI aims to publish broadly about pathology informatics and freely disseminate all articles worldwide. All types of papers related to pathology informatics are published, including original research articles, technical notes, reviews, viewpoints, commentaries, editorials, book reviews, and correspondence to the editors. All submissions are subject to peer review by the editorial board and expert referees in appropriate specialties.

JPI is indexed with PubMed, Pubmed Central, Caspur, DOAJ, EBSCO Publishing's Electronic Databases, Expanded Academic ASAP, Genamics JournalSeek, Google Scholar, Health & Wellness Research Center, Health Reference Center Academic, Hinari, Index Copernicus, OpenJGate, PrimoCentral, ProQuest, SCOLOAR, SIIC databases, Summon by Serial Solutions, and Ulrich's International Periodical Directory.

Editors-in-chief are Anil V. Parwani and Liron Pantanowitz, University of Pittsburgh School of Medicine, Department of Pathology, Pittsburgh, PA.

The following are the PubMed listed articles from July 1, 2012 through June 30, 2013

Most-viewed original research article for FY13 published in the *Journal of Pathology Informatics*

Original Article: Jennifer A Hipp, Jason D Hipp, Megan Lim, Gaurav Sharma, Lauren B Smith, Stephen M Hewitt, Ulysses G. J. Balis. Image microarrays derived from tissue microarrays (IMA-TMA): New resource for computer-aided diagnostic algorithm development. *J Pathol Inform* 2012, 3:24 (12 July 2012) DOI:10.4103/2153-3539.98168

PUBMED LISTED ARTICLES THROUGH JULY 2012–JUNE 2013

Original Article: Marcin Klapczynski, Gerard D Gagne, Sherry J Morgan, Kelly J Larson, Bruce E LeRoy, Eric A Blomme, Bryan F Cox, Eugene W Shek. Computer-assisted imaging algorithms facilitate histomorphometric quantification of kidney damage in rodent renal failure models. J Pathol Inform 2012, 3:20 (28 April 2012) DOI:10.4103/2153-3539.95456

Research Article: Christopher Naugler. Estrogen receptor testing and 10-year mortality from breast cancer: A model for determining testing strategy. J Pathol Inform 2012, 3:19 (28 April 2012) DOI:10.4103/2153-3539.95452

Research Article: Elizabeth A Krupinski, Jeffrey P Johnson, Stacey Jaw, Anna R Graham, Ronald S Weinstein. Compressing pathology whole-slide images using a human and model observer evaluation. J Pathol Inform 2012, 3:17 (18 April 2012) DOI:10.4103/2153-3539.95129

Research Article: George Toouli, Andrew Georgiou, Johanna Westbrook. Changes, disruption and innovation: An investigation of the introduction of new health information technology in a microbiology laboratory. J Pathol Inform 2012, 3:16 (18 April 2012) DOI:10.4103/2153-3539.95128

Original Article: Jimmy C Azar, Christer Busch, Ingrid B Carlbom. Histological stain evaluation for machine learning applications. J Pathol Inform 2013, 4:11 (30 March 2013)

DOI:10.4103/2153-3539.109869

J Pathol Inform 2013, 4:1 (30 March 2013) DOI:10.4103/2153-3539.109802

Research Article: Fusheng Wang, Jun Kong, Jingjing Gao, Lee A.D. Cooper, Tahsin Kurc, Zhengwen Zhou, David Adler, Cristobal Vergara-Niedermayr, Bryan Katigbak, Daniel J Brat, Joel H Saltz. A high-performance spatial database based approach for pathology imaging algorithm evaluation. J Pathol Inform 2013, 4:5 (14 March 2013) DOI:10.4103/2153-3539.108543

Research Article: Magdaleni Bellis, Shereen Metias, Christopher Naugler, Aaron Pollett, Serge Jothy, George M Yousef.

