



# Association for Pathology Informatics

## ANNUAL REPORT 2010–11

### Report from the President

#### GOVERNING COUNCIL MEMBERS

**President**

Ronald S. Weinstein, MD  
University of Arizona

**President-elect**

Raymond D. Aller, MD  
University of Southern California

**Vice President**

Anand S. Dighe, MD, PhD  
Massachusetts General Hospital

**Secretary-Treasurer**

Phillip J. Boyer, MD, PhD  
University of Colorado Denver

**Program Committee Chair**

Ulysses G.J. Balis, MD  
University of Michigan

**Program Committee Chair-elect**

J. Mark Tuthill, MD  
Henry Ford Health System

**Publications Committee Chairs**

Liron Pantanowitz, MD  
University of Pittsburgh  
Anil V. Parwani, MD, PhD  
University of Pittsburgh

**Technical Standards Committee Chair**

John R. Gilbertson, MD  
Harvard University

**Research Committee Chair**

Stephen M. Hewitt, MD, PhD  
National Cancer Institute

**Training and Education Committee Chair**

Alexis B. Carter, MD  
Emory University

**Membership Committee**

Jeffrey L. Fine, MD  
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 Henricks, MD  
Cleveland Clinic

**2005**

J. Mark Tuthill, MD  
Henry Ford Health System

**2006**

Jules J. Berman, MD, PhD  
Freelance Medical Writer

**2007**

Ulysses G.J. Balis, MD  
University of Michigan Health System

**2008**

Michael McNeely, MD, FRCPC  
Consultant, Medical Informatics  
(1944–2009)

**2009–10**

Myra L. Wilkerson, MD  
Geisinger Medical Laboratories

Dear Members and Friends:

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*. Although this past year is historic in the sense that it represents API's first year of operation as an independent 501(c)(3) not-for-profit organization, API has been in continuous operation since 2000 and has eight past presidents, all distinguished leaders in the pathology informatics field. The founding president, Michael J. Becich, MD, PhD, of the University of Pittsburgh, is a brilliant visionary who approaches his continued leadership and personal sponsorship in the field of pathology informatics with missionary zeal. Through the hard work of Mike and other past presidents and API board members, API is steadily increasing its value to its members by broadening the scope of its education programs and services. Quality drives value. Several initiatives are especially noteworthy:

- The API board created a new category of membership, the API Teaching Institution Membership. This program functions as an educational collaborative that will provide member institutions with API memberships for groups of local mentor/educators, residents, and fellows; an online core curriculum in pathology informatics; special alerts on job listings; and discounts for annual meetings and papers published in our *Journal of Pathology Informatics*. As of September 1, 2011, 19 training programs have joined the API Teaching Institution Membership program as charter members, each paying a \$1,500 annual membership fee. This program will fill a glaring gap in the educational offerings in the area of pathology informatics.
- API has been granted Companion Society status by the United States and Canadian Academy of Pathology (USCAP). API will sponsor an annual program on current topics in pathology informatics, starting with the Annual Meeting of USCAP, April 17–23, 2012, in Vancouver, B.C., Canada. This is a significant step forward in bringing pathology informatics into the mainstream of pathology subspecialties. John R. Gilbertson, MD, and Myra L. Wilkerson, MD, deserve credit for taking this initiative forward to completion.
- The *Journal of Pathology Informatics (JPI)* is an open-access peer-reviewed publication that is the official journal of API. Under the exceptionally capable leadership of its coeditors in chief, Liron Pantanowitz, MD, and Anil V. Parwani, MD, PhD, and a who's-who-in-pathology informatics editorial board, API has become a significant force in the pathology informatics research field. It is noteworthy that this past year, *JPI* successfully achieved PubMed indexing, adding to the desirability of *JPI* to investigators and to the prestige of API.

Thanks to everyone who has supported API this year, and we look forward to your continued participation. Please provide us with your thoughts and suggestions.

*Ronald S. Weinstein, M.D.*

Ronald S. Weinstein, MD, FCAP  
President

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, with 59 articles having been published through June 2011.

**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 in** PubMed and PubMed Central, Caspur, 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, SCHOLAR, SIIC databases, Summon by Serial Solutions, and Ulrichsweb.

**Editors-in-chief are** Anil V. Parwani and Liron Pantanowitz, University of Pittsburgh Department of Pathology, Pittsburgh, Pa.

