

MEETING AT A GLANCE

Saturday	
8:00 am	Registration Open
9:00 am	Mentoring Keynote
10:30 am	Grant Writing Seminar
1:00 pm	Special Interest Subgroups A. Autophagy in Disease and Survival B. Building the Cell C. Cellular and Molecular Mechanobiology: New Approaches, Systems, and Responses D. Connexins and Pannexins in Disease E. Cytoskeletal and Membrane Protein Dynamics at the T Cell Immunological Synapse F. Diverse Roles of Glycans and Glycan-Binding Proteins in Human Diseases G. Dynamic Interplay between Lipids, Curvatures, and Diseases of Biological Membranes H. Extracellular Vesicles - Biogenesis and Function I. Increasing Diversity in a Changing Research Landscape J. Microtubule Networks in Differentiated Cells K. Neuronal Cytoskeleton: Cytoarchitecture and Dynamics L. Nuclear Envelope Dynamics M. Nucleation Phenomena in Cell Biology N. Polymerizing Enzymes: New Frontiers in Protein Compartmentalization and Localization O. Quantitative Microscopy and Image Analysis: Measuring Cellular Organization and Dynamics
2:15 pm	Undergraduate Program
3:30 pm	Poster Competition and Reception
4:00-5:30 pm	High School Program Explore the World with a Fold-Your-Own Microscope
5:00 pm	Meet and Greet
6:00 pm	Keynote Symposium Sallie W. Chisholm, Massachusetts Institute of Technology The Honorable, Professor Jane Lubchenco, Oregon State University Posters on Display
Immediately following Keynote-10:00 pm	Opening Night Reception
8:00 pm	International Research and Training Exchange Fair

