# TheASCI/AAPJoint Meeting 2010

### April 23 – 25, 2010

The Fairmont Chicago Chicago, Illinois

> Meeting Program

> > www.aap-online.org







www.the-asci.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) Poster Session Schedule

#### **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<sup>™</sup>. 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.

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.

## The ASCI/AAP Joint Meeting

#### Scientific Program

#### FRIDAY, APRIL 23

Time	Event	Location							
1:00 p.m. – 3:00 p.m.	Poster Setup	Imperial Ballroom							
1:00 p.m. – 7:00 p.m.	Registration	International Ballroom Foyer							
1:00 p.m. – 3:15 p.m.	APSA Program – Session I	Moulin Rouge							
1:00 p.m. – 1:15 p.m.	Welcoming Remarks Jarish Cohen, APSA Annual Meeting Committee Chair University of Virginia School of Medicine								
1:15 p.m. – 1:55 p.m.	<b>Through Academia Into Industry</b> Barbara White, MD <i>MedImmune</i>								
1:55 p.m. – 2:35 p.m.	<b>Unraveling the Syndrome of Diabetic Embryopathy</b> E. Albert Reece, MD, PhD, MBA <i>University of Maryland School of Medicine</i>								
2:35 p.m. – 3:15 p.m.	How to Solve a Scientific Puzzle: Clues from Stockholm and Broadway Joseph Goldstein, MD UT Southwestern Medical Center	7							
3:15 p.m. – 4:00 p.m.	Women in Medicine Panel <u>Panel members:</u> 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 Andrew Schafer, MD Weill Cornell Medical Center Christine Seidman, MD Brigham and Women's Hospital	Moulin Rouge							
4:00 p.m. – 6:00 p.m.	Joint Meeting Opening Plenary Session Chairs: Paul S. Mischel, MD and Jack Elias, MD	International Ballroom							
4:00 p.m. – 4:30 p.m.	<b>ΤGFß Vasculopathies</b> Hal Dietz, MD <i>Johns Hopkins Medicine</i>								
4:30 p.m. – 5:00 p.m.	PI 3-Kinase, Metabolism and Disease Lewis C. Cantley, PhD Harvard Medical School								
5:00 p.m. – 5:30 p.m.	<b>Breaking Down the Pathogenesis of an Inherited Ataxia</b> Huda Y. Zoghbi, MD <i>Baylor College of Medicine</i>								
5:30 p.m. – 6:00 p.m.	HSP90 Fueling Evolution: Drug Resistance and Cancer Susan Lindquist, PhD Whitehead Institute for Biomedical Research								
6:00 p.m. – 7:00 p.m.	ASCI Welcome Reception	Imperial Ballroom Foyer							
6:00 p.m. – 9:30 p.m.	Poster Viewing	Imperial Ballroom							
7:00 p.m. – 9:00 p.m.	ASCI Annual Dinner Introduction of New Members Dinner Speaker: Elizabeth G. Nabel, MD Brigham and Women's Hospital	Moulin Rouge							
7:00 p.m. – 9:00 p.m.	APSA Dinner Outing — offsite Groups will meet by the Registration Desk at the Fairmont Hotel								
9:00 p.m. – Midnight	APSA Welcome Reception APSA Presidential Address David Braun Mount Sinai School of Medicine	Pritzker Pavilion, Millennium Park							
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### Scientific Program

#### SATURDAY, APRIL 24

Time	Event	Location								
7:00 a.m. – 8:15 a.m.	Mentoring Breakfast	Moulin Rouge								
7:00 a.m. – 8:30 a.m.	Continental Breakfast	International Ballroom Foyer								
7:00 a.m. – 8:30 a.m.	Poster Viewing	Imperial Ballroom								
7:00 a.m. – 5:00 p.m.	Registration	International Ballroom Foyer								
8:30 a.m. – 11:30 a.m.	Plenary Session       International Ballroom         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 Hu David Mangelsdorf, PhD UT Southwestern Medical Center	imans								
9:30 a.m. – 10:00 a.m.	<b>Understanding the Words of Chromatin Remodeling</b> Gerald R. Crabtree, MD <i>Stanford University</i>									
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 Thera Eric N. Olson, PhD UT Southwestern Medical Center	apeutics								
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									
1:30 p.m. – 2:00 p.m.	<b>Residency 101</b> 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	Embassy Room								
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 International Ballroom Chairs: Paul S. Mischel, MD and Jack Elias, MD									
1:30 p.m. – 1:50 p.m.	7									
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									

