The ASCI/AAP Joint Meeting 2010

April 23 – 25, 2010
The Fairmont Chicago
Chicago, Illinois

Meeting Program

www.the-asci.org  www.aap-online.org

www.jointmeeting.org
Special Events at the 2010 ASCI/AAP Joint Meeting

**Friday**  
**April 23**

**ASCI Welcome Reception**  
6 – 7 p.m.  
OPEN TO ALL MEETING ATTENDEES  
The ASCI Welcome Reception brings together attendees of the 2010 ASCI/AAP Joint Meeting.  
**Imperial Ballroom Foyer (level B2)**

**ASCI Dinner**  
7 – 9 p.m.  
TICKETED GUESTS ONLY  
The ASCI welcomes its new members for 2010 at its Annual Dinner, with a presentation by Elizabeth G. Nabel, MD, President, Brigham and Women’s Hospital.  
**Moulin Rouge, 1st floor**

**Saturday**  
**April 24**

**AAP Reception and Dinner**  
7 – 10 p.m.  
TICKETED GUESTS ONLY  
The AAP welcomes its new members for 2010 at its Annual Reception and Dinner. The reception begins at 7 p.m. in the **Imperial Ballroom Foyer (level B2)**, followed by dinner in the **Imperial Ballroom** at 8 p.m. Dinner guest Anna Deavere Smith, MFA, New York University, will present “Let Me Down Easy.”

**Dessert Reception**  
10 p.m. – Midnight  
OPEN TO ALL MEETING ATTENDEES  
The day concludes with a fantastic array of dessert items and a cash bar. All attendees are welcome!  
**Imperial Ballroom Foyer**
General Information

Continuing Medical Education (CME)

Accreditation and Credit Designation
This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the University of Chicago Pritzker School of Medicine and The American Society for Clinical Investigation and the Association of American Physicians. The University of Chicago Pritzker School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

The University of Chicago Pritzker School of Medicine designates this educational activity for a maximum of 6.75 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Learning Objectives
At the conclusion of the 2010 ASCI/AAP Joint Meeting, participants should be able to:
• describe important recent advances in cell biology and signaling,
• describe novel strategies to address challenges to the clinical investigator
• describe the roles that improved understanding of these advances and strategies can play in the potential treatment of human disease.

Overall Meeting Evaluation
The ASCI/AAP Joint Meeting Planning Committee needs your input to enhance future meetings. An online meeting evaluation survey will be e-mailed to you shortly after the Joint Meeting. Your participation in this survey is greatly appreciated.

Poster Session Schedule
Friday, April 23
Setup 1 p.m. – 3 p.m.
Viewing 6 p.m. – 9:30 p.m.
Saturday, April 24
Viewing 7 a.m. – 8:30 a.m.
Presentation 11:30 a.m. – 1:30 p.m.
Saturday, April 24
Dismantle 1:30 p.m. – 2:00 p.m.

Presenters must be at their posters from 11:30 a.m. – 1:30 p.m. on April 24. Presenters are not required to be present during all viewing hours.

Best Poster Awards
Best Poster Awards will be given in the amount of $1,000 each. Members of the ASCI and the AAP will judge posters on scientific novelty, quality and clarity of presentation. Awards will be presented on Saturday, 2:50 – 3:00 p.m.

ASCI Membership Desk
Visit the ASCI membership desk in the foyer of the International Ballroom for a list of new members, to pick up complimentary recent issues of The Journal of Clinical Investigation, and for general inquiries about membership.

AAP Membership Desk
Visit the AAP membership desk in the foyer of the International Ballroom. The AAP staff will be there to greet you and answer membership questions.

Registration Hours
Friday, April 23 1:00 p.m. – 7:00 p.m.
Saturday, April 24 7:00 a.m. – 5:00 p.m.
Sunday, April 25 7:00 a.m. – 10:00 a.m.
## Scientific Program