Sunday			
7:30 am	Registration Open Career Center Open		Exhibitor Tech Talk Bruker Nano Surfaces: Advances in live super-resolution imaging using the Vutara 352 microscope
8:00 am	Symposium 1 Pushing the Limits: Visualization of Hidden Biological Processes Wikipedia Edit-a-Thon	1:00 pm	Exhibitor In-Booth Presentation National Institutes of Health (NIH): National Institute of General Medical Sciences (NIGMS) and Center for Scientific Review (CSR) Film: The Biology of Skin Color
9:00 am	Delivering Science: Effective Communication Skills to Become a Successful Scientist	1:15 pm	Exhibitor In-Booth Presentation Abcam, Inc: Immunostaining: From Sample Prep through Troubleshooting and Beyond Exhibitor In-Booth Presentation Photometrics: Imaging with signal restoration super powers
9:30 am	ASCB Learning Center (Exhibit Hall) Open Table Talk Strategies for Teaching Science Writing and Literature Reading Exhibitor Tech Talk Nanolive SA: Nanolive launches the first holographic tomographic microscope in the world: the 3D Cell Explorer Lipotype GmbH: An automated shotgun lipidomics platform for high throughput, comprehensive, and quantitative analysis of lipids from biological and clinical samples Open Imaging, Inc.: Open source image acquisition with μ Manager Exhibitor Tech Talk Cell Signaling Technology: Simple assays for cellular analyses Morning Refreshment Break	1:25 pm	Microsymposium 3: Membrane Dynamics and Visualization Microsymposium 4: Cell Division and Cytokinesis
9:45 am	Symposium 2 Wisdom of Crowds: Collective Decision-Making by Cells and Organisms	1:30 pm	Meet the Editor of CBE—Life Sciences Education Table Talk Incorporating Research into Lab Courses—Reports from REIL Biology Table Talk Using Cutting-Edge Models in the Classroom Even-Numbered Poster Presentations
10:00 am	Foundational Cell Biology Workshop: Making BIG Data Accessible for Teaching and Learning	2:00 pm	Exhibitor In-Booth Presentation Nanomedical Diagnostics: AGILE Research Biosensor live demonstration with complimentary beer International Affairs Committee (IAC) Roundtable Exhibitor Tech Talk Nikon Instruments, Inc.: Illuminating biology with super-resolution microscopy Career Panel: Science Policy Exhibitor In-Booth Presentation QImaging: You can have it all: new cameras, new advanced features, new software
10:30 am	Making the Most of the Annual Meeting	2:50 pm	Microsymposium 5: Mechanics in Cellular Maintenance and Disease Microsymposium 6: Studying Organelle Function: New Trends and Technologies
10:45 am	Exhibitor Tech Talk eBioscience, an Affymetrix Business: Single-cell gene expression in context Exhibitor Tech Talk Thermo Fisher Scientific: New transfection reagents for CRISPR editing and in vivo applications	3:00 pm	Science Discussion Tables Exhibitor Tech Talk Bitplane Inc.: Cell lineage analysis – Imaris 8.2 launch at ASCB 2015 WCB Network Reception Goes International Career Panel: Consulting and Entrepreneurship HHMI Biointeractive Animations Exhibitor In-Booth Presentation 3H Biomedical AB: Characterization and large scale expansion of human satellite cells Large-Scale Data Workshop: Computational Methods for RNA Sequencing Analysis
11:00 am	Talking about Evolution with Doubters: Practical Tips Exhibitor In-Booth Presentation National Institutes of Health (NIH): National Institute of General Medical Sciences (NIGMS) and Center for Scientific Review (CSR) Science Discussion Tables E.E. Just Lecture Erich D. Jarvis	3:15 pm	Bruce Alberts Award for Excellence in Science Education Deborah Harmon Hines
12:00 pm	Odd-Numbered Poster Presentations Microsymposium 1: Cell Motility and Migration Microsymposium 2: Signaling in Health and Disease Exhibitor Tech Talk VitaCyte: Collagenase: moving from black box to transparent knowledge Exhibitor Tech Talk EMD Millipore: Cell cycle and cell death: studying the connections with simplified cytometry MD-PHD, Is it Right for Me? Table Talk Foldscopecs Afternoon Refreshment Break	4:00-6:25 pm	Multicellular Interactions, Tissues, and Development Minisymposium 1: Cell Migration in Tissues Signaling and Differentiation Minisymposium 2: Cellular Decision-Making Cell Cycle, and Cell Division Minisymposium 3: Chromosome Segregation Cell Biology of Genetic Information Minisymposium 4: Genome Organization and Stability Membrane Organization, Dynamics, Traffic, and Regulation Minisymposium 5: Mechanisms for Shaping Membranes Cytoskeleton, Motility, and Cell Mechanics Minisymposium 6: Molecular Motors and the Cytoskeleton: Measurement, Manipulation, and Mechanics Education Minisymposium: Teaching How to Teach and Learn
12:30 pm	Table Talk Lessons Learned about Starting a New Lab Table Talk National Research Mentoring Network Exhibitor In-Booth Presentation QImaging: You can have it all: new cameras, new advanced features, new software	4:15-5:15 pm	Exhibitor Tech Talk Horizon Discovery: Genome editing in human cells using CRISPR/Cas technology
1:00 pm	Startups and Scientists: Our Strengths and Weaknesses as Entrepreneurs Exhibitor Tech Talk Carl Zeiss Microscopy, LLC: Accessing the emerging imaging technologies at HHMI Janelia Research Campus Carl Zeiss Microscopy, LLC: New acquisition and detection modes with ZEISS Airyscan Carl Zeiss Microscopy, LLC: AiryScan: bringing super resolution to confocal microscopy	6:45 pm	ASCB Kaluza Prize Presentation and Keith R. Porter Lecture by Jonathan S. Weissman

