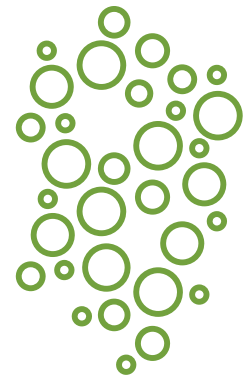


EXPLORING FRONTIERS



Nature's Blueprint: *How do physics and genetics lead to living creatures' growth and form?*

Thursday, May 2, 2019	
8:30-9:00am	Breakfast - Allen Institute Atrium
9:00-9:10am	Kathy Richmond, The Paul G. Allen Frontiers Group and Michael Levin, Allen Discovery Center at Tufts University <i>Welcome and Opening Remarks</i>
9:10-9:50am	Arthur Lander, University of California, Irvine <i>Control Strategies in Morphogenesis</i>
9:50-10:30am	Dagmar Iber, ETH Zurich <i>From Networks to Function – Computational Models of Organogenesis</i>
10:30-10:50am	Break
10:50-11:30am	Elliot Meyerowitz, California Institute of Technology <i>Mechanical Signaling and Response in Plant Morphogenesis</i>
11:30am-12:10pm	Jennifer Zallen, Sloan Kettering Institute <i>Signals, Forces, and Cells: Decoding Tissue Morphogenesis</i>
12:10-1:30pm	Lunch - Atrium
1:30-2:10pm	Michael Levin, Allen Discovery Center at Tufts University <i>Endogenous Bioelectric Networks and the Control of Growth, Form, and Function</i>
2:10-2:50pm	Will Ratcliff, Georgia Institute of Technology <i>The Biophysics of Nascent Multicellularity: How Structural Constraints Provide Evolutionary Opportunity</i>
2:50-3:10pm	Break
3:10-3:50pm	James Briscoe, The Francis Crick Institute <i>Building the Spinal Cord</i>
3:50-4:30pm	Wallace Marshall, University of California, San Francisco <i>Pattern Formation and Regeneration in a Single Cell</i>
4:30-4:40pm	Kathy Richmond, The Paul G. Allen Frontiers Group and Michael Levin, Allen Discovery Center at Tufts University <i>Closing Remarks</i>

EXPLORING FRONTIERS