**Friday, April 23**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>1:00 p.m. – 3:00 p.m.</td>
<td>Poster Setup</td>
<td>Imperial Ballroom</td>
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<tr>
<td>1:00 p.m. – 7:00 p.m.</td>
<td>Registration</td>
<td>International Ballroom Foyer</td>
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<tr>
<td>1:00 p.m. – 3:15 p.m.</td>
<td>APSA Program – Session I</td>
<td>Moulin Rouge</td>
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<tr>
<td>1:00 p.m. – 1:15 p.m.</td>
<td>Welcoming Remarks</td>
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<td></td>
<td>Jarish Cohen, APSA Annual Meeting Committee Chair</td>
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<td><em>University of Virginia School of Medicine</em></td>
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<td>1:15 p.m. – 1:55 p.m.</td>
<td>...Through Academia Into Industry</td>
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<td>Barbara White, MD</td>
<td><em>MedImmune</em></td>
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<td>1:55 p.m. – 2:35 p.m.</td>
<td>Unraveling the Syndrome of Diabetic Embryopathy</td>
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<td>E. Albert Reece, MD, PhD, MBA</td>
<td><em>University of Maryland School of Medicine</em></td>
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<td>2:35 p.m. – 3:15 p.m.</td>
<td>How to Solve a Scientific Puzzle: Clues from Stockholm and Broadway</td>
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<td>Joseph Goldstein, MD</td>
<td><em>UT Southwestern Medical Center</em></td>
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<td>3:15 p.m. – 4:00 p.m.</td>
<td>Women in Medicine Panel</td>
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<td><strong>Panel members:</strong></td>
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<td></td>
<td>Juanita Merchant, MD, PhD</td>
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<td><em>University of Michigan Medical School</em></td>
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<td>Patricia Molina, MD, PhD</td>
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<td><em>Louisiana State University Health Sciences Center</em></td>
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<td>School of Medicine at New Orleans</td>
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<td>Andrew Schafer, MD</td>
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<td><em>Weill Cornell Medical Center</em></td>
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<td>Christine Seidman, MD</td>
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<td><em>Brigham and Women’s Hospital</em></td>
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<td>4:00 p.m. – 6:00 p.m.</td>
<td>Joint Meeting Opening Plenary Session</td>
<td>International Ballroom</td>
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<td><strong>Chairs:</strong> Paul S. Mischel, MD and Jack Elias, MD</td>
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<td>4:00 p.m. – 4:30 p.m.</td>
<td>TGFß Vasculopathies</td>
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<td>Hal Dietz, MD</td>
<td><em>Johns Hopkins Medicine</em></td>
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<td>4:30 p.m. – 5:00 p.m.</td>
<td>PI 3-Kinase, Metabolism and Disease</td>
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<td>Lewis C. Cantley, PhD</td>
<td><em>Harvard Medical School</em></td>
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<td>5:00 p.m. – 5:30 p.m.</td>
<td>Breaking Down the Pathogenesis of an Inherited Ataxia</td>
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<td>Huda Y. Zoghbi, MD</td>
<td><em>Baylor College of Medicine</em></td>
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<td>5:30 p.m. – 6:00 p.m.</td>
<td>HSP90 Fueling Evolution: Drug Resistance and Cancer</td>
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<td>Susan Lindquist, PhD</td>
<td><em>Whitehead Institute for Biomedical Research</em></td>
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<td>ASCI Annual Dinner</td>
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<td>Introduction of New Members</td>
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<td><strong>Dinner Speaker:</strong> Elizabeth G. Nabel, MD</td>
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<td><em>Brigham and Women’s Hospital</em></td>
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<td>7:00 p.m. – 9:00 p.m.</td>
<td>APSA Dinner Outing — offsite</td>
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<td>Groups will meet by the Registration Desk at the Fairmont Hotel</td>
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<td>9:00 p.m. – Midnight</td>
<td>APSA Welcome Reception</td>
<td>Pritzker Pavilion, Millennium Park</td>
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<td>APSA Presidential Address</td>
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<td>David Braun</td>
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<td><em>Mount Sinai School of Medicine</em></td>
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[www.jointmeeting.org](http://www.jointmeeting.org)
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<td>Mentoring Breakfast</td>
<td>Moulin Rouge</td>
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<td>Continental Breakfast</td>
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<td>Registration</td>
<td>International Ballroom Foyer</td>
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</table>
| 8:30 a.m. – 11:30 a.m. | **Plenary Session**  
*Chairs: Jonathan Epstein, MD and Ralph I. Horwitz, MD* | International Ballroom     |
| 8:30 a.m. – 9:00 a.m. | **Of Cliffs, Wings, and the Importance of Risk-taking**  
Francis Collins, MD, PhD  
*National Institutes of Health* |                           |
| 9:00 a.m. – 9:30 a.m. | **Orphan Nuclear Receptors as Therapeutic Targets: From Worms to Humans**  
David Mangelsdorf, PhD  
*UT Southwestern Medical Center* |                           |
| 9:30 a.m. – 10:00 a.m. | **Understanding the Words of Chromatin Remodeling**  
Gerald R. Crabtree, MD  
*Stanford University* |                           |
| 10:00 a.m. – 10:15 a.m. | Break                                                                | International Ballroom Foyer |
| 10:15 a.m. – 10:45 a.m. | **MicroRNA Control of Muscle Disease: From New Biology to New Therapeutics**  
Eric N. Olson, PhD  
*UT Southwestern Medical Center* |                           |
| 10:45 a.m. – 11:15 a.m. | **Intracellular Proteolysis: From the Backyard of Biomedical Research to the Forefront of the Patient Bed**  
Aaron Ciechanover, MD, DSc  
*Israel Institute of Technology* |                           |
| 11:15 a.m. – 11:30 a.m. | **AAP Annual Business Meeting**                                       | State Room                |
| 11:30 a.m. – 1:30 p.m. | **Poster Presentations with Box Lunch**                              | Imperial Ballroom         |
| 1:30 p.m. – 2:00 p.m. | **APSA Session**  
Career Development Workshop Sessions                                   | Embassy Room               |
| 1:30 p.m. – 2:00 p.m. | **Residency 101**  
Robin Lorenz, MD, PhD  
*University of Alabama – Birmingham School of Medicine* | State Room                |
| 1:30 p.m. – 2:00 p.m. | **Grant Writing/Funding**  
Charles Dearolf, PhD  
*National Institute of General Medical Sciences, National Institutes of Health* | Gold Room                |
| 1:30 p.m. – 2:00 p.m. | **Med to Grad Transition**  
M. Kerry O'Banion, MD, PhD  
*University of Rochester School of Medicine & Dentistry* |                           |
| 1:30 p.m. – 2:00 p.m. | **Poster Dismantle**                                                  | Imperial Ballroom         |
| 1:30 p.m. – 3:00 p.m. | **ASCI and AAP New Member Presentations**  
*Chairs: Paul S. Mischel, MD and Jack Elias, MD* | International Ballroom    |
| 1:30 p.m. – 1:50 p.m. | **Integrating Genomic and Proteomic Approaches for Cancer Discovery**  
Kimberly Stegmaier, MD (ASCI)  
*Harvard Medical School, Dana-Farber Cancer Institute* |                           |
| 1:50 p.m. – 2:10 p.m. | **From Skeletal Dysplasias to Osteosarcoma: NOTCHing the Bone**  
Brendan Lee, MD, PhD (AAP)  
*Baylor College of Medicine* |                           |
## Scientific Program

