The ASCI/AAP Joint Meeting

American Society for Clinical Investigation and Association of American Physicians

April 24 – 26, 2009

The Fairmont Chicago Chicago, Illinois

Meeting Program



Joint Sponsorship for Continuing Medical Education

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the Federation of American Societies for Experimental Biology and ASCI-AAP. The Federation of American Societies for Experimental Biology is accredited by the ACCME to provide continuing medical education for physicians.



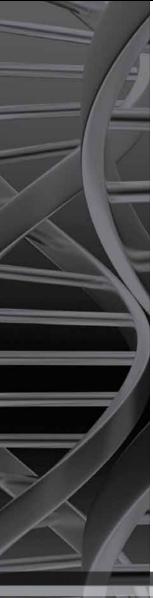
www.the-asci.org



www.aap-online.org

www.jointmeeting.org

The ASCI/AAP Joint Meeting



Welcome to Chicago!





Special Events

ASCI Welcome Reception and ASCI Annual Dinner Friday, April 24 6 – 9 p.m.

On Friday, April 24, at 6 p.m., the ASCI Welcome Reception brings together attendees of the ASCI/AAP 2009 Joint Meeting. This event will take place in the Imperial Ballroom foyer, and all attendees of the ASCI/AAP Joint Meeting are invited to attend. The ASCI Annual Dinner follows at 7 p.m. in the Moulin Rouge room. Tickets are \$60, supply is limited. The dinner will feature a talk titled, "Translational Research: Converting the Valley of Death into the Garden of Eden" by **Barry S. Coller, MD,** *The Rockefeller University,* and **Robert M. Califf, MD,** *Duke Clinical Research Institute.*

AAP Reception and Dinner Saturday, April 25 7 – 10 p.m.

On Saturday, April 25, the AAP Annual Reception and Dinner will be held in the Imperial Ballroom. The reception will begin at 7 p.m. in the Imperial Ballroom Foyer, followed by dinner at 8 p.m. **Paul Farmer, MD, PhD,** *Harvard Medical School, Brigham and Women's Hospital,* will present, "Poverty and Sustainable Healthcare." This dinner is open to AAP membership and their guests only.



General Information

Meeting Objectives

The Joint Meeting Planning Committee strives to represent the cutting edge of biomedical research and medicine. The Committee is especially interested in identifying gaps in knowledge that may exist in the target audience, which consists of physician-scientists, research scientists, clinicians and medical education professionals. The meeting also targets junior scientists and trainees, who benefit from close interaction with senior colleagues.

The Joint Meeting conducts post-meeting surveys of attendees to ensure that the objectives of the meeting have been reached and that quality standards have been met. For the 2006 through 2008 Joint Meetings, attendees reported that the overall meeting was above average to exceptional (a score of 1.72, on a scale of 1 through 5, 1 being exceptional), they reported a high degree of satisfaction in achieving the meeting's learning objectives (a score of 1.73), and had above average to exceptional practical application to their research and practice (a score of 1.9). Additionally, survey results indicated a broad appeal to diverse disciplines. For the last three years, survey respondents have identified their areas of work as basic research (~13% of respondents on average), endocrinology/metabolism (~10%), immunology (~9%), nephrology (~7%), infectious diseases (~7%), and cancer biology (~6%), with representation beyond this inclusive of cardiology, neurology, rheumatology, pulmonology, gastroenterology, and others.

Given that the Joint Meeting Planning Committee has worked to produce a meeting of broad applicability, these survey results indicate that the Joint Meeting format meets this goal and serves a crucial need in the community of researchers and physicians to which the meeting is targeted. Based on the objectives and program described in this proposal, the Planning Committee believes that this year's Joint Meeting will continue this tradition of excellence. Stem cell biology and the role of innate immunity are the topics for the 2009 Joint Meeting, with presentation of the following planned:

- The investigation of stem cell biology
- The potential use of stem cells in the treatment of human disease, with discussion of tissue-specific stem cells
- The role of the innate immune system in response to pathogenic and non-pathogenic disease
- The role of innate immunity in the induction of acquired immunity

The program will feature lectures by leaders in their respective fields who will discuss state-of-the-art advances that are evidence-based and relevant to the objectives of the meeting. The program is designed to foster in-depth discussions and close interactions among the meeting participants, including various break-out sessions especially for the benefit of junior investigators and trainees. At the completion of this meeting, participants will be able to: (1) describe important recent advances in stem-cell biology and innate immunity, and (2) describe the roles that improved understanding of stem-cell biology and innate immunity can play in the potential treatment of human disease.

