

Schedule At-A-Glance

Saturday, December 2



Exhibitor Tech Talks and Networking Sessions will run on Sunday, Monday, and Tuesday and will be viewable in the mobile app and online itinerary planner in early October.

Click the Keynote, Symposia, Minisymposia, and Special Interest Subgroup for detailed talk information.

8:00 AM			
8:15 AM			
8:30 AM			
8:45 AM			
9:00 AM		Mentoring Keynote	
9:15 AM		8:30 am-9:30 am	
9:30 AM			
9:45 AM	Special Interest Subgroups (x7 sessions)		Transitions Academy: Senior Graduate Session
10:00 AM	9:30 am-12:00 pm		Planning Your Next Step After Graduate School
10:15 AM		Organelle Dynamics and Quality Control	Transitions Academy: Junior Faculty Session
10:30 AM	Bioelectricity in Development, Regeneration, and Cancers	Hosted by Chinese Society for Cell Biology	Establishing and Funding Your Research Agenda
10:45 AM	Biological Timing and Patterning: From Fundamental Principles to the Development of Novel Approaches	9:30 am-12:00 pm	
11:00 AM	Building the Cell		
11:15 AM	Cell Death 2.0: Novel and Diverse Killing Modalities Across Systems		
11:30 AM	Emerging Cell Biology Concepts in Neural Function and Disease		
11:45 AM	Evolutionary Cell Biology		
12:00 PM	The Midbody and Midbody Remnant: From Abscission to Signaling Organelle		
12:15 PM			
12:30 PM			ASCB MOSAIC Professional Development Session
12:45 PM			11:30 am-1:30 pm
1:00 PM	Special Interest Subgroups (x7 sessions)		
1:15 PM	1:00 pm-3:30 pm		
1:30 PM			
1:45 PM	Cells in the WILD: Environmental Influences on Cell Morphology and Behavior	MBoC Highlights: The Future of Cell Biology	
2:00 PM	Deep Learning and Artificial Intelligence in Cell Imaging	1:00 pm-3:30 pm	
2:15 PM	Energy and Metabolism in Time and Space		
2:30 PM	Feedback Loops and Spatiotemporal Patterning		
2:45 PM	Nuclear Mechanobiology		
3:00 PM	Science and Art: Bridging Two Creative Universes		
3:15 PM	Water Dynamics and Pressure Regulation in Cells and Tissues		
3:30 PM			
3:45 PM			
4:00 PM		Pre-Keynote Networking Break	
4:15 PM			
4:30 PM			
4:45 PM			
5:00 PM			
5:15 PM		Keynote:	
5:30 PM		Cell Biologists and Climate Change: What Can Cell Biologists Do to Address Climate-Scale Problems?	
5:45 PM		4:30 pm-6:00 pm	
6:00 PM			
6:15 PM			
6:30 PM			
6:45 PM		Opening Night Reception	
7:00 PM		following Keynote to 7:15 pm	
7:15 PM			

Legend
Keynote/Award Lectures
Scientific Sessions
Education/Professional Development



An ASCB | EMBO Meeting

Schedule At-A-Glance

Sunday, December 3

CELL BIO 23

December 2-6 | Boston, MA

Exhibitor Tech Talks and Networking Sessions will run on Sunday, Monday, and Tuesday and will be viewable in the mobile app and online itinerary planner in early October.

Click the Symposia, Minisymposia, and Special Interest Subgroup for detailed talk information.

8:00 AM					
8:15 AM					
8:30 AM					
8:45 AM	Symposia (x2 sessions) 8:45 am-10:15 am Communication Migration				
9:00 AM					
9:15 AM					
9:30 AM					
9:45 AM					
10:00 AM					
10:15 AM					
10:30 AM	Scientific Programming (x4 sessions) 10:30 am-12:00 pm Cell Biology Across Boundaries: ASCB-EMBO-MBSJ Joint International Workshop Hacking Human Cellular Systems at Scale - Disease Modeling & Drug Discovery New Frontiers in Host-Pathogen Interactions: From Immune Defense to Disease and Therapeutic Strategies Recent Insights into the Structure, Function, and Dynamic Properties of Cytoskeletal Intermediate Filaments				
10:45 AM					
11:00 AM					
11:15 AM					
11:30 AM					
11:45 AM					
12:00 PM					
12:15 PM	EXHIBIT HALL ACTIVITIES: 12:15 pm-3:15 pm Poster Presentations -Odd: 12:15 pm-1:45 pm -Even: 1:45 pm - 3:15 pm Roundtable Discussions 1:15 pm - 2:15 pm				
12:30 PM					
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3:30 PM	Minisymposia (x7 sessions) 3:30 pm-5:00 pm				
3:45 PM					
4:00 PM					
4:15 PM					
4:30 PM					
4:45 PM					
5:00 PM					
5:15 PM	Minisymposia (x7 sessions) 5:20 pm-6:50 pm				
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6:15 PM					
6:30 PM					
6:45 PM					
7:00 PM					
7:15 PM					