### S A T U R D A Y, A P R I L 2 4 ( C O N T I N U E D )

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<tr>
<th>Time</th>
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| 2:10 p.m. – 2:30 p.m. | Therapeutic Gene Delivery Using Hematopoietic Stem Cells for the Treatment of Sickle Cell Disease  
  John F. Tisdale, MD (ASCI)  
  National Institute of Diabetes and Digestive and Kidney Diseases | International Ballroom         |
| 2:30 p.m. – 2:50 p.m. | ‘Intimate Strangers’: The Human Microbiome  
  David A. Relman, MD (AAP)  
  Stanford University |                              |
| 2:50 p.m. – 3:00 p.m. | Best Poster Awards Presentation  
  Chairs: Jonathan Epstein, MD, Ralph I. Horwitz, MD and Freddy Nguyen | International Ballroom         |
| 3:00 p.m. – 3:30 p.m. | Break | International Ballroom Foyer |
| 3:30 p.m. – 4:15 p.m. | Kober Medal Presentation  
  Recipient: Stuart Kornfeld, MD  
  Washington University in St. Louis School of Medicine  
  Presenter: Ajit Varki, MD  
  Glycobiology Research and Training Center, University of California, San Diego | International Ballroom         |
| 4:15 p.m. – 5:00 p.m. | ASCI / Stanley J. Korsmeyer Award Lecture  
  Recipient: Andrew R. Marks, MD  
  Columbia University College of Physicians and Surgeons  
  Role of Intracellular Calcium Leak in Disorders of Heart, Muscle and Brain  
  Presenter: Jonathan Epstein, MD  
  University of Pennsylvania School of Medicine |                              |
| 5:00 p.m. – 5:30 p.m. | AAP Presidential Address  
  Humane Science and Humanistic Medicine  
  Ralph I. Horwitz, MD  
  Stanford University |                              |
| 5:30 p.m. – 6:00 p.m. | ASCI Presidential Address  
  Lessons of Our Fathers  
  Jonathan Epstein, MD  
  University of Pennsylvania School of Medicine |                              |
| 6:45 p.m. – 8:45 p.m. | APSA Dinner  
  Pre-Dinner Remarks by Francis Collins, MD, PhD  
  National Institutes of Health  
  Strategies to Enjoy Career and Life Success as a Physician-Scientist  
  Speaker: Jennifer Grandis, MD, FACS  
  University of Pittsburgh | Moulin Rouge                     |
| 7:00 p.m. – 10:00 p.m. | AAP Annual Reception and Dinner  
  Let Me Down Easy  
  Speaker: Anna Deavere Smith, MFA | Imperial Ballroom               |
| 10:00 p.m. – Midnight | Dessert Reception  
  (open to all attendees) | Imperial Foyer                  |
## Scientific Program