The Joint Meeting stands in contrast to subspecialty meetings by providing unprecedented opportunities for professional and scientific interactions among investigators and clinicians from diverse areas. The meeting truly represents the crossroads of multidisciplinary biomedical research.

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.

CME Information

The Federation of American Societies for Experimental Biology (FASEB) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor continuing medical education for physicians. This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (CME) through the joint sponsorship of the FASEB and the ASCI and AAP.

FASEB designates this educational activity for a maximum of 8.5 AMA PRA Category 1 Credit(s).TM Physicians should claim only credit commensurate with the extent of their participation in the activity. CME applications will be available at the registration desk. You must submit your application for CME credits online at: www.faseb.org/ meetings/cmeactivities.htm. After entering the site, you will need to input your Joint Meeting Member ID in order to complete the online application. You can find this number on your Joint Meeting confirmation and receipt. There is a \$45 processing fee payable by credit card.

Questions regarding your continuing education credits should be directed to:

FASEB CME

Office of Scientific Meetings and Conferences 9650 Rockville Pike, Bethesda, MD 20814-3998 USA Tel: +1-301-634-7010 Fax: +1-301-634-7014 E-mail: fasebcme@faseb.org

Poster Session Schedule

Friday, April 24	Set-up	4 p.m. – 7 p.m.
Friday, April 24	Viewing	7 p.m. – 9:30 p.m.
Saturday, April 25	Viewing	7 a.m. – 11:30 a.m.
Saturday, April 25	Presentation	11:50 a.m. – 1:30 p.m.
Saturday, April 25	Dismantle	1:30 p.m. – 2:30 p.m.

Presenters must attend the 11:50 a.m. – 1:30 p.m. session on April 25. Presenters are not required to be present during 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 Sunday at 9 a.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 24	1:00 p.m. – 7:00 p.m.
Saturday, April 25	7:00 a.m. – 5:00 p.m.
Sunday, April 26	7:00 a.m. – 10:00 a.m.

Scientific Program

Friday, April 24

Time	Event	Location
4:00 p.m 7:00 p.m.	Poster Setup	Imperial Ballroom
1:00 p.m. – 7:00 p.m.	Registration	International Ballroom Foyer
3:00 p.m. – 4:00 p.m.	Young Investigator Reception	International Ballroom Foyer
3:30 p.m. – 4:00 p.m.	ASCI Business Meeting (All ASCI Members Welcome)	International Ballroom
4:00 p.m. – 6:00 p.m.	Opening Plenary Session: BASIC STEM CELL BIOLOGY Chairs: Jon Epstein, MD and Francis S. Collins, MD, PhD	International Ballroom
4:00 p.m. – 5:00 p.m.	Patient-Specific Pluripotent Stem Cells George Daley, MD, PhD Children's Hospital Boston	
5:00 p.m. – 6:00 p.m.	Skin Stem Cells: Biology and Clinical Promise Elaine Fuchs, PhD The Rockefeller University	
6:00 p.m. – 7:00 p.m.	ASCI Welcome Reception	Imperial Ballroom Foyer
7:00 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 Address: Translational Research: Converting the Valley of Death Barry S. Coller, MD, The Rockefeller University Robert M. Califf, MD, Duke Clinical Research Institute	Moulin Rouge into the Garden of Eden