**The editorial board includes** Alexis B. Carter, Atlanta, Ga.; Anand S. Dighe, Boston, Mass.; Andrew Georgiou, Sydney,

Australia; Andrew J. Evans, Toronto, Canada; Andrew R. Post, Atlanta, Ga.; Bruce A. Friedman, Ann Arbor, Mich.; Bruce Beckwith, Salem, Mass.; Christel Daniel, Paris, France; Christopher N. Otis, Springfield, Mass.; David J. Foran, New Brunswick, N.J.; Drazen Jukic, Tampa, Fla.; Elizabeth Krupinski, Tucson, Ariz.; Federico Monzon, Houston, Texas; Joel H. Saltz, Atlanta, Ga.; Jonhon Ho, Pittsburgh, Pa.; J. Mark Tuthill, Detroit, Mich.; John Gilbertson, Boston, Mass.; John Sinard, New Haven, Conn.; John E. Tomaszewski, Philadelphia, Pa.; Juan Rosai, Milano, Italy; Keith J. Kaplan, Charlotte, N.C.; Klaus Kayser, Berlin, Germany; Lin Yang, Piscataway, N.J.; Marcial Garcia Rojo, Ciudad Real, Spain; Mark Routbort, Houston, Texas; Mary E. Edgerton, Houston, Texas; Metin N. Gurcan, Columbus, Ohio; Michael J. Becich, Pittsburgh, Pa.; Michael D. Feldman, Philadelphia, Pa.; Myra L. Wilkerson, Wilkes-Barre, Pa.; Philip J. Boyer, Denver, Colo.; Raymond Allier, Los Angeles, Calif.; Rebecca S. Crowley, Pittsburgh, Pa.; Rodney A. Schmidt, Seattle, Wash.; Ronald S. Weinstein, Tucson, Ariz.; Takashi Sawai, Morioka, Japan; Ulysses J. Balis, Ann Arbor, Mich.; Vinod B. Shidham, Detroit, Mich.; Walter H. Henricks, Cleveland, Ohio; Yukako Yagi, Boston, Mass.

## PUBMED LISTED ARTICLES THROUGH JUNE 30, 2011

Manu Jain, Nidhi Shukla, Maryem Manzoor, Sylvie Nadolny, Sushmita Mukherjee. Modified full-field optical coherence tomography: A novel tool for rapid histology of tissues. *J Pathol Inform* 2011, 2:28 (14 June 2011). DOI:10.4103/2153-3539.82053

Lewis A Hassell, Kar-Ming Fung, Brad Chaser. Digital slides and ACGME resident competencies in anatomic pathology: An altered paradigm for acquisition and assessment. *J Pathol Inform* 2011, 2:27 (14 June 2011).

Clayton A Wiley, Geoff Murdoch, Anil Parwani, Terry Cudahy, David Wilson, Troy Payner, Kim Springer, Terrence Lewis. Interinstitutional and interstate teleneuropathology. *J Pathol Inform* 2011, 2:21 (11 May 2011). DOI:10.4103/2153-3539.80717 PMID: 21633488

H Prasad, Sangeeta Wanjari, Rajkumar Parwani. Global manipulation of digital images can lead to variation in cytological diagnosis. *J Pathol Inform* 2011, 2:20 (31 March 2011). DOI:10.4103/2153-3539.78498

Jason Hipp, Jerome Cheng, Jeffrey C Hanson, Wusheng Yan, Phil Taylor, Nan Hu, Jaime Rodriguez-Canales, Jennifer Hipp, Michael A Tangrea, Michael R Emmert-Buck, Ulysses Balis. SIVQ-aided laser capture microdissection: A tool for high-throughput expression profiling. *J Pathol Inform* 2011, 2:19 (31 March 2011). DOI:10.4103/2153-3539.78500

Oliver Lyttleton, Alexander Wright, Darren Treanor, Philip Quirke, Paul Lewis. Extending the tissue microarray data exchange specification for inclusion of data analysis results. *J Pathol Inform* 2011, 2:17 (31 March 2011). DOI:10.4103/2153-3539.78263

Alexander Wright, Oliver Lyttleton, Paul Lewis, Philip Quirke, Darren Treanor. The tissue microarray data exchange specification: Extending TMA DES to provide flexible scoring and incorporate virtual slides. *J Pathol Inform* 2011, 2:15 (15 March 2011). DOI:10.4103/2153-3539.78038