**SUNDAY, APRIL 25**

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<th>Time</th>
<th>Event</th>
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<td>Continental Breakfast</td>
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<td>7:00 a.m. – 8:15 a.m.</td>
<td>Mentoring Breakfast</td>
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<td>7:00 a.m. – 10:00 a.m.</td>
<td>Registration</td>
<td>International Ballroom Foyer</td>
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<tr>
<td>8:30 a.m. – 11:30 a.m.</td>
<td>APSA Program — Session II</td>
<td>International Ballroom</td>
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<tr>
<td>8:30 a.m. – 11:30 a.m.</td>
<td>Keynote Speakers and Best Poster Oral Presentations</td>
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<td>Chairs: David Braun, Ralph I. Horwitz, MD, and Jonathan Epstein, MD</td>
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<td>8:30 a.m. – 8:40 a.m.</td>
<td>Development of Functional Natural Killer Cells from Human Pluripotent Stem Cells</td>
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<td>David Knorr, MD-PhD Student</td>
<td>University of Minnesota Medical School</td>
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<tr>
<td>8:40 a.m. – 8:50 a.m.</td>
<td>YKL-40: A Potential Novel Fluid Biomarker for Early Alzheimer's Disease</td>
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<td>Rebecca Craig-Schapiro, MD-PhD Student</td>
<td>Washington University in St. Louis School of Medicine</td>
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<td>8:50 a.m. – 9:30 a.m.</td>
<td>Keynote Speaker</td>
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<td>Narrative Knowledge in the Clinical Sciences</td>
<td>Columbia University College of Physicians and Surgeons</td>
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<td>9:30 a.m. – 9:40 a.m.</td>
<td>Integrated Genomic Analyses of Human Pancreatic Cancer and Glioblastoma Multiforme</td>
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<td></td>
<td>Xiaosong Zhang, PhD Student</td>
<td>Johns Hopkins Medical Institutions</td>
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<td>9:40 a.m. – 9:50 a.m.</td>
<td>Telomere Shortening, Cellular Senescence, and Tumorigenesis in Auft-Deficient Mice</td>
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<td></td>
<td>Navid Sadri, MD-PhD Student</td>
<td>New York University School of Medicine</td>
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<td>9:50 a.m. – 10:30 a.m.</td>
<td>Keynote Speaker</td>
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<td>John E. Niederhuber, MD</td>
<td>Director, National Cancer Institute</td>
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<tr>
<td>10:30 a.m. – 10:40 a.m.</td>
<td>Engineering Immunity Against HIV: A Stem Cell Vaccine</td>
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<td>Kenneth Yu, MD-PhD Student</td>
<td>California Institute of Technology/University of Southern California</td>
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<td>10:40 a.m. – 10:50 a.m.</td>
<td>GATA4, A Regulator of Pancreatic Beta Cell Survival</td>
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<td>Daniel Sartori, Pre-doctoral Fellow</td>
<td>Children’s Hospital of Philadelphia</td>
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<td>10:50 a.m. – 11:30 a.m.</td>
<td>Keynote Speaker</td>
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<td>Discovery of Nitric Oxide and Cyclic GMP and Their Role in Drug Development</td>
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<td>Ferid Murad, MD, PhD</td>
<td>Director, Institute of Molecular Medicine, University of Texas - Houston</td>
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<td>11:30 a.m. – 12:30 p.m.</td>
<td>APSA Post-Graduate Opportunities Panel</td>
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<td>Mark A. Goldberg, MD</td>
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<td>Senior Vice President, Genzyme Corporation</td>
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<td>Alan Hauser, MD, PhD</td>
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<td>Assistant Professor, Department of Microbiology-Immunology</td>
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<td>Northwestern University Feinberg School of Medicine</td>
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<td>Bruce Quinn, MD, PhD</td>
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<td>Senior Health Policy Specialist, Government Strategies Practice, Foley Hoag, LLP</td>
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<td>Shelly Timmons, MD, PhD</td>
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<td>Associate Professor, Chief of Neurotrauma Division Department of Neurosurgery</td>
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<td>University of Tennessee Health Science Center</td>
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<td>Carter Van Waes, MD</td>
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<td>Chief, Head and Neck Surgery Branch</td>
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<td>Clinical Director, National Institute on Deafness and Other Communication Disorders</td>
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<tr>
<td>12:30 p.m. – 2:30 p.m.</td>
<td>APSA Residency Luncheon</td>
<td>Moulin Rouge</td>
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Committee and Faculty