Saturday, April 25

Time	Event	Location
7:00 a.m. – 5:00 p.m.	Registration	International Ballroom Foyer
7:00 a.m. – 8:00 a.m.	AAP Council Meeting (invited guests only)	State Room
7:00 a.m. – 8:15 a.m.	Mentoring Breakfast	Moulin Rouge
	Sponsored by the Doris Duke Charitable Foundation	
7:00 a.m 8:30 a.m.	Continental Breakfast	International Ballroom Foyer
7:00 a.m. – 11:30 a.m.	Poster Viewing	Imperial Ballroom
8:30 a.m 11:30 a.m.	Plenary Session: TISSUE SPECIFIC STEM CELLS	International Ballroom
	Chairs: Nancy C. Andrews, MD, PhD and Elliott Kieff, MD, PhD	
8:30 a.m. – 9:25 a.m.	Skeletal Tissue Engineering	
	Michael T. Longaker, MD, MBA	
	Stanford School of Medicine	
9:25 a.m. – 10:20 a.m.	Stem Cells, Progenitors and the Origins of Brain Tumors	
	Rob Wechsler-Reya, PhD	
	Duke University Medical Center	
10:20 a.m. – 10:35 a.m.	Break	International Ballroom Foyer
10:35 a.m. – 11:30 a.m.	Reversing Dysfunction of Aged Stem Cells	
	Amy Wagers, PhD	
	Harvard Medical School	
11:30 a.m. – 11:50 p.m.	ASCI/AAP Distinguished Public Service Awardee	
	US Senator Arlen Specter (R-PA)	
	A Call to Action to Accelerate Cures	
11.50 1.00	Introduction by Elliott Kieff, MD, PhD; President, AAP	
11:50 a.m. – 1:30 p.m.	Poster Presentations with Box Lunch	Imperial Ballroom
	Sponsored by the University of Pennsylvania School of Medicine and the David Geffen School of Medicine at UCLA	
1:30 p.m. – 2:00 p.m.	Poster Dismantle	

Scientific Program

Saturday, April 25 (Continued)

Time	Event	Location
1:30 p.m. – 3:30 p.m.	Plenary Session: INNATE IMMUNITY Chairs: Jonathan Epstein, MD and Francis S. Collins, MD, PhD	International Ballroom
1:30 p.m. – 2:10 p.m.	Negative Regulation of TLR Response Shizuo Akira, MD, PhD Japan Science and Technology Agency	
2:10 p.m. – 2:50 p.m.	Innate Control of Adaptive Immunity Ruslan Medzhitov, PhD Yale School of Medicine	
2:50 p.m. – 3:30 p.m.	Gene Therapy Clinical Trial for LcA2 William H. Hauswirth, PhD University of Florida, Gainesville	
3:30 p.m. – 3:45 p.m.	Break	International Ballroom Foyer
3:45 p.m. – 5:05 p.m.	ASCI and AAP New Member Presentations Chairs: Nancy C. Andrews, MD, PhD and Elliott Kieff, MD, PhD	International Ballroom
3:45 p.m. – 4:05 p.m.	Toll Like Receptors, Dendritic Cells and the Modulation of Immunity Nina Bhardwaj, MD, PhD (AAP New Member) <i>New York University School of Medicine</i>	
4:05 p.m. – 4:25 p.m.	Programming Chromatin States by Long Noncoding RNAs Howard Y. Chang, MD, PhD (ASCI New Member) Stanford University	
4:25 p.m. – 4:45 p.m.	Elaborating "Druggable" Dependencies Linked to Genomic Alterations in Human Cancer Levi A. Garraway, MD, PhD (ASCI New Member) Harvard Medical School and Dana-Farber Cancer Institute	
4:45 p.m. – 5:05 p.m.	Next Generation of Gene Fusion Discovery in Cancer Arul M. Chinnaiyan, MD, PhD (AAP New Member) University of Michigan Medical School	
5:05 p.m. – 5:35 p.m.	AAP Presidential Address Physician-Scientist Creativity, Unknowns, and 3-legged Stools Elliott Kieff, MD, PhD Harvard Medical School, AAP President	International Ballroom
5:35 p.m. – 6:05 p.m.	ASCI Presidential Address Can We Keep 'Academic' in Academic Medical Centers? Nancy C. Andrews, MD, PhD Duke University Medical Center, ASCI President	International Ballroom
7:00 p.m. – 10:00 p.m.	AAP Reception and Dinner Dinner Address: Poverty and Sustainable Health Care Paul Farmer, MD, PhD Harvard Medical School, Brigham and Women's Hospital	Imperial Ballroom and Foyer
10 p.m. to 11:30 p.m.	Dessert Reception Sponsored by the Doris Duke Charitable Foundation	Imperial Ballroom Foyer