MEETING AT A GLANCE

Monday			
7:30 am	Registration Open Career Center Open	1:25 pm	Membrane Organization, Dynamics, Traffic, and Regulation Microsymposium 9: Membrane Trafficking Applications of Cell Biology in the Real World Microsymposium 10: Applications of Cell Biology Learning Center in the Real World
8:00 am	Symposium 3 Embraces across the Species Barrier: Complex Cell Interactions	1:30 pm	Meet the Editor of <i>Molecular Biology of the Cell</i> Even-Numbered Poster Presentations
8:15 am	Exhibitor Tech Talk Leica Microsystems: Infinite possibilities in live cell imaging: advances in confocal and widefield imaging by Leica Microsystems Exhibitor Tech Talk TESCAN USA, INC.: Digital holographic microscopy: a revolutionary approach for visualizing cellular morphology in real time	2:00 pm	Table Talk Teaching and Research at a Small, Liberal Arts College Learning Center Exhibitor Tech Talk Cellecra Inc.: CRISPR and RNAi: gene-editing and functional genomic screening approaches Exhibitor In-Booth Presentation Qimaging: You can have it all: new cameras, new advanced features, new software Exhibitor Tech Talk EMD Millipore: Winning Westerns for cell biologists: get reliable expression data from lysates Career Panel: Science Communication
9:00 am	Green Cards for Scientific Researchers: U.S. Immigration Options	2:45 pm	Exhibitor In-Booth Presentation Abcam, Inc: Immunostaining: From sample prep through troubleshooting and beyond
9:30 am	ASCB Learning Center (Exhibit Hall) Open Morning Refreshment Break Table Talk PALM Network Exhibitor Tech Talk Bruker Nano Surfaces: Opterra II: 4D confocal imaging at the speed of life Exhibitor Tech Talk GE Healthcare: Advances in design for increased specificity and function in CRISPR/CAS9 and shRNA based gene modulation	2:50 pm	Organelles and Spatial Organization of the Cell Microsymposium 11: Nucleus Biology and Disease Learning Center Signaling and Differentiation Microsymposium 12: Signaling in Differentiation and Cancer
9:45 am	Symposium 4: Like Oil and Water: New Principles Governing Cell Organization	3:00 pm	Science Discussion Tables Career Panel: Teaching and University Administration Exhibitor Tech Talk ALVÉOLE: Multi-protein printing by light-induced molecular adsorption: application to cell biology 3iS in South Korea: Initiatives, Innovations, and Information for Bioscience Exhibitor In-Booth Presentation National Institutes of Health (NIH): National Institute of General Medical Sciences (NIGMS) and Center for Scientific Review (CSR) Exhibitor In-Booth Presentation 3H Biomedical AB: Characterization and large scale expansion of human satellite cells Exhibitor Tech Talk BioTek Instruments: Kinetic live cell imaging Large-Scale Data Workshop: Quantitative Analysis and Visualization of Signaling Networks
10:00 am	COMPASS Open Forum Simple Social Media for Scientists	3:15 pm	Education Initiative Forum Integrating Discovery-Based Research into the Undergraduate Curriculum: Report on an NAS Convocation
10:30 am	Advocacy Toolbox: The Two-Minute Speech	4:00 pm	Networking Happy Hour Kaluza Minisymposium Cell Cycle and Cell Division Minisymposium 7: Centrosomes and Spindles Membrane Organization, Dynamics, Traffic, and Regulation Minisymposium 8: Lipid Organization, Transport, Composition, and Phosphoinositides Cytoskeleton, Motility, and Cell Mechanics Minisymposium 9: Microtubule-Based Motility and Dynamics Signaling and Differentiation Minisymposium 10: New Technologies and Immuno-Signaling Cell Biology of Genetic Information Minisymposium 11: Nuclear Mechanics and Transport Organelles and Spatial Organization of the Cell Minisymposium 12: Organelle Dynamics, Structure, and Function
10:45 am	Career Discussion and Mentoring Roundtables Exhibitor Tech Talk Wiley: Open Access in publishing Exhibitor Tech Talk Etaluma, Inc.: Enabling low cost drug discovery with genetically encoded biosensors and "next generation" imaging	4:15 pm	Exhibitor Tech Talk Applied Scientific Instrumentation Inc.: Advances in dual inverted selective plane microscopy (diSPIM) and laser technology Exhibitor Tech Talk NanoSurface Biomedical, Inc.: Nano-engineering cell phenotype and function with aligned nanopatterned cell culture dishes Montana Molecular: Single fluorescent protein-based biosensors for detecting Gi, Gs, and Gq-coupled pathways of GPCR signaling VitaScientific: New tools for cell biology from VitaScientific.com
11:00 am	Answers to Questions about Peer Review Fast-Growing Cell Biology Science in China	5:30 pm	Exhibitor Tech Talk Nanolive SA: Product Launch: 3D Cell Explorer, revolutionary microscope able to image living cells instantly, in 3D and 4D
12:00 pm	Odd-Numbered Poster Presentations Cytoskeleton, Motility, and Cell Mechanics Microsymposium 7: Microtubule Dynamics: From +TIPs to Membrane Multicellular Interactions, Tissues, and Development Microsymposium 8: The Role of the Cytoskeleton in Disease and Repair Programmatic Efforts at NIH to Promote and Support the Careers of Women in Biomedical Science Exhibitor Tech Talk GE Healthcare: Live cell structured illumination imaging: a new reality Afternoon Refreshment Break	6:45 pm	Emerging Topic Symposium - Mitochondria and Cancer Cell Biology
12:15 pm	Exhibitor In-Booth Presentation Abcam, Inc: Immunostaining: From sample prep through troubleshooting and beyond		
12:30 pm	Table Talk Council on Undergraduate Research Exhibitor In Booth Presentation Nanomaterial Diagnostics: AGILE Research Biosensor live demonstration with complimentary beer		
1:00 pm	MALT Workshop Reforming Undergraduate STEM Education through Long-Term Mentorships: The ASCB Mentoring in Active Learning and Teaching (MALT) Program Exhibitor Tech Talk ACEA Biosciences: Use of real time cellular analysis and flow cytometry to characterize potential biomarkers of aggressive colorectal cancer Exhibitor Tech Talk Thermo Fisher Scientific: Engineering fluorescence for cell biology Career Options and Job Resources for Scientists Exhibitor In-Booth Presentation National Institutes of Health (NIH): National Institute of General Medical Sciences (NIGMS) and Center for Scientific Review (CSR)		
1:15 pm	Exhibitor In-Booth Presentation Photometrics: Imaging with signal restoration super powers		