Legend	
	Keynote/Award Lectures
	Scientific Sessions
	Education/Professional Development

COMPASS Open Forum: Mental Health IS Health
8:45 am-10:15 am

Exploring the Anatomy of an LSE Biology Education Research Article - Informal Journal Club
8:45 am-10:15 am

EMBO Lab Leadership
8:45 am-10:15 am

EMBO Gold Medal Lecture
10:30 am-11:15 am

Scholarship of Diversity Keynote
10:30 am-11:30 am

Well-being Series
10:30 am-11:30 am

Training & Educational Resources available through International Biolmaging Collaborations
Hosted by BINA
12:15 pm-1:45 pm

Foundations of Cell Biology Workshop: Use and Misuse of AI in Cell Biology Education
12:15 pm-2:15 pm

Careers in Life Sciences Consulting and Venture Capital
12:15 pm-1:15 pm

LGBTQ+ Ben Barres Diversity Session
2:00 pm-3:15 pm

4DCP Symposium: Unraveling Multicellular Life: Exploring How Cells Cooperate to Form Tissues, Organs, and Organisms
Hosted by Janelia
3:30 pm-5:30 pm

Transitions Academy Undergraduate Session: Getting into Graduate School: the Dos, the Don'ts, and the What Ifs
3:30 pm-5:00 pm

Transitions Academy Postdoc Session: The Road to Independence Within and Beyond Academia
3:30 pm-5:00 pm

Schedule At-A-Glance

Monday, December 4



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8:00 AM						
8:15 AM						
8:30 AM						
8:45 AM	Symposia (x2 sessions) 8:45 am-10:15 am					
9:00 AM						
9:15 AM						
9:30 AM						
9:45 AM						
10:00 AM	Networks Time		Porter Lecture 9:30 am-10:15 am		The Unspoken “Rules of the Game”: Deciphering the Hidden Curriculum for PhD students, Postdocs, and Faculty 8:45 am-10:15 am	Careers in Biotechnology: Translating Your Research into Products & Applications 9:00 am-10:15 am
10:15 AM						
10:30 AM	Scientific Programming (x4 sessions) 10:30 am-12:00 pm Beyond the Surface: Unraveling the Critical Role of Basement Membrane Specialization in Health and Disease Bridging the Gap From Basic to Translational in Neurodegeneration Research Hacking Human Cellular Systems at Scale - Organogenesis & Cell Therapies The Mechanoinmunology of Movement and Manipulation	Bruce Alberts Award Lecture 10:30 am-11:15 am				
10:45 AM						
11:00 AM			EMBO Lab Leadership 10:30 am-12:00 pm	Well-being Series 10:30 am-11:30 am	Transitions Academy Graduate Session: Getting a Head Start on Navigating the PhD Graduate School Experience 10:30 am-12:00 pm	Advocacy Toolbox: The Why, Where, and When of Science Advocacy 10:30 am-12:00 pm
11:15 AM						
11:30 AM						
11:45 AM						
12:00 PM						
12:15 PM	EXHIBIT HALL ACTIVITIES: 12:15 pm-3:15 pm Poster Presentations -Odd: 12:15 pm-1:45 pm -Even: 1:45 pm - 3:15 pm Roundtable Discussions 1:15 pm - 2:15 pm		How to Build a Supportive & Successful Lab as a New PI 12:15 pm-1:15 pm		Implementing New DEIA Policies and Programs at Your Institution 12:15 pm-1:15 pm	
12:30 PM						
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1:30 PM						
1:45 PM						
2:00 PM						
2:15 PM						
2:30 PM						
2:45 PM						
3:00 PM			Project Management Strategies to Improve your Science 2:15 pm-3:15 pm		LGBTQ+ Ally Session 2:15 pm-3:15 pm	
3:15 PM						
3:30 PM	Special Interest Subgroups (x7 sessions) 3:30 pm-6:00 pm #Meiosis4Eva: Frontiers in Meiosis and Germ Cell Biology Biological Size Control and Scaling Building Tissues Across Scales: From Micro to Macro Cellular and Molecular Mechanisms of Transformation, Dormancy, and Drug Resistance in Cancer Cryo-EM and Cryo-ET in the Discovery of Cellular Mechanisms Lipids in Organelle Form, Function, and Communication Subcellular Localization of RNA and Translation					
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Legend