Scientific Program

Sunday, April 26

Time	Event	Location
6:45 a.m. – 8:30 a.m.	Continental Breakfast	International Ballroom Foyer
7:00 a.m. – 10:00 a.m.	Registration	International Ballroom Foyer
3:00 a.m. – 8:15 a.m.	AAP Business Meeting	International Ballroom
8:15 a.m. – 9:00 a.m.	Kober Medal Presentation	International Ballroom
	Chairs: Elliott Kieff, MD, PhD and Francis S. Collins, MD, PhD Acceptance of the Kober Medal for 2009 Recipient: Francois M. Abboud, MD University of Iowa College of Medicine Presenter: Michael Welsh, MD University of Iowa College of Medicine	
9:00 a.m. – 9:20 a.m.	Best Poster Awards Presentation Chairs: Nancy C. Andrews, MD, PhD and Elliott Kieff, MD, PhD	International Ballroom
9:20 a.m. – 10:20 a.m.	Kober Lecture Chairs: Elliott Kieff, MD, PhD and Francis S. Collins, MD, PhD Pursuing Cystic Fibrosis Michael Welsh, MD, University of Iowa College of Medicine	
10:20 a.m. – 11 a.m.	The ASCI Stanley J. Korsmeyer Award Lecture Presenter: Nancy C. Andrews, MD, PhD Transcriptional Regulation of Metabolism Mitchell A. Lazar, MD, PhD University of Pennsylvania School of Medicine	International Ballroom



Committee and Faculty

2009 ASCI/AAP Joint Meeting Planning Committee

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

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

Paul Mischel, MD ASCI Vice President David Geffen School of Medicine at UCLA

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Francis S. Collins, MD, PhD AAP President-Elect National Institutes of Health

Ralph I. Horwitz, MD AAP Vice President Stanford University Medical Center

Judith Swain, MD AAP Immediate Past President Singapore Institute for Clinical Sciences University of California San Diego School of Medicine

Program Faculty

Francois M. Abboud, MD University of Iowa College of Medicine

Shizuo Akira, MD, PhD *Japan Science and Technology Agency*

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

Nina Bhardwaj, MD, PhD New York University School of Medicine

Howard Y. Chang, MD, PhD Stanford University

Arul M. Chinnaiyan, MD, PhD University of Michigan Medical School

George Daley, MD, PhD *Children's Hospital Boston*

Elaine Fuchs, PhD The Rockefeller University

Levi A. Garraway, MD, PhD Harvard Medical School and Dana-Farber Cancer Institute **William H. Hauswirth, PhD** University of Florida, Gainesville

Elliott Kieff, MD, PhD AAP Vice President Harvard University

Mitchell A. Lazar, MD, PhD University of Pennsylvania School of Medicine

Michael T. Longaker, MD, MBA Stanford School of Medicine

Ruslan Medzhitov, PhD Yale School of Medicine

Amy Wagers, PhD *Harvard Medical School*

Rob Wechsler-Reya, PhD Duke University Medical Center

Michael Welsh, MD University of Iowa College of Medicine

Faculty Disclosure

The Federation of American Societies for Experimental Biology (FASEB) requires that audiences at FASEB-sponsored educational programs be informed of a presenter's (speaker, faculty, author or contributor) academic and professional affiliation, and the existence of any significant financial interest or other relationship a presenter has with the manufacturer(s) of any commercial product(s) discussed in an educational presentation. When an unlabeled use of a commercial product or an investigational use not yet approved for any purpose is discussed during the presentation, it is required that presenters disclose that the product is not labeled for the use under discussion or that the product is still investigational. This policy allows the listener/attendee to be fully knowledgeable in evaluating the information being presented.

Disclosure includes any relationship that may bias one's presentation or which, if known, could give the perception of bias. These situations may include, but are not limited to:

- 1. Stock options or bond holdings in a for-profit corporation or self-directed pension plan
- 2. Research grants
- 3. Employment (full- or part-time)
- 4. Ownership or partnership
- 5. Consulting fees or other remuneration
- 6. Non-remunerative positions of influence such as officer, board member, trustee or public spokesperson
- 7. Receipt of royalties
- 8. Speakers bureau
- 9. Other

For full-time employees of industry or government, the affiliation listed in this program will constitute full disclosure.