ASCB Annual Meetings

2016
San Francisco
December 3–7

2017
Philadelphia
December 2–6

2018
San Diego
December 8–12

2019
Boston
November 18–20

Important Numbers

Attendee/ Membership Services
619-525-6202

ASCB Meeting Management
619-525-6200

ASCB Exhibit Management
619-525-6209

Lost & Found
619-525-6200

First Aid
619-525-6212

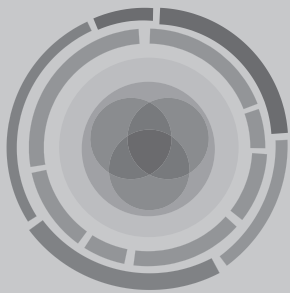
In an emergency use the nearest
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Tuesday			
7:30 am	Registration Open Career Center Open		and characterization by analytical ultra-centrifugation and dynamic light scatter
8:00 am	Symposium 5: Bending Nature to Our Purposes: Engineering of Cells and Tissues		Exhibitor Tech Talk Andor: Fast and sensitive camera technologies for microscopy
8:15 am	Exhibitor Tech Talk Sciencell Research Laboratories: Maximize your cell culture: technical tips for primary cells, pluripotent stem cells, and cell analyses		Exhibitor In-Booth Presentation National Institutes of Health (NIH): National Institute of General Medical Sciences (NIGMS) and Center for Scientific Review (CSR)
9:30 am	ASCB Learning Center (Exhibit Hall) Open Morning Refreshment Break Exhibitor Tech Talk Reveal Biosciences: Quantitative multiplexed in situ hybridization (ISH) in tissue and cell-based assays One World Lab: New technologies to assess quality and compatibility of commercial antibodies from multiple vendors EditBIOMED: What can a scientific editing service do for you?	1:25 pm	Microsymposium 15: Membrane Regulation and Signaling Microsymposium 16: Cell Biology of Genetic Information
9:45 am	Symposium 6: Going the Distance: Determining Size and Spacing of Biological Structures	1:30 pm	Table Talk Crafting a Research Statement That Is Undergraduate Research Friendly Even-Numbered Poster Presentations
10:00 am	One-Minute, All-Video Elevator Speech Contest Table Talk Transitioning to a Postdoc Position	2:00 pm	Career Panel: Industry and Sales Exhibitor Tech Talk Thermo Fisher Scientific: Automated protein detection -the future of Westerns Exhibitor Tech Talk Essential Pharmaceuticals: Variables in FBS impact cell performance, reproducibility, and relevant experimental results
10:30 am	Building a Successful Research Program with Undergraduates—A Roadmap	2:50 pm	Microsymposium 17: Spindle Assembly and Chromosome Dynamics Microsymposium 18: Cell Mechanics and Adhesion
10:45 am	Exhibitor Tech Talk Wiley: Want people to read your paper? Here's how to optimize your chances... Exhibitor Tech Talk Tecan: Rapid generation of compound serial dilutions for cell assays using an inkjet based dispensing technology Women in Cell Biology (WICB) Committee Awards Presentation and Mentoring Theater: Who Me? I'm Not Biased. Embracing Diversity to Improve Creativity Morning with the Editors: An Open Discussion with Journal Editors	3:00 pm	CellDance Videos, Elevator Speech Contest Finals, and Comic Contest Awards Exhibitor Tech Talk Essen BioScience: Novel kinetic live cell imaging assays for T cell killing of tumor cells Research in Cell Biology in France: Opportunities and Tips Career Panel: Research Development and Grant Administration Science Discussion Tables ASCB Business Meeting Exhibitor In-Booth Presentation National Institutes of Health (NIH): National Institute of General Medical Sciences (NIGMS) and Center for Scientific Review (CSR) Large-Scale Data Workshop: Image Analysis in Quantitative Microscopy Subgroup P: The Cellular and Molecular Basis of Invasive Metastatic Cancer