Gary E Blank, Mohamed A Virji. Development and implementation of an electronic interface for complex clinical laboratory instruments without a vendor-provided data transfer interface. *J Pathol Inform* 2011, 2:14 (26 February 2011). DOI:10.4103/2153-3539.77176 PMID: 21383937

Jason D Hipp, Jerome Y Cheng, Mehmet Toner, Ronald G Tompkins, Ulysses J Balis. Spatially Invariant Vector Quantization: A pattern matching algorithm for multiple classes of image subject matter including pathology. *J Pathol Inform* 2011, 2:13 (26 February 2011). DOI:10.4103/2153-3539.77175 PMID:21383936

Walter H Henricks. "Meaningful use" of electronic health records and its relevance to laboratories and pathologists. *J Pathol Inform* 2011, 2:7

(12 February 2011). DOI:10.4103/2153-3539.76733 PMID:21383931

Kit Fai Wong. Virtual blood bank. *J Pathol Inform* 2011, 2:6 (29 January 2011). DOI:10.4103/2153-3539.76155 PMID:21383930

Gaurav Sharma, Anil V Parwani, Jay S Raval, Darrell J Triulzi, Richard J Benjamin, Liron Pantanowitz. Contemporary issues in transfusion medicine informatics. *J Pathol Inform* 2011, 2:3 (7 January 2011). DOI:10.4103/2153-3539.74961 PMID:21383927

Klaus Kayser. Quantification of virtual slides: Approaches to analysis of content-based image information. *J Pathol Inform* 2011, 2:2 (7 January 2011). DOI:10.4103/2153-539.74945 PMID:21383926

Emily S Patterson, Mike Rayo, Carolina Gill, Metin N Gurcan. Barriers and facilitators to adoption of soft copy interpretation from the user perspective: Lessons learned from filmless radiology for slideless pathology. *J Pathol Inform* 2011, 2:1 (7 January 2011). DOI:10.4103/2153-3539.74940 PMID:21383925

Mark C Lloyd, Pushpa Allam-Nandyala, Chetna N Purohit, Nancy Burke, Domenico Coppola, Marilyn M Bui. Using image analysis as a tool for assessment of prognostic and predictive biomarkers for breast

cancer: How reliable is it? *J Pathol Inform* 2010, 1:29 (23 December 2010). DOI:10.4103/2153-3539.74186 PMID:21221174

Brian H Shirts, Brian R Jackson. Informatics methods for laboratory evaluation of HPV ordering patterns with an example from a nationwide sample in the United States, 2003-2009. *J Pathol Inform* 2010, 1:26 (3 December 2010). DOI:10.4103/2153-3539.73504 PMID:21189840

Pinky A Bautista, Yukako Yagi. Improving the visualization and detection of tissue folds in whole slide images through color enhancement. *J Pathol Inform* 2010, 1:25 (27 November 2010). DOI:10.4103/2153-3539.73320 PMID:21221170

Richard A Wilson, Wendy W Chapman, Shawn J DeFries, Michael J Becich, Brian E Chapman. Automated ancillary cancer history classification for mesothelioma patients from free-text clinical reports. *J Pathol Inform* 2010, 1:24 (11 October 2010). DOI:10.4103/2153-3539.71065 PMID:21031012

Waqas Amin, Harpreet Singh, Lynda Ann Dzubinski, Robert E Schoen, Anil V Parwani. Design and utilization of the colorectal and pancreatic neoplasm virtual biorepository: An early detection research network initiative. *J Pathol Inform* 2010, 1:22 (1 October 2010). DOI:10.4103/2153-3539.70831 PMID:21031013

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# Charter Teaching Institution Members

The Association for Pathology Informatics has taken the lead in addressing curriculum needs through the creation of its membership-based teaching program. This collaborative is managed by world-class experts in pathology informatics training and practice. Its goal is to provide residency programs with essential tools for high-quality pathology informatics training. This is a much-needed pathology informatics training support program. The vision is to create an informatics training consortium, as the association recognizes that many individual teaching institutions have bits and pieces of informatics programs but not the entire package.