Digital pathology: Attitudes and practices in the Canadian pathology community. *J Pathol Inform* 2013, 4:3 (14 March 2013) DOI:10.4103/2153-3539.108540

Original Article: Walter S Campbell, Kirk W Foster, Steven H Hinrichs. Application of whole slide image markup and annotation for pathologist knowledge capture. J Pathol Inform 2013, 4:2 (28 February 2013) DOI:10.4103/2153-3539.107953

Research Article: Vignesh Raghunath, Melissa O Braxton, Stephanie A Gagnon, Tad T Brunyé, Kimberly H Allison, Lisa M Reisch, Donald L Weaver, Joann G Elmore, Linda G Shapiro. Mouse cursor movement and eye tracking data as an

indicator of pathologists' attention when viewing digital whole slide images.

J Pathol Inform 2012, 3:43 (20 December 2012) DOI:10.4103/2153-3539.104905

Original Article: Daniela Pilla, Francesca M Bosisio, Roberto Marotta, Stefano Faggi, Paolo Forlani, Maurizio Falavigna, Ida Biunno, Emanuele Martella, Pasquale De Blasio, Simone Borghesi, Giorgio Cattoretti. Tissue microarray design and construction for scientific, industrial and diagnostic use.

J Pathol Inform 2012, 3:42 (20 December 2012) DOI:10.4103/2153-3539.104904

Research Article: Kamal K Khurana, Andra Kovalovsky, Deepa Masrani. Feasibility of telecytopathology for rapid preliminary diagnosis of ultrasound-guided fine needle aspiration of axillary lymph nodes in a remote breast care center. *J Pathol Inform* 2012, 3:36 (28 September 2012) DOI:10.4103/2153-3539.101803

Research Article: Jonhan Ho, Orly Aridor, Anil V Parwani. Use of contextual inquiry to understand anatomic pathology workflow: Implications for digital pathology adoption. *J Pathol Inform* 2012, 3:35 (28 September 2012) DOI:10.4103/2153-3539.101794

Original Article: Adam J Horn, Donna Czarnecki, Subodh M Lele. Interactive case vignettes utilizing simulated pathologist-clinician encounters with

whole slide imaging and video tutorials of whole slide scans improves student understanding of disease processes. *J Pathol Inform* 2012, 3:34 (28 September 2012) DOI:10.4103/2153-3539.101786

Research Article: Xin Qi, Hyunjoo Kim, Fuyong Xing, Manish Parashar, David J Foran, Lin Yang. The analysis of image feature robustness using cometcloud. J Pathol Inform 2012, 3:33 (28 September 2012) DOI:10.4103/2153-3539.101782

Original Article: Seung Park, Anil Parwani, Trevor MacPherson, Liron Pantanowitz. Use of a wiki as an interactive teaching tool in pathology residency education: Experience with a genomics, research, and informatics in pathology course Highly accessed article. *J Pathol Inform* 2012, 3:32 (30 August 2012) DOI:10.4103/2153-3539.100366

Original Article: David S McClintock, Bruce P Levy, William J Lane, Roy E Lee, Jason M Baron, Veronica E Klepeis, Maristela L Onozato, JiYeon Kim, Anand S Dighe, Bruce A Beckwith, Frank Kuo, Stephen Black-Schaffer, John R Gilbertson. A core curriculum for clinical fellowship training in pathology informatics. *J Pathol Inform* 2012, 3:31 (30 August 2012) DOI:10.4103/2153-3539.100364

Original Article: Bruce P Levy, David S McClintock, Roy E Lee, William J Lane, Veronica E Klepeis, Jason M Baron, Maristela L Onozato, JiYeon Kim, Victor Brodsky, Bruce Beckwith, Frank Kuo,

API and ASCP Forge Alliance for Mutual Benefits

ASCP and the Association for Pathology Informatics (API) signed a Memorandum of Understanding (MOU) effective March 7, 2013, to collaborate on education, advocacy, and membership strategies to the mutual benefit of members from both organizations. This strategic alliance enables each society to gain from each other's areas of expertise.

"The future of diagnostics is the future of informatics," says John Tomaszewski, MD, FASCP, a former ASCP President and a member of API since the 1990s. "API is the dominant and growing

society for informatics. ASCP's focus on precision diagnostics can be best accomplished in partnership with API. This is a great alliance for both organizations, especially for education."