## The ASCI/AAP Joint Meeting

#### **Scientific Program**

#### SATURDAY, APRIL 24 (CONTINUED)

Time	Event	Location
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.	<b>'Intimate Strangers': The Human Microbiome</b> David A. Relman, MD (AAP) <i>Stanford University</i>	
2:50 p.m. – 3:00 p.m.	Best Poster Awards Presentation Chairs: Jonathan Epstein, MD, Ralph I. Horwitz, MD and Freddy Nguye	en
3:00 p.m. – 3:30 p.m.	Break	International Ballroom Foyer
3:30 p.m. – 4:15 p.m.	Kober Medal Presentation Recipient: <b>Stuart Kornfeld, MD</b> Washington University in St. Louis School of Medicine Presenter: <b>Ajit Varki, MD</b> Glycobiology Research and Training Center, University of California, San Dieg	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 E Presenter: Jonathan Epstein, MD University of Pennsylvania School of Medicine	Brain
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 <b>Let Me Down Easy</b> <i>Speaker:</i> Anna Deavere Smith, MFA	Imperial Ballroom
10:00 p.m. – Midnight	Dessert Reception (open to all attendees)	Imperial Foyer

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### Scientific Program

#### SUNDAY, APRIL 25

Time		Even	t													I	ocat	ion		
6:45 a.m. – 8:30 a.m.		Contine	ental I	Break	fast													tional m Foy		
7:00 a.m. – 8:15 a.m.		Mentoring Breakfast											N	Ioulin	Rouge	9				
7:00 a.m. – 10:00 a.n	1.	Registr	ation															tional m Foy		
8:30 a.m. – 11:30 a.n	1.	APSA	Progr	ram –	- Ses	sion I	I									Iı	nterna	tional	Ballr	oom
8:30 a.m. – 11:30 a.n	1.	Keyno Chairs:	-											Epste	ein, M	ID				
8:30 a.m. – 8:40 a.m.		Develo David H Univers	Knorr,	MD-I	PhD S	Studen	ıt		Killeı	Ce	lls	from	Hum	an Pl	uripo	otent	Stem	Cells	8	
8:40 a.m. – 8:50 a.m.		Rebecca	WKL-40: A Potential Novel Fluid Biomarker for Early Alzheimer's Disease         Rebecca Craig-Schapiro, MD-PhD Student         Washington University in St. Louis School of Medicine																	
8:50 a.m. – 9:30 a.m.		<u>Keynot</u> Narrat Rita Ch <i>Columb</i>	t <b>ive K</b> naron,	<b>nowl</b> MD, 1	PhD							ons								
9:30 a.m. – 9:40 a.m.		Integra Xiaosor Johns I	ng Zha	ing, P	hD St	udent		Hun	nan F	anc	erea	atic (	Cance	r and	l Glio	blast	oma I	Multi	forme	•
9:40 a.m. – 9:50 a.m.		Telome Navid S New Yo	Sadri,	MD-F	PhD S	tuden	t		scenc	e, ai	nd '	Tum	orige	nesis	in Au	af1-D	eficie	nt Mi	ce	
9:50 a.m. – 10:30 a.n	1.	New York University School of Medicine Keynote Speaker John E. Niederhuber, MD Director, National Cancer Institute																		
10:30 a.m. – 10:40 a.	m.	Engineering Immunity Against HIV: A Stem Cell Vaccine Kenneth Yu, MD-PhD Student California Institute of Technology/University of Southern California																		
10:40 a.m. – 10:50 a.	m.	GATA4 Daniel <i>Childre</i>	Sartor	ri, Pre	e-docto	oral F	ellow	ic Be	eta C	ell S	Sur	vival								
10:50 a.m. – 11:30 a.m.       Keynote Speaker         Discovery of Nitric Oxide and Cyclic GMP and Their Role in Drug Development         Ferid Murad, MD, PhD         Director, Institute of Molecular Medicine, University of Texas - Houston																				
11:30 a.m. – 12:30 p.m.       APSA Post-Graduate Opportunities Panel         Mark A. Goldberg, MD       Senior Vice President, Genzyme Corporation         Alan Hauser, MD, PhD       Assistant Professor, Department of Microbiology-Immunology         Northwestern University Feinberg School of Medicine       Bruce Quinn, MD, PhD, MBA         Senior Health Policy Specialist, Government Strategies Practice, Foley Hoag, LLP         Shelly Timmons, MD, PhD, FACS         Associate Professor, Chief of Neurotrauma Division Department of Neurosurgery         University of Tennessee Health Science Center         Carter Van Waes, MD, PhD         Chief, Head and Neck Surgery Branch																				
10.00	Clinical Director, National Institute on Deafness and Other Communication Disorders																			
<u>12:30 p.m. – 2:30 p.n</u>	n.	APSA I	<b>t</b> eside	ncy L	unche	eon										N.	loulin	Rouge	9	
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### TheASCI/AAPJoint Meeting

#### **Committee and Faculty**

#### 2010 ASCI/AAP Joint Meeting Planning Committee

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

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#### **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

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Brendan Lee, MD, PhD Baylor College of Medicine

Susan Lindquist, PhD Whitehead Institute for Biomedical Research

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

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**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