## CHARTER TEACHING INSTITUTION MEMBERS

### Cleveland Clinic

Center for Pathology Informatics  
Cleveland, Ohio

Kandice Kottke-Marhant, MD, PhD, Chair  
Thomas Shirk, BS, Program Director  
and Mentor/Educator  
Walter H. Henricks, MD, Mentor/Educator

### Dalhousie University

Department of Pathology  
Halifax, Nova Scotia, Canada

J.G. Heathcote, MD, PhD, Chair  
Debby Caldwell, Program Director  
Calvino Cheng, MD, Mentor/Educator  
Heidi Paulin, MD, Trainee  
Erica Schollenberg, MD, Trainee

### Emory University

School of Medicine  
Department of Pathology &  
Laboratory Medicine  
Atlanta, Ga.

Tristram G. Parslow, MD, PhD, Chair  
Charles E. Hill, MD, Program Director  
Alexis B. Carter, MD, Mentor/Educator  
Alton Brad Farris, MD, Mentor/Educator  
Christina Appin, MD, Trainee

Jeffrey Eisenstein, MD, Trainee

Geoffrey Smith, MD, Trainee

Matthew Swadley, MD, Trainee

### Henry Ford Health System

Department of Pathology  
Detroit, Mich.

Richard Zarbo, MD, Chair and  
Mentor/Educator  
J. Mark Tuthill, MD, Mentor/Educator  
Mehrash Haghghi, MD, Trainee  
Robert Stapp, MD, Trainee

### Massachusetts General Hospital

Fellowship in Pathology Informatics  
Boston, Mass.

David N. Louis, MD, Chair  
Anand Dighe, MD, PhD, Mentor/Educator  
John Gilbertson, MD, Mentor/Educator  
Jason Baron, MD, Trainee  
William Lane, MD, Trainee  
David McClintock, MD, Trainee  
Bruce Levy, MD, Trainee

### Montefiore Medical Center Weiler Division

Department of Pathology  
New York, N.Y.

Michael B. Prystowsky, MD, PhD, Chair

Tylis Chang, MD, Mentor/Educator

Kathie Schlesinger, MD, Mentor/Educator

### Robert Wood Johnson Medical School (UMDNJ)

Department of Pathology  
Piscataway, N.J.

Evan Cadoff, MD, Chair  
Billie Fyfe-Kirschner, MD,  
Program Director  
Lauri Goodell, MD, Mentor/Educator  
Evita Sadimin, MD, Trainee  
Gregary Bocsi, DO, Trainee  
Alan Marcus, MD, Trainee  
Stephen Melito, DO, Trainee

### University at Buffalo, State University of New York

Department of Pathology  
Buffalo, N.Y.

John E. Tomaszewski, MD, Chair  
Lucia Balos, MD, Mentor/Educator  
Keith Krabill, MD, Mentor/Educator  
Simpal Gill, MD, Trainee  
Sirisa Kandel, MD, Trainee

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## PUBMED LISTED ARTICLES (continued from page 2)

Alina A Leung, Jerry J Lou, Sergey Mareninov, Steven S Silver, Mark J Routbort, Michael Riben, Gary Andrechak, William H Yong. Tolerance testing of passive radio frequency identification tags for solvent, temperature, and pressure conditions encountered in an anatomic pathology or biorepository setting. *J Pathol Inform* 2010, 1:21 (1 October 2010). DOI:10.4103/2153-3539.70710 PMID:21031010

Waqas Amin, Harpreet Singh, Andre K Pople, Sharon Winters, Rajiv Dhir, Anil V Parwani, Michael J Becich. A decade of experience in the development and implementation of tissue banking informatics tools for intra and inter-institutional translational research.

*J Pathol Inform* 2010, 1:12 (10 August 2010). DOI:10.4103/2153-3539.68314 PMID:20922029

Ji Yeon Kim, Thomas M Gudewicz, Anand S Dighe, John R Gilbertson. The pathology informatics curriculum wiki: Harnessing the power of user-generated content. *J Pathol Inform* 2010, 1:10 (13 July 2010). DOI:10.4103/2153-3539.65428 PMID:20805963

Hyunseok P Kang, Charles D Borromeo, Jules J Berman, Michael J Becich. The tissue microarray OWL schema: An open-source tool for sharing tissue microarray data. *J Pathol Inform* 2010, 1:9 (13 July 2010). DOI:10.4103/2153-3539.65347 PMID:20805954

Rebecca Levy, Liron Pantanowitz, Darlene Cloutier, Jean Provencher, Joan McGirr, Jennifer Stebbins, Suzanne Cronin, Josh Wherry, Joseph Fenton, Eileen Donelan, Vandita Johari, Chester Andrzejewski. Development of electronic medical record charting for hospital-based transfusion and apheresis medicine services: Early adoption perspectives. *J Pathol Inform* 2010, 1:8 (13 July 2010). DOI:10.4103/2153-3539.65345 PMID:20805955

Guoping Cai, Lisa A Teot, Walid E Khalbuss, Jing Yu, Sara E Monaco, Drazen M Jukic, Anil V Parwani. Cytologic evaluation of image-guided fine needle aspiration biopsies via robotic microscopy: A validation study.