"API is at a crossroads in its infrastructure," says Liron Pantanowitz, MD, FASCP, API President and a member of ASCP. "That requires us to change how we do things. The alliance with ASCP comes at the right time for us and brings us different expertise and additional resources that will help us reach the next level."

For all API members, ASCP is extending a complimentary membership effective from May 1 to Dec. 31, 2013. Thus, API members can take online courses at no charge to earn up to seven continuing medical education credits; gain online access to ASCP journals, the *American Journal of Clinical Pathology, Lab Medicine,* and *Critical Values,* as well as online publications such as *Daily Diagnosis, eNewsBriefs,* and *ePolicy News*; and be eligible for member discounts for the 2013 ASCP Annual Meeting as well as for ASCP educational products and services.

API Informatics Annual Meeting at ASCP

As one component of the new partnership, the API will hold its Annual Meeting in conjunction with ASCP's Annual meetings in the Fall of each year. As such, (1) API's informatics content reaches the broad audience of the ASCP meeting and (2) the informatics content of the ASCP meeting is enhanced. Attendees will be able to select from more than 20 hours of education in informatics delivered by API faculty experts.

Pathology Informatics Summit 2014, May 13-16, 2014: The API will continue to hold its annual, independent conference, now called the Pathology Informatics Summit,

May 13 – 16 in Pittsburgh. The conference has been moved to the spring from the fall to accommodate and avoid conflicts with the ASCP Annual Meeting and multiple other fall-based meetings.

For more information: http://pathologyinformatics.org

API and Sunquest Partner to Offer Free Webinars to API Members

The Association for Pathology Informatics and Sunquest Information Systems are proud to partner to offer a series of educational webinar on topics in the Anatomic Pathology industry to members of API, the first of which was held in June 2013. This series will feature presentations by industry leaders and medical academia experts. API and Sunquest believe in fostering a community of educated members and clients and look forward to their continued partnership to bring this series to the API membership.

PUBMED LISTED ARTICLES THROUGH JULY 2012–JUNE 2013 *(continued from previous page)*

John R Gilbertson. Different tracks for pathology informatics fellowship training: Experiences of and input from trainees in a large multisite fellowship program. *J Pathol Inform* 2012, 3:30 (30 August 2012) DOI:10.4103/2153-3539.100362

Original Article: Marian A Rollins-Raval, Jay S Raval, Lydia Contis. Experience with CellaVision DM96 for peripheral blood differentials in a large multi-center academic hospital system. *J Pathol*

Inform 2012, 3:29 (25 August 2012) DOI:10.4103/2153-3539.100154

Original Article: Sahussapont J Sirintra-pun, Adela Cimic. Dynamic nonrobotic telemicroscopy via skype: A cost effective solution to teleconsultation. J Pathol Inform 2012, 3:28 (25 August 2012) DOI:10.4103/2153-3539.100150

Original Article: Dorina Gui, Galen Cortina, Bita Naini, Steve Hart, Garrett Ger-

ney, David Dawson, Sarah Dry. Diagnosis of dysplasia in upper gastro-intestinal tract biopsies through digital microscopy. *J Pathol Inform* 2012, 3:27 (25 August 2012) DOI:10.4103/2153-3539.100149

Research Article: Brian H Shirts, Nichole Larsen, Brian R Jackson. Utilization and utility of clinical laboratory reports with graphical elements. *J Pathol Inform* 2012, 3:26 (25 August 2012) DOI:10.4103/2153-3539.100145

Research Article: Jonas S Almeida, Egie-bade E Iriabho, Vijaya L Gorrepati, Sean R Wilkinson, Alexander Grüneberg, David E Robbins, James R Hackney. ImageJS: Personalized, participated, pervasive, and reproducible image bioinformatics in the web browser. *J Pathol Inform* 2012, 3:25 (20 July 2012) DOI:10.4103/2153-3539.98813

API Teaching Institution Members

API has continued to expand the number of Teaching Institutional Memberships in the last fiscal year. The 19 Charter Teaching Institutional Members have been joined by 9 new institutions and these new members have added to the incredible value that our Teaching Institution members bring to API. API offers unlimited, free publication of all accepted articles in the Journal of Pathology Informatics to any faculty, resident, or fellow employed at an API Teaching Institution. A few statistics that reflect the important contribution made by these teaching members programs are:

- More than 42 Teaching Institution individual members had more than 24 articles among them published in JPI.