2010 ASCI/AAP Joint Meeting Planning Committee

Jonathan Epstein, MD
ASCI President
University of Pennsylvania
School of Medicine

Paul S. Mischel, MD
ASCI President-Elect
David Geffen School of Medicine at UCLA

Elizabeth McNally, MD, PhD
ASCI Vice President
University of Chicago
Pritzker School of Medicine

Nancy C. Andrews, MD, PhD
ASCI Immediate Past President
Duke University Medical Center

Ralph I. Horwitz, MD
AAP President
Stanford University

Jack Elias, MD
AAP President-Elect
Yale University School of Medicine

David Brenner, MD
AAP Vice President and Secretary
University of California, San Diego

Elliott Kieff, MD, PhD
AAP Immediate Past President
Harvard University

Program Faculty

Lewis C. Cantley, PhD
Harvard Medical School

Rita Charon, MD, PhD
Columbia University College of Physicians and Surgeons

Aaron Ciechanover, MD, DSc
Israel Institute of Technology

Francis Collins, MD, PhD
National Institutes of Health

Gerald R. Crabtree, MD
Stanford University

Rebecca Craig-Schapiro, MD-PhD
Student
Washington University in St. Louis School of Medicine

Hal Dietz, MD
Johns Hopkins Medicine

Jonathan Epstein, MD
ASCI President
University of Pennsylvania
School of Medicine

Joseph Goldstein, MD
UT Southwestern Medical Center

Ralph I. Horwitz, MD
AAP President
Stanford University

David Knorr, MD-PhD Student
University of Minnesota Medical School

Stuart Kornfeld, MD
Washington University in St. Louis School of Medicine

Brendan Lee, MD, PhD
Baylor College of Medicine

Susan Lindquist, PhD
Whitehead Institute for Biomedical Research

Robin Lorenz, MD, PhD
University of Alabama – Birmingham School of Medicine

David Mangelsdorf, PhD
UT Southwestern Medical Center

Andrew R. Marks, MD
Columbia University College of Physicians and Surgeons

Juanita Merchant, MD, PhD
University of Michigan Medical School

Patricia Molina, MD, PhD
Louisiana State University Health Sciences Center – School of Medicine at New Orleans

Ferid Murad, MD, PhD
University of Texas – Houston

John E. Niederhuber, MD
National Cancer Institute, National Institutes of Health

M. Kerry O’Banion, MD, PhD
University of Rochester School of Medicine & Dentistry

Eric N. Olson, PhD
UT Southwestern Medical Center

E. Albert Reece, MD, PhD, MBA
University of Maryland School of Medicine

David A. Relman, MD
Stanford University

Navid Sadri, MD-PhD Student
New York University School of Medicine

Daniel Sartori, Pre-doctoral Fellow
Children’s Hospital of Philadelphia

Andrew Schafer, MD
Weill Cornell Medical Center

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