*J Pathol Inform* 2010, 1:4 (26 May 2010). DOI:10.4103/2153-3539.63826 PMID:20805959

Neil R Kudler, Liron Pantanowitz. Overview of laboratory data tools available in a single electronic medical record. *J Pathol Inform* 2010, 1:3 (26 May 2010). DOI:10.4103/2153-3539.63824 PMID:20805960

Li Li, Bryan J Dangott, Anil V Parwani. Development and use of a genitourinary pathology digital teaching set for trainee education. *J Pathol Inform* 2010, 1:2 (26 May 2010). DOI:10.4103/2153-3539.63822 PMID:20805961

## Charter Teaching Institution Members *(continued from page 3)*

### **University of Alabama at Birmingham**

*Department of Pathology  
Birmingham, Ala.*

Kevin Roth, MD, PhD, Chair  
C. Bruce Alexander, MD,  
Program Director  
Jonas S. Almeida, PhD,  
Mentor/Educator  
James Robinson Hackney, MD, Trainee  
Young Soo Song, MD, PhD, Trainee

### **University of Arizona College of Medicine**

*Department of Pathology  
Tucson, Ariz.*

Achyut Bhattacharyya, MD, Chair  
Richard E. Sobonya, MD,  
Program Director  
Wenxin Zheng, MD, Mentor/Educator  
Robert P. Ricciotti, MD, Trainee  
Carlos Cantu, MD, Trainee  
Phillip Usera, MD, Trainee  
Michael Flores, MD, Trainee

### **University of California, Davis Health System**

*Department of Medical Pathology  
Davis, Calif.*

Lydia Howell, MD, Chair  
Penny Young, Program Coordinator  
Michael J. Hogarth, MD,  
Mentor/Educator  
Dariusz Borys, MD, Mentor/Educator  
Radhika Srinivasan, PhD, Trainee

### **University of California, San Francisco**

*Department of Laboratory Medicine  
San Francisco, Calif.*

Clifford A. Lowell, MD, PhD, Chair  
Enrique Terrazas, MD, PhD, Program  
Director and Mentor/Educator  
Charles Chiu, MD, PhD,  
Mentor/Educator  
Arun Wiita, MD, PhD, Trainee  
Robert Angelo, MD, PhD, Trainee  
Taylor Sittler, MD, Trainee  
Geoffrey Wool, MD, PhD, Trainee

### **University of Colorado—Denver**

*Department of Pathology  
Denver, Colo.*

Ann D. Thor, MD, Chair  
Robert L. Low, MD, PhD,  
Program Director

Philip J. Boyer, MD, PhD, Medical  
Director Pathology Informatics  
Yao Schmidt, MD, Trainee  
Jason Schocker, MD, Trainee  
John Scott, MD, Trainee  
Andrew Sholl, MD, Trainee

### **University of Michigan**

*Division of Pathology Informatics  
Ann Arbor, Mich.*

Jay L. Hess, MD, PhD, Chair  
Joseph C. Fantone, MD,  
Program Director  
Ulysses J. Balis, MD, Mentor/Educator  
Steve Kunkel, PhD, Mentor/Educator  
Jason Hipp, MD, PhD, Trainee  
Jennifer Hipp, MD, PhD, Trainee

### **University of Pennsylvania School of Medicine**

*Department of Pathology and  
Laboratory Medicine  
Philadelphia, Pa.*

David B. Roth, MD, PhD, Chair  
Gordon Yu, MD, Program Director  
Carolyn L. Cambor, MD, Curriculum  
Coordinator  
Lyndsey Emery, MD, PhD, Trainee  
Vijay Bhoj, MD, PhD, Trainee  
Craig Soderquist, MD, Trainee  
Elizabeth Azzato, MD, PhD, Trainee