- Twenty-six Teaching Institution mentor-educators attended Pathology Informatics 2012.

- Nineteen Teaching Institution members were faculty members at Pathology Informatics 2012.

- Twenty-three Teaching Institution residents and fellows attended Pathology Informatics 2012, and ten made formal presentations at the meeting.

THE 2012–13 TEACHING INSTITUTION MEMBERS:

Albert Einstein College of Medicine, Montefiore Medical Center
Weiler Division, Department of Pathology
New York, NY

Beth Israel Deaconess Medical Center
Department of Pathology
Boston, MA

Cleveland Clinic
Center for Pathology Informatics
Cleveland, OH

Dalhousie University
Department of Pathology
Halifax, Nova Scotia, Canada

Emory University
Department of Biomedical Informatics
Atlanta, GA

Emory University School of Medicine
Department of Pathology and
Laboratory Medicine
Atlanta, GA

Henry Ford Health System
Department of Pathology
Detroit, MI

Icahn School of Medicine at Mount Sinai
Department of Pathology
New York, NY

Massachusetts General
MGH Pathology Service
Boston, MA

The University of Texas MD Anderson Cancer Center
Department of Pathology
Houston, TX

Robert Wood Johnson Medical School (UMDNJ)
Department of Pathology
Piscataway, NJ

State University of New York at Buffalo
Pathology and Anatomical Sciences
Buffalo, NY

University of Alabama at Birmingham
Department of Pathology
Birmingham, AL

University of Arizona College of Medicine
Department of Pathology
Tucson, AZ

University of Calgary
Calgary Laboratory Services
Pathology and Laboratory Medicine
Calgary, Alberta, Canada

University of California, Davis Health System
Department of Pathology
Davis, CA

University of California, San Francisco
Department of Laboratory Medicine
San Francisco, CA

University of Colorado Denver
Department of Pathology
Denver, CO

University of Illinois at Chicago
Department of Pathology
Chicago, IL

University of Michigan Health System
Division of Pathology Informatics
Ann Arbor, MI

University of Pennsylvania
Department of Pathology
and Laboratory Medicine
Philadelphia, PA

University of Pittsburgh Medical Center
Department of Pathology
Pittsburgh, PA

University of Pittsburgh School of Medicine
Department of Biomedical Informatics
Pittsburgh, PA

University of Southern California
Department of Pathology
Los Angeles, CA

University of Utah
Department of Medical Informatics
Salt Lake City, UT

University of New Mexico - Health Sciences Center
Department of Pathology
Albuquerque, NM

Wake Forest Baptist Health
Department of Pathology
Winston-Salem, NC

Yale School of Medicine
Department of Pathology
New Haven, CT

TEACHING INSTITUTIONAL MEMBERSHIP BENEFITS INCLUDE:

- Home page recognition on www.pathologyinformatics.org

- Two mentor-educator memberships as sustaining members of API and sustaining membership for the department chair

- Four trainee memberships in API

- Discounted registration for the national meeting, Pathology Informatics, including an API presidents' trainees lunch

- No-cost publication of accepted articles in the *Journal of Pathology Informatics* (JPI)

Travel Awards at Pathology Informatics 2012

Forty Travel Awards were given for trainee attendance at the **Pathology Informatics 2012** national meeting, held in Chicago, IL, October 9-12, 2012. Awards were presented at the Travel Awards Trainee Luncheon by API President Ray Aller, API Training and Education Committee Chair Alexis Carter, and Pathology Informatics 2012 Codirector Bruce Friedman. Awardees were as follows:

Ablimit Aji, MS
Emory University
Decatur, GA

Christina Appin, MD
Emory University
School of Medicine
Atlanta, GA

Samuel Barasch, MD
University of Wisconsin
Madison, MI

Donald Berry, DO
Walter Reed National Military
Medical Center US Navy
Silver Spring, MD

