



2017 Annual Meeting of the American Society for Biochemistry and Molecular Biology

Program information: www.asbmb.org/meeting2017 • Inquiries: meetings@asbmb.org

ASBMB Spotlight Sessions – New in 2017!

Put your research in the “spotlight”! **Opportunities to present short oral presentations** of submitted research will be offered, Sunday through Tuesday, during ASBMB’s afternoon series of Spotlight Sessions. Based on the volunteered submissions, multiple Spotlight Sessions will be created to showcase the most exciting and compelling research across the field of biochemistry and molecular biology.

Submit your abstract to an ASBMB topic category (**ASBMB topics number 2000-2324**).

ASBMB 2017 Award Lectures

- ▶ **Alice and C. C. Wang Award in Molecular Parasitology and Symposium**
David L. Sibley, Washington University School of Medicine in St. Louis
- ▶ **ASBMB Award for Exemplary Contributions to Education**
Erin Dolan, The University of Texas at Austin
- ▶ **ASBMB Young Investigator Award**
Sinisa Urban, Johns Hopkins University School of Medicine
- ▶ **ASBMB-Merck Award**
Judith Frydman, Stanford University
- ▶ **Avanti Award in Lipids**
Volker Haucke, Leibniz Institute for Molecular Pharmacology
- ▶ **Bert and Natalie Vallee Award in Biomedical Science**
Ronald Evans, The Salk Institute for Biological Sciences and Howard Hughes Medical Institute
(Lecture will be presented in 2018.)
- ▶ **DeLano Award for Computational Biosciences**
Brian K. Shoichet, University of California, San Francisco
- ▶ **Earl and Thresa Stadtman Distinguished Scientist Award**
Susan S. Taylor, University of California, San Diego
- ▶ **Herbert Tabor Research Award**
Susan Gottesman, National Cancer Institute
- ▶ **Mildred Cohn Award in Biological Chemistry**
Wei Yang, National Institute of Diabetes and Digestive and Kidney Diseases
- ▶ **Ruth Kirschstein Diversity in Science Award**
Douglas Robinson, Johns Hopkins University School of Medicine
- ▶ **Walter A. Shaw Young Investigator Award in Lipid Research**
Gregory D. Fairn, St. Michael’s Hospital
- ▶ **William C. Rose Award**
William T. Wickner, Dartmouth Medical School

ASBMB Speakers Symposia

The latest research from across the interdisciplinary world of biochemistry and molecular biology is in one place for you to explore. Daily, morning sessions feature invited presentations that will inform and inspire!

SUNDAY, APRIL 23, 2017

- ▶ **Biochemistry, physiology, and pathophysiology of sphingolipids**
Yusuf Hannun, Antonella De Matteis, Gregory D. Fairn, Timothy Hla, Howard Riezman
- ▶ **Life at higher resolution: Single molecule and single cell technologies**
Taekjip Ha, Hendrik Dietz, Erez S. Lieberman Aiden, Michelle Wang
- ▶ **Hypoxia: Life at high altitude**
William Kaelin, Fraydoon Rastinejad, Peter J. Ratcliffe, Eli M. Wallace
- ▶ **Dynamics of cytoskeletal assembly**
Thomas D. Pollard, Margaret Gardel, Melissa K. Gardner, Marcos Sotomayor
- ▶ **New approaches for antibiotic discovery**
Magda Barbu, Eric J. Brown, Eric Brown, Timothy Lu
- ▶ **High resolution imaging in medicine**
Sponsored by the Society for Experimental Biology and Medicine
Warren Zimmer

MONDAY, APRIL 24, 2017**▶ New insights into nuclear structure and function**

David L. Spector, Xavier Darzacq, Robert Goldman, Tracy L. Johnson

▶ Supramolecular complexes

Anne-Claude Gingras, Albert J.R. Heck, Edward Marcotte, John Rubenstein

▶ Basis of longevity and age-related diseases

Anne Brunet, Andrew Dillin, Matt R. Kaeberlein, Linda Partridge

▶ Discovery and development of new enzyme chemistry

J. Martin Bollinger, Jr., Emily P. Balkus, Squire J. Booker,

▶ New insights into mechanisms of antibiotic action

James Collins, Kim Lewis, Martin Schmeing, Nora Vazquez-Laslop

▶ Organs on a chip

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John Wikswo, Joanna E. Burdette, Thomas B. Knudsen, William L. Murphy, D. Lansing Taylor