**Christine Seidman, MD** Brigham and Women's Hospital

Kimberly Stegmaier, MD Harvard Medical School Dana-Farber Cancer Institute

John F. Tisdale, MD National Institute of Diabetes and Digestive and Kidney Diseases

Ajit Varki, MD University of California, San Diego Glycobiology Research and Training Center

Barbara White, MD MedImmune

Kenneth Yu, MD-PhD Student California Institute Technology / University of Southern California

**Xiasong Zhang, PhD Student** Johns Hopkins University

Huda Y. Zoghbi, MD Baylor College of Medicine

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#### Leadership

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Christine E. Seidman, MD Brigham and Women's Hospital

#### **ASCI/AAP Joint Meeting Travel Award Recipients**

**Steven Back** *Temple University* 

Samuel Bakhoum Dartmouth Medical School

**Thomas Flood** University of Massachusetts Medical School

**Dayna Groskreutz** University of Iowa **David Knorr** University of Minnesota Medical School

Keith Olsen University of Rochester

**Feroz Papa** University of California, San Francisco

Andrew Perrin The Hospital for Sick Children

Navid Sadri New York University School of Medicine Daniel Sartori Children's Hospital of Philadelphia

J. Joshua Smith Vanderbilt University

**Kel Vin Woo** Vanderbilt University

Kenneth Yu California Institute of Technology

#### **APSA Annual Meeting Travel Award Recipients**

The American Physician Scientists Association (APSA) is dedicated to addressing the needs of future physician-scientists with a focus on training and career development. APSA currently focuses its priorities in the four pillars of mentoring, networking, outreach and resources. APSA, founded in 2004, held its first annual meeting in 2005 as a satellite meeting to the ASCI/AAP Joint Meeting. Since then, APSA, a trainee-based organization and a fully volunteer organization, has continued to increase and integrate the contributions of physician-scientist trainees to the Joint Meeting.

#### Christopher Alvarez-Breckenridge

The Ohio State University

Arezoo Astanehe University of British Columbia

**Angel Byrd** Brown University

Diane Chan Boston University School of Medicine

**Rebecca Craig-Schapiro** Washington University in St. Louis School of Medicine

Sara Dawit Scripps College

**Jennifer Griffith** Washington University in St. Louis School of Medicine

Indriati Hood Vanderbilt University School of Medicine Pinelopi Kapitsinou Vanderbilt University Medical Center

Alexandra Kreins The Rockefeller University

**Kristen Livesey** University of Pittsburgh

Juan Matute Indiana University School of Medicine

Susan McClory The Ohio State University

Melissa Mizesko Indiana University School of Medicine

**Kwadwo Oduro Jr.** Washington University in St. Louis School of Medicine

**Jonathan Pitcher** Drexel University College of Medicine Kathryn Potter University of British Columbia

**Catherine Spina** Boston University

**Jaeyun Sung** University of Illinois at Urbana-Champaign

Suzanne Thibodeaux University of Texas Health Sciences Center at San Antonio

Kerry Welsh University of Texas Health Sciences Center at Houston

**Fiona Young** University of British Columbia

Xiaosong Zhang Johns Hopkins Medical Institutions

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CHANCELLOR ROOM

#### GOLD ROOM PANTRY BEEGENCY BEEG

**International Ballroom Level** 

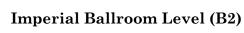
(2nd level)

Lobby Level (1st level)

STATE ROOM

ANREASSADOR ROOM

PRE-FUNCTION

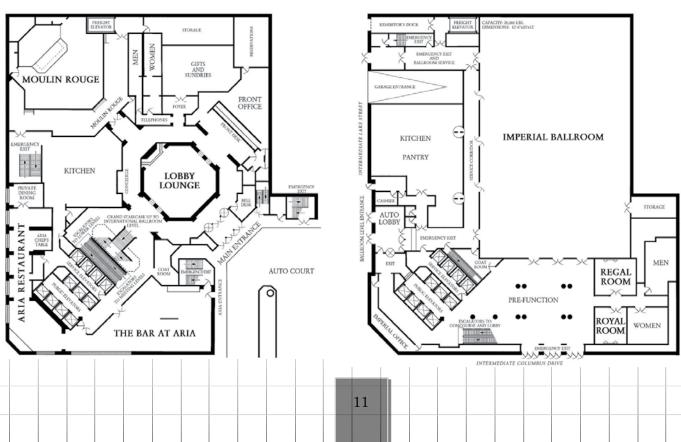


PRE-FUNCTION

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### The ASCL/AAP Joint Meeting

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#### Special Thanks to This Year's Generous Supporters of the ASCI/AAP Joint Meeting

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#### Thanks to supporters of the APSA Annual Meeting

APSA-hosted sessions are supported by the National Institutes of Health (National Cancer Institute), the Burroughs-Wellcome Fund, the AAAS – Clinical and Translational Science Network, Genentech, Vanderbilt University Physician-Scientist Training Program, and the Brigham and Women's Hospital Internal Medicine Residency Program.

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