Feriyl Bhaijee, MD
University of Mississippi
Jackson, MS

John Blau, MD
University of Iowa Hospital
and Clinics
Iowa City, IA

Hyun Ju Choi, PhD
Emory University
Atlanta, GA

Thomas Chong
Keck School of Medicine
Los Angeles, CA

Ryan Collins, MD
University of Pittsburgh
Medical Center
Pittsburgh, PA

Catherine Conway, BSc, PhD
National Institutes of Health
Gaithersburg, MD

Lee Cooper, PhD
Emory University
Atlanta, GA

Ioan Cucoranu, MD
University of Pittsburgh
Pittsburgh, PA

Grzegorz Gurda, MD
John Hopkins Medical Center
Baltimore, MD

Mehrvash Haghighi, MD
Henry Ford Hospital
Detroit, MI

Ronald Hauser, MD
Yale-New Haven Hospital
New Haven, CT

Jennifer Hipp, MD
University of Michigan
Ann Arbor, MI

Maggie Hopkins, MD
University of Utah
Salt Lake City, UT

Jingyang Huang, MD
Massachusetts
General Hospital
Boston, MA

Ryan Hutchinson, PhD
Queen's University
Center for Cancer Research
and Cell Biology
Londonderry, Northern Ireland

Thomas Kampfrath, PhD
University of Louisville
Louisville, KY

Arivarasan Karunamurthy, MD
University of Pittsburgh
Medical Center
Pittsburgh, PA

Ellen King, MD
University of Texas
Medical Center
McKinney, TX

Veronica Klepeis, MD, PhD
Massachusetts
General Hospital
Medford, MA

Rahul Matnani, MD, PhD
University of Kentucky
Lexington, KY

Jordan Olson, MD
Penn State Hershey
Medical Center
Hershey, PA

Chiraag Patel, MD
Stony Brook University
Medical Center
Port Jefferson, NY

Heidi Paulin
Dalhousie University
Middle Sackville,
Nova Scotia, Canada

Andrew Quinn, MD
Massachusetts
General Hospital
Boston, MA

Luigi Rao, MD
Massachusetts
General Hospital
Boston, MA

Gregory Riedlinger, MD, PhD
National Cancer Institute
Bethesda, MD

Somak Roy, MD
University of Pittsburgh
Medical Center
Pittsburgh, PA

Erica Schollenberg, MD
Dalhousie University
Halifax, Nova Scotia, Canada

Steve Scully, MD, PhD
Mayo Clinic
Rochester, MN

Christopher Sharpe, MD
Dalhousie University
Halifax, Nova Scotia, Canada

Geoffrey Smith, MD
Emory University
School of Medicine
Atlanta, GA

Steven Smith, MD, PhD
University of Michigan
Ann Arbor, MI

Thomas Soike, MD
Medical University of
South Carolina
Charleston, SC

Robert Stapp, MD
Henry Ford Hospital
Detroit, MI

Tab Toochinda, MD
University of California
San Francisco, CA

Christopher Williams, MD
University of Oklahoma
Health Sciences Center
Oklahoma City, OK

API Leadership Invited to Participate in Pathology Roundtable

API has been invited by the Council of the Association of Pathology Chairs (APC) to participate in the collaborative Pathology Roundtable, an initiative announced by the APC in October 2012. Dr. Dani Zander, a member of the APC Council, currently serves as moderator of the Roundtable. According to Dr. Zander, the Roundtable "will facilitate networking and communication and promote synergistic planning about issues and joint initiatives of high priority to our profession."

As envisioned, discussion topics will include:

1. Advocacy issues, such as pathology's role in Accountable Care Organizations, health information technology and clinical informatics, pathologist and laboratory staff workforce shortages.

2. Practice management and educational program issues, such as development of consensus benchmarks for clinical pathology and laboratory management, proficiency testing, CME and Maintenance of Certification, and undergraduate and graduate medical education.

3. Research-related topics, such as NIH Funding, biobanking and genomics research.

Members of the Roundtable will determine the leadership structure for the group, perhaps leading eventually to a rotating or joint leadership mechanism. The Roundtable will meet at least twice yearly for face-to-face meetings and bimonthly for conference calls. Detailed discussion of "hot topics" could occur on an ad hoc basis.