The following presenters have indicated a relationship that, in the context of their presentation, could be perceived by some as a real or apparent conflict of interest but do not consider that it will influence their presentation. The number following each company name represents the specific relationship from the list above. Disclosure information is printed exactly as submitted by the presenter. If a presenter is not listed, then he/she had no relationship to disclose. Disclosures from program committee members are also included.

Faculty Name	Disclosure
Arul M. Chinnaiyan	Gen-Probe – 9
	(Consultant)
	Ventatna – 9
	(Consultant)
Coller, Barry	Centocor – 7
	Accumetrics – 5, 7
	Novo Nordisk – 7
Daley, George	MPM Capital – 9 (Member-SAB)
	Epizyme – 9 (Member-SAB)
	Solasia – 9 (Member-SAB)
	Pierian – 9 (Member-SAB)
Hauswirth, William	AGTC Inc. – 9 (Co-Founder, Shareholder, Consultant)
Lazar, Mitchell A.	GlaxoSmithKline – 9 (Research Consultant)
Mischel, Paul	Cellfluidics, Inc. – 4 (Co-founder)
	N-of-One Therapeutics – 9 (Scientific Advisory Board)
Sawyers, Charles	Merck & Co Inc. – 9 (Consultant)
	Exelixis – 9 (Consultant)
Wagers, Amy	GlaxoSmithKline – 7
	Merck – 7
	IEK – 7
	AVOS - 7
	Novartis – 7
Welsh, Michael	Exemplar Genetics – 4
weish, michael	(Part owner)

Leadership

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Gary Koretzky, MD, PhD Abramson Family Cancer Research Institute/University of Pennsylvania

Richard P. Lifton, MD Yale University School of Medicine

Elizabeth Nabel, MD National Heart Lung and Blood Institute

Paul Rothman, MD University of Iowa

ASCI/AAP Joint Meeting Travel Awardees

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Suzanne R Thibodeaux University of Texas Health Science

Michael A Valentino Thomas Jefferson University

Frances Maria Saccoccio Virginia Commonwealth University

A. Helena Jonsson *Washington University School of Medicine, St. Louis* **Cecinio Ronquillo** University of Utah

Sandhya Ravichandran University of Utah

Monica Walker Washington University, St. Louis

Daniel Schneider University of Utah

Meera Sridharan Saint Louis University School of Medicine

Thanks to ASCI/AAP Joint Meeting Event Sponsors

Doris Duke Charitable Foundation

Dessert Reception, Poster Session

The University of Pennsylvania School of Medicine Poster Session

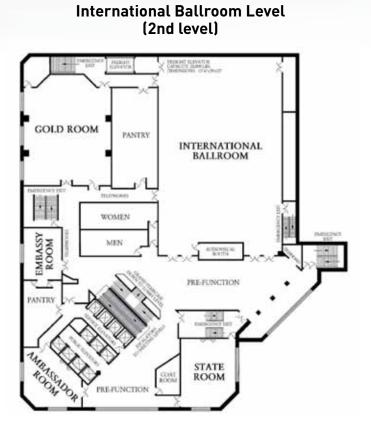
The David Geffen School of Medicine at UCLA

Poster Session





Hotel Floor Plans

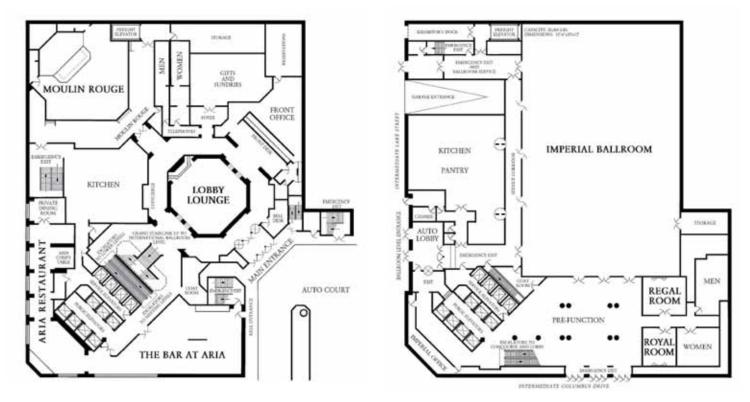


Meeting Room Level (3rd level)



Lobby Level (1st level)

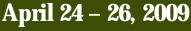




TheASCI/AAP Joint Meeting

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