### **University of Pittsburgh Medical Center**

*Department of Pathology  
Pittsburgh, Pa.*

George K. Michalopoulos, MD, PhD, Chair  
Trevor MacPherson, MB, ChB, FRCOG  
(London), MS Adm. Med,  
Program Director  
Anil V. Parwani, MD, PhD,  
Mentor/Educator  
Liron Pantanowitz, MD,  
Mentor/Educator  
Milon Amin, MD, Trainee  
Seung Park, MD, Trainee  
Somak Roy, MD, Trainee  
Gaurav Sharma, MD, Trainee

### **University of Pittsburgh School of Medicine**

*Department of Biomedical Informatics*

Michael J. Becich, MD, PhD, Chair  
Rebecca S. Crowley, MD, MS,  
Program Director  
Waqas Amin, MD, Trainee

### **University of Southern California**

*Department of Pathology  
Los Angeles, Calif.*

Michael Selsted, MD, PhD, Chair  
Raymond A. Aller, MD, Mentor/Educator  
John Vallone, MD, Mentor/Educator

### **Wake Forest Baptist Health**

*Department of Biomedical Informatics  
Winston Salem, N.C.*

A. Julian Garvin, MD, PhD, Chair  
Constance Stanton, MD,  
Program Director  
S. Joseph Sirintrapun, MD,  
Mentor/Educator  
Ryna T. Mott, MD, Mentor/Educator  
Kyle Mills, MD, Trainee  
Shaozhou “Ken” Tian, MD, Trainee  
Andrew Johnsen, MD, Trainee  
A. Citabria Holley, MD, Trainee

### **BENEFITS ASSOCIATED WITH TEACHING INSTITUTIONAL MEMBERSHIP INCLUDE:**

- Home page recognition on API Web site, [www.pathologyinformatics.org](http://www.pathologyinformatics.org)
- Two Mentor/Educator memberships as sustaining members of API, which includes one manuscript submission at no charge if accepted for the *Journal of Pathology Informatics*
- Four trainee memberships of API, which include one manuscript at no charge if accepted for the *Journal of Pathology Informatics*
- Discounted registration at the national meeting, Pathology Informatics 2011, including an API Presidents' Trainees Lunch



# API Budget (FINAL 7/13/2011)

6/30/2011

## REVENUE

### Membership Fees

Individual Regular FY11 (\$115)	\$2,415.00
Individual Regular FY12 (\$115)	\$3,911.00
Sustaining FY11 (\$225)	\$450.00
Sustaining FY12 (\$225)	\$1,350.00
Teaching Institutional FY 12 (\$1,500)	\$10,500.00
Institutional/Organizations FY11 (\$500)	\$500.00
Corporate FY11 (\$1,500)	\$3,000.00
Associate FY11 (Peter J. Becich Educational Grant)	\$3,550.00
<b>Total Membership Revenue</b>	<b>\$25,676.00</b>

**Other Revenue** **\$28,389.73**

**TOTAL REVENUE** **\$54,065.73**

## EXPENSES

### Professional Fees

Legal	\$6,222.50
Accounting	\$2,500.00
Web Services	\$2,140.00

### Other Expenses

Bank and Credit Card Service Fee	\$1,101.02
<i>Journal of Pathology Informatics</i>	\$1,378.39
Other	\$2,691.24