TUESDAY, APRIL 25, 2017**▶ Organelle trafficking and signaling**

Gia K. Voeltz, Navdeep S. Chandel, Martin Hetzer, Erika L.F. Holzbaur

▶ Metal homeostasis

Amy C. Rosenzweig, David Giedroc, Somshuvra Mukhopadhyay, Elizabeth M. Nolan

▶ Biochemical basis of cellular processes

Xiaodong Wang, Feng Shao, Guo-Liang Xu, Bing Zhu

▶ Glycobiology, glycan receptors and functional glycomics

Nancy M. Dahms, Galit Alter, Richard D. Cummings, Laura L. Kiessling

▶ Antibiotic resistance

Gautam Dantas, Ken Gerdes, Deborah T. Hung, Joao Xavier

▶ Nutrition impact on bacteria and host health: From basic science to global view

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Clinton Allred, Arul Jayaraman, Sharon M. Donovan, Mark J. Manary, Stephen J.D. O'Keefe

WEDNESDAY, APRIL 26, 2017**▶ New insights in regulated lipid metabolism**

Rudolf Zechner, Russell A. DeBose-Boyd, Lina M. Obeid, Stephen G. Young

▶ Molecular quality control

David Ron, Susan L. Ackerman, Bernd Bukau, Adam Frost, Christopher D. Lima

▶ Low complexity domain proteins and the making of germ cells

Angelika Amon, Abby F. Dernburg, Ruth Lehmann, Geraldine Seydoux

▶ Redox signaling and the metabolome

Ruma Banerjee, Joan B. Broderick, Vadim Gladyshev, David H. Sherman

ASBMB Education and Professional Development Program**SUNDAY, APRIL 23, 2017****▶ Enhancing STEM student success and retention in the academic pipeline**

Lisa Elfring, Sarah Jewett, Gloria Trujillo

▶ Immigration and visa issues for foreign STEM graduate students and postdoctoral fellows

Jennifer Kerilla, Rajendrani Mukhopadhyay, Nancy Vizer, Vivian Wang

MONDAY, APRIL 24, 2017**▶ A 21st century approach to STEM teaching and research mentoring**

Myra Burnett, Shea Feeney, Richard McGee Jr.

▶ Attaining employment, tenure and promotion across the STEM academic landscape

Ann Aguanno, Teaster Baird Jr., Thomas Baldwin, Vahe Bandarian, Margaret Carroll

ASBMB Workshops: Tools, Techniques and Development

Daily workshops will explore the latest methodologies, technology and tools that will help propel research projects from the bench to publication. Some workshops will include demonstrations and hands-on work. Professional development workshops will support attendees at all career stages. Visit www.asbmb.org/meeting2017.

ASBMB Travel Awards

Applicant is responsible for following all application requirements posted at www.asbmb.org/meeting2017/travelawards. Applicant must submit his/her own application by the posted deadline. Advisors should NOT submit abstracts or applications on behalf of a student/trainee.

ASBMB Undergraduate Student Research Poster Competition

Saturday, April 22, 2017 • Chicago, IL

Cash prizes awarded to students making the best poster presentations.

Sign up information and competition details for competitors and judges available at www.asbmb.org/meeting2017.

ASBMB Special Events

- ▶ Graduate and Postdoctoral Professional Development Program
- ▶ Undergraduate Student Research Poster Competition
- ▶ Welcome and Networking Reception sponsored by the ASBMB Minority Affairs Committee
- ▶ Women Scientists Panel and Networking

ASBMB PRESENTS A DAY OF DEVELOPMENT

Calling all graduate students and postdoctoral fellows. Get the most out of your ASBMB meeting experience and sign up for a day of activities especially with your professional development needs in mind. Saturday, April 22nd, will include a career panel, workshops, speakers luncheon and networking. Connect with other graduate students and postdoctoral fellows on Saturday and make contacts for the entire meeting and beyond.

Sign up during the EB meeting registration process. Activity fee applies.