	Keynote/Award Lectures
	Scientific Sessions
	Education/Professional Development

Schedule At-A-Glance

Tuesday, December 5



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8:00 AM							
8:15 AM							
8:30 AM							
8:45 AM	Symposia (x2 sessions) 8:45 am-10:15 am Excitability Rejuvenation and Regeneration					PAIR-UP Scientific Session 8:45 am-10:15 am	Trust in the Age of Generative AI 8:45 am-10:15 am
9:00 AM							
9:15 AM							
9:30 AM							
9:45 AM							
10:00 AM					E. B. Wilson Award Lecture 9:30 am-10:15 am		
10:15 AM							
10:30 AM	Scientific Programming (x3 sessions) 10:30 am-12:00 pm Bioengineering 3D Human in Vitro Tissue Models for Therapeutic Discovery Cell Biology of Neurodegeneration and Aging Liquid Condensates in Neurons and Glia	WICB Awards and Mentoring Theater 10:30 am-11:15 am	Supporting Scientists: Careers in Science Administration 10:30 am-11:30 am	Advocacy Toolbox: The Two Minute Speech – the How of Science Advocacy 10:30 am-12:00 pm	EMBO Lab Leadership 10:30 am-12:00 pm	Well-being Series 10:30 am-11:30 am	
10:45 AM							
11:00 AM							
11:15 AM							
11:30 AM							
11:45 AM							
12:00 PM					Elevator Speech Contest: Show Off Your Two-Minute Speech 12:00 pm-1:30 pm	Negotiation Skills: Salaries, Benefits, and the "Two-Body Problem" 12:15 pm-1:15 pm	
12:15 PM	EXHIBIT HALL ACTIVITIES: 12:15 pm-3:15 pm Poster Presentations -Odd: 12:15 pm-1:45 pm -Even: 1:45 pm - 3:15 pm Roundtable Discussions 1:15 pm - 2:15 pm						
12:30 PM							
12:45 PM							
1:00 PM							
1:15 PM							
1:30 PM					Basic Research Careers Outside of Academia 2:15 pm-3:15 pm	Improving Mentoring through Better Communication 2:15 pm-3:15 pm	
1:45 PM							
2:00 PM							
2:15 PM							
2:30 PM							
2:45 PM					Thinking Outside the PI Box: Research Careers for Staff Scientists and Core Facilities 3:30 pm-4:30 pm		
3:00 PM	Minisymposia (x7 sessions) 3:30 pm-5:00 pm						
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5:15 PM	Minisymposia (x7 sessions) 5:20 pm-6:50 pm						
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Legend	
	Keynote/Award Lectures
	Scientific Sessions
	Education/Professional Development





An ASCB | EMBO Meeting

CELL BIO23

December 2-6 | Boston, MA

Schedule At-A-Glance

Wednesday, December 6

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8:00 AM	
8:15 AM	
8:30 AM	Special Interest Subgroups (x7 sessions) 8:30 am-11:00 am Invention of New Cell Types and Multicellular Assemblies Beyond Pretty Pictures: Quantitative Methods for Learning Cell Biology from Microscopy Datasets Biophysical Modeling of the Cell Chromatin Dynamics in DNA Damage, Repair, and Chromosome Segregation Cytoskeleton Dynamics in the Nervous System: From Molecular Mechanisms to Therapeutic Interventions Physical Biology of the Cytoplasm The Assemblies in and of Membranes: From Superresolution Imaging to Immunoengineering Design, Build, Test, Learn: Understanding the Cell Biology of Synthetic Tools and Using Those Tools to Understand Cell Biology
8:45 AM	
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10:45 AM	
11:00 AM	
11:15 AM	Closing Symposium 11:15 am-12:15 pm Perception and Sensation
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Legend

Keynote/Award Lectures

Scientific Sessions

Education/Professional Development