Each member organization has been asked to name up to three member representatives and a senior administrative staff member. Representing API leadership are Liron Pantanowitz, MD, President, and Alexis Carter, MD, President-Elect. Nova Marie Smith will serve as the API administrative staff member.

The participating organizations are:
   Academy of Clinical Laboratory Physicians and Scientists
   American Board of Pathology
   American Society for Clinical Pathology
   American Society for Investigative Pathology
   Association for Pathology Informatics
   Association of Directors of Anatomic and Surgical Pathology
   Association of Pathology Chairs
   College of American Pathologists
   United States and Canadian Academy of Pathology

API Research Mentor Matching Service (API-RMMS)

The API Research Mentor Matching Service (API-RMMS) was initiated for the 2012-2013 academic year. API recognizes that not all pathology trainees have access to pathology informatics faculty with overlapping research interest, presenting a challenge for trainees who want to get involved in pathology informatics research and publication. The goal of this program is to connect trainees with established research mentors in Pathology Informatics to expose the future of our profession (our trainees) to research in our field. The success of the program is judged, at least in part, by the number of abstracts submitted to the annual Pathology Informatics meeting.

The inaugural API-RMMS had seven mentor-trainee matches (five through the program and two just outside of it). Four of these matches resulted in a cumulative total of seven abstracts which were successfully submitted to Pathology Informatics 2012 (100% success rate on number of abstracts generated with a 175% success rate on the number of abstracts per matched pair).

The 2013-2014 API-RMMS is being initiated and both trainees and mentors are encouraged to apply. Last year, we had more mentors than trainees apply, so trainees should not be shy about applying for the service. The inaugural year's effort was organized by Alexis Carter from Emory University (Chair of API's Training and Education Committee) and Stephen Hewitt from the National Institutes of Health (Chair of API's Research Committee).

Brief History of the Association for Pathology Informatics (API)

The Association for Pathology Informatics (API) was organized in 2000 as a part of Universities Associated for Research and Education in Pathology, a 501(c)(3) organization that subsequently dissolved in 2002. At that time, the American Society for Investigative Pathology, another 501(c)(3) organization, agreed to take over the management of API and a formal agreement between these organizations was signed in February, 2003. This relationship was dissolved in December 2008 after the API membership voted to establish a separate, self-governing 501(c)(3) organization. The Department of Biomedical Informatics and the University Of Pittsburgh School

Of Medicine agreed to provide office space and support staff until API could become financially independent. The University of Michigan and University of Colorado have assisted in providing and hosting API's communication LISTSERV. API was incorporated in the Commonwealth of Pennsylvania in September 2009 and received approval of status as a 501(c)(3) not-for-profit organization. In March 2013, API signed an MOU with the American Society for Clinical Pathology to collaborate on education and advocacy; In addition, ASCP manages API's membership services.

API Leadership Invited to Join Fellowship Directors Group

Liron Pantanowitz, MD, will represent API at meetings of the new Fellowship Directors Ad Hoc Committee, which is sponsored by the Association of Pathology Chairs and was established in cooperation with the Association of Directors of Anatomic and Surgical Pathology (ADASP). The first face-to-face meeting was held on Thursday, July 11 in Boston during the APC/PRODS Annual Meeting. FDAHC will meet once yearly in person and quarterly via conference calls. The committee will take the lead in prioritizing issues relevant to pathology fellowship training, develop their own mission and vision statements, and determine their own agendas. Although not a member of the original list of participants, the inclusion of Pathology Informatics was strongly recommended along with the choice of API to represent the interests of graduate medical education fellowship programs in the subspecialty area of clinical informatics.

API to Release LIS Functionality Assessment Tool in September

A LIS Functionality Assessment Tool Kit (LIS-FAT) that has been developed by the Association for Pathology Informatics (API) and it will be released to the members of the pathology informatics community via the API Web site on Friday, September 20, 2013. The LIS Functionality Tool Kit has been written by Andrew Splitz, Ulysses Balis, Bruce Friedman, and Mark Tuthill. This project was conceived during the Strategic Summit sponsored by the API. This latter event was a one-day seminar held on June 8, 2012, in Pittsburgh and convened to discuss the future of laboratory information systems (LISs) and pathology informatics in the era when electronic health records (EHRs) appeared to be dominating the hospital IT landscape. The Summit was generously underwritten by four healthcare software vendors, SCC Soft, Sunquest, McKesson, and Cerner.

Subsequent to the Summit, a consulting project was launched (i.e., LIS-FAT) by the API to address the critical issue of how to most efficiently and effectively assess the total functionality of an LIS prior to purchase of such a system. The underlying assumption was made that optimizing LIS functionality was a necessary goal in order to enhance the productivity of pathology and the clinical labs. This consulting project has been underwritten by the above named companies plus ARUP Labs, General Data, Lifepoint Informatics, PathCentral.

The LIS Functionality Assessment Tool Kit consists of the following four components: a white paper describing how to search for a new LIS with maximum functionality and how to then subsequently secure capital funding for the new LIS. Accompanying this white paper are three appendices the provide the actual toolset: (1) a list of approximately 1,000 functionality statements encompassing all of the work processes supported by an LIS and that can be incorporated into an RFP when seeking a new LIS; (2) a list of scenarios relating to the normal workflows encountered in pathology and the clinical labs that can be used as the basis of scripted scenarios that would be used to guide LIS vendor live demo's; and (3) categories organized by type of LIS that can be use to guide the development of a total-cost-of-ownership (TCO) worksheet.

API Budget *(FINAL July 8, 2013)*

REVENUE		EXPENSES	
Membership Fees		Credit Card and Bank Fees	$2,588.74
Regular	$11,270.00	Professional Services	$53,528.00
Sustaining	$1,125.00	Web Services	$2,156.25
Teching Institutional	$27,000.00	Advertising	$1,682.35
Institutional/Organizations	$1,000.00	Travel Reimbursement	$6,969.75
Corporate	$4,000.00	Conference	$28,056.77
Associate	$1,800.00	Malpratice Insurance	$1,237.00
Technical Staff	$900.00	Journal of Pathology Informatics	$157.15
Total Membership Revenue	*$47,095.00*	Trainee Travel Awards	$30,074.03
Donations		Other (supplies, postage, printing, etc.)	$3,795.31
LIS Consulting project	$30,000.00		
Travel Award funding	$35,545.00		
mTuitive	$450.00	*Total Expenses*	*$130,245.35*
API Capital Campaign 2013	$18,151.00	*Net Operating Gain*	*$995.65*
Total Donation Revenue	*$84,146.00*	*Fiscal Year Starting Fund Balance*	*$96,947.00*
Total Revenue	*$131,241.00*	*Fiscal Year Ending Fund Balance**	*$97,942.00*

PathInfo 2012 List of Scientific Session and e-Poster Awards

Pathology Informatics 2012 Scientific Session WINNERS

Wednesday, October 10, 2012

Clinical Subtrack – Scientific Imaging & Applications Development
WINNER - Development of a Computer-Aided Decision Support Tool for Diagnosis of Micropapillary Urothelial Carcinoma
Steven C. Smith, Department of Pathology, University of Michigan, Ann Arbor, Michigan

Discovery Subtrack –Scientific Imaging & Applications Development
WINNER - MIGIS: High Performance Spatial Query System for Analytical Pathology Imaging
Ablimit Aji, Department of Mathematics and Computer Science, Emory University, Atlanta, Georgia

Education
WINNER - Clinical Genomicist Workstation
Rakesh Nagarajan, Department of Pathology and Immunology, Washington University, St. Louis, Missouri

HONORABLE MENTION -
Active Learning for Pathology Image Analysis
Lee AD Cooper, Center for Comprehensive Informatics, Emory University, Atlanta, Georgia

Clinical Imaging
WINNER - Usage of Inexpensive Consumer Electronics in the Three-dimensional Capture and Visualization of Gross Specimens
Seung Park, Department of Pathology, University of Pittsburgh, Pittsburgh, Pennsylvania

HONORABLE MENTION - Design and Implementation of a Digital Pathology Network for Air Force Medical Service Pathology Practice
Nicholas Lancia, Department of Pathology, 81st Medical Group Hospital, Kessler Air Force Base, Biloxi, Mississippi

Pathology Informatics 2012 Electronic Poster WINNERS

Electronic Poster - Best Presentation - Imaging Informatics
WINNER - Modeling Morphology in Adeno and Squamous Cell Carcinoma of the Lung
Hyun Ju Choi, Emory University, Atlanta, Georgia

Electronic Poster - Best Presentation - Laboratory Informatics
WINNER - "Unusual" Phlebotomies: Does Collection Above an IV or Saline Lock

Result in Variance in Commonly Tested Analytes?
Heidi L. Paulin, Dalhousie University, Halifax, Nova Scotia, Canada

Thursday, October 11, 2012

Data Models, Bioinformatics and Personalized Medicine
WINNER - Cluster FASTQ: A Method for the Identification of Translocations in Clinical Next Generation Sequencing Data
Eric Duncavage, Department of Anatomic and Molecular Pathology, Washington University, St. Louis, Missouri

HONORABLE MENTION - Development of Image Analysis for Epidermal Growth Factor Receptor Expression as a Potential Predictive Biomarker in Colorectal Cancer
Ryan Hutchinson, Centre for Cancer Research and Cell Biology, School of Medicine, Dentistry and Biomedical Science, Queen's University, Belfast, United Kingdom

Workflow – Applied Informatics and Clinical Workflow
WINNER - Using Camera Systems to Read Entire Batches of Barcodes & More
Lyman T. Garniss, Partners Healthcare Systems, Massachusetts General Hospital, Boston, MA

Applied Topics – Applied Informatics and Clinical Workflow
WINNER - Customization of a Digital Pathology Consultation Portal for Clients and Consultants
Somak Roy, Department of Pathology, University of Pittsburgh Medical Center, Pittsburgh, PA

Decision Support – Applied Informatics and Clinical Workflow
WINNER - Real-Time Detection and Display of Critical Values in the Laboratory Improves Caregiver Notifications
Eugene Farber, Center for Pathology Informatics, Cleveland Clinic, Cleveland, Ohio

Electronic Poster – Best Presentation - Pathology Informatics
WINNER - Visual Ergonomics and Complex Pathology Reports
Philip R. Foulis, James A. Haley Veterans' Hospital, Tampa, Florida

Electronic Poster - Best Presentation – Bioinformatics
WINNER - Use of Desktop Sharing Software for Dynamic Telecytology Review of Pap Smears: Results of an International Effort Linking Peru and the United States
Nicholas C. Jones, Massachusetts General Hospital & Harvard Medical School, Boston, Massachusetts

2012 API Lifetime Achievement Award

The 2012 Association for Pathology Informatics (API) Lifetime Achievement Award went to Franklin Elevitch, MD. Dr. Elevitch has made key contributions to pathology informatics over a number of decades. In 1977, he was one of the first to install a Meditech LIS in his hospital. This experience served as the basis for his ASCP national meeting seminar, "The ABCs of LIS," presented twice a year from 1979 until 1986. In 1984, he was appointed the first chairman of the CAP Laboratory Information Systems Committee – this subsequently became the Informatics Committee. From the mid-80's through the 1990's, over half of the educational content of the CAP national meetings were informatics seminars, designed and presented by members of Dr. Elevitch's Committee. Subsequently, Dr. Elevitch has served on several other CAP informatics-related committees, including the SNOMED Authority, and most recently the Diagnostic Intelligence and Health Information Technology Committee. He was awarded the CAP Lifetime Achievement Award in 2007.

API to Sponsor Awards at 2014 USCAP Companion Meeting

API is a "Companion Society" of the USCAP. We will hold our third annual companion society meeting at the 2014 USCAP meeting in San Diego, California, March 1 – 7, 2014. The API is pleased to announce that, starting with the 2014 USCAP meeting, the API will be presenting the following awards to trainees presenting in the area of informatics:

- API President's Award for Best Informatics-Related Platform Presentation
- Best Informatics-Related Poster Presentation

Winners will receive a certificate and $300.

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