**TOTAL EXPENSES** **\$16,033.15**

**Net Operating Gain/Loss** **\$38,032.58**

**Fiscal Year Starting Fund Balance** **\$28,098.00**

**Fiscal Year Ending Fund Balance** **\$66,130.58**

# Travel Awards: Pathology Informatics, September 2010



**Brett Baskovich, MD**  
University of Florida  
Gainesville, Fla.

**Rebecca Levy, MD**  
Baystate Medical Center  
Springfield, Mass.

**Dorina Gul, MD, PhD**  
University of California,  
Los Angeles  
Los Angeles, Calif.

**David P. Ng, MD**  
Dartmouth-Hitchcock  
Medical Center  
Lebanon, N.H.

**Mehrvash Haghghi, MD**  
Los Angeles County Harbor-  
UCLA Medical Center  
Torrance, Calif.

**Ashokkumar A. Patel, MD**  
Case Western Reserve  
University  
Cleveland, Ohio

**Jason Hipp, MD, PhD**  
University of Michigan  
Ann Arbor, Mich.

**Yao Schmidt, MD**  
University of Colorado Denver  
Aurora, Colo.

**Gregory Kotnis, MD**  
University of Colorado Denver  
Aurora, Colo.

**Gaurav Sharma, MD**  
Henry Ford Health System  
Detroit, Mich.

**Oleksandr Kryvenko, MD**  
Henry Ford Health System  
Detroit, Mich.

## API Membership Summary (2010-11)

	FY10	FY11	FY12 (paid FY11)		
<b>Year-to-Date: June 2011</b>	<b>Paid Members</b>	<b>YTD Members</b>	<b>Renewed Members</b>	<b>New Members</b>	<b>Total Members</b>
Regular	60	21	19	15	96
Sustaining	17	2	6	0	19
Sustaining <i>(through organizational membership)</i>			6	5	5
Associate <i>(Becich Fund)</i>	18	71	3	3	92
Associate <i>(personal payment)</i>	1				1
Associate <i>(through teaching membership)</i>			6	3	3
<b>Total Individual Members</b> <i>(excludes organizations and corporate memberships)</i>					<b>216</b>
Institutional/organization	4	1			5
Teaching institutional				7	7
Corporate <i>(complimentary Pathology Informatics 2010)</i>		8			8
Corporate	2	2			4

# Brief History of Association of Pathology Informatics (API)

The Association for Pathology Informatics (API) was founded in 2000 by a group of pathologists interested in defining pathology informatics as a clinical subspecialty within pathology by way of education. API continues to support this educational mission by

1. Sponsoring a national educational meeting;
2. Providing educational content to other Pathology meetings (e.g. United States and Canadian Academy of Pathology annual meeting);
3. Developing and educating members about standards for reporting, transferring, storing, and merging pathology-related information;
4. Developing an independent, not-for-profit, open access peer-reviewed electronic academic journal, *Journal of Pathology Informatics (JPI)*, which published the first quarterly edition in March 2010. *JPI* is available for viewing at [jpathinformatics.org](http://jpathinformatics.org). *JPI* is indexed in PubMed; and
5. Promoting education of residents and practicing pathologists in informatics and technology that enhances the field of laboratory medicine.

## API previously cosponsored two major national meetings

**each year:** Advancing Practice, Instruction and Innovation through Informatics (APIII) and Lab InfoTech Summit. APIII was hosted and organized by the Department of Biomedical Informatics at the University of Pittsburgh School of Medicine under the direction of Dr. Michael Becich. Lab InfoTech Summit was hosted and organized by the Pathology Education Consortium under the direction of Dr. Bruce Friedman. API has also sponsored or conducted numerous educational workshops in conjunction with the College of American Pathologists, ASIP, and AMP. API has sponsored pathology resident travel awards to the APIII and Lab InfoTech Summit meetings in order to foster interest in pathology informatics as a discipline among pathology trainees. API has published a comprehensive set of learning objectives and skill sets for training in Pathology Informatics for pathology residents to encourage the integration of a high quality informatics experience within pathology residency programs (Henricks et al, *Arch Pathol Lab Med* 2003; 127: 1009-1018).

API also has worked to create data standards and educate members about such standards, relating to both pathology research and service pathology to encourage effective reporting and integration of pathology data. API cosponsored four workshops along with the National Cancer Institutes to develop an open access tissue microarray data exchange specification (Berman et al, *BMC Med Inform Decis Mak* 2003, 3:5. Available at: <http://www.biomedcentral.com/1472-6947/3/5>). The API Laboratory Digital Imaging Project (LDIP) was initiated in 2004 as a forum for collaboration between the academic, research, and biotech communities for the development of industry standards for pathology image and data interchange to improve the quality of research in pathology and patient care.

Since September 2010, API has been a cosponsor of the merged APIII and Lab InfoTech Summit, creating a single national pathology informatics meeting, Pathology Informatics 2011 (see [www.pathinformatics.pitt.edu](http://www.pathinformatics.pitt.edu)).

## ORGANIZATION BACKGROUND

API was organized in 2000 as a part of Universities Associated for Research and Education in Pathology (UAREP), a 501(c)(3) organization that subsequently dissolved in 2002. At that time, the American Society for Investigative Pathology (ASIP), 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 Web site ([www.pathinformatics.org](http://www.pathinformatics.org)) and 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.