11:00 am	Advocacy Toolbox: How to Start and Sustain a Policy Advocacy Group LGBTQ Diversity Session Brazil: Opportunities for the Young: Fellowships, Resources, and Interactions Table Talk Bringing Research into the Undergraduate Curriculum Learning Center	3:15 pm	Education Initiative Forum Using Visual Networks to Map the Systems Thinking Literature
11:30 am	Table Talk Developing Case Studies in Cell Biology	3:30 pm	POSTER REMOVAL
12:00 pm	Exhibitor Tech Talk EMD Millipore: New advances in microfluidic control of cellular microenvironment with uninterrupted imaging allows for highly controllable, long-term, more in vivo-like cell culture studies Odd-Numbered Poster Presentations Microsymposium 13: Morphology of the Cytoskeleton Leading to Morphology in Development Microsymposium 14: Actin Cytoskeleton Dynamics Exhibitor In-Booth Presentation Abcam, Inc: Immunostaining: From sample prep through troubleshooting and beyond Afternoon Refreshment Break Exhibitor Tech Talk GE Healthcare: Quantitative Western blotting: improving your data quality and reproducibility	4:00 pm	Applications of Cell Biology in the Real World Minisymposium 13: Applications of Cell Biology 1 Cell Cycle and Cell Division Minisymposium 14: Cytokinesis Membrane Organization, Dynamics, Traffic, and Regulation Minisymposium 15: Endo-Lysosome Trafficking in Development and Disease Multicellular Interactions, Tissues, and Development Minisymposium 16: Morphogenesis Organelles and Spatial Organization of the Cell Minisymposium 17: New Technologies and Their Application to Probe the Spatial Organization of the Cell Cytoskeleton, Motility, and Cell Mechanics Minisymposium 18: Regulation and Integrated Functions of Actin Cytoskeleton
1:00 pm	Navigating the New NIH Biosketch Exhibitor Tech Talk Beckman Coulter Life Sciences: Extracellular vesicle isolation by flow cytometric sorting	6:45 pm	ASCB-Gibco Emerging Leader Prize Presentation and E.B. Wilson Medal Presentation by Elaine Fuchs

Note:
The Exhibit Hall has been renamed the **ASCB Learning Center**

Wednesday	
7:30 am	Registration Open
8:30 am	Cytoskeleton, Motility, and Cell Mechanics Minisymposium 19: A Tribute to Alan Hall: Rho GTPase Signaling Applications of Cell Biology in the Real World Minisymposium 20: Applications of Cell Biology 2 Cell Cycle and Cell Division Minisymposium 21: Cell Cycle Regulation Signaling and Differentiation Minisymposium 22: Mammalian Cell Signaling Cytoskeleton, Motility, and Cell Mechanics Minisymposium 23: Motility and Cytoskeleton of Microbes Membrane Organization, Dynamics, Traffic, and Regulation Minisymposium 24: New Insights Into Secretory Trafficking Mechanisms Organelles and Spatial Organization of the Cell Minisymposium 25: Organelle Homeostasis and Turnover Multicellular Interactions, Tissues, and Development Minisymposium 26: Tissue Biology
11:15 am	Symposium 7 Beyond the Five Senses: Detection of Magnetic and Electric Fields
12:15 pm	Meeting Ends



cell biology 2016
ascb annual meeting

**See you next
year in
San Francisco,
Dec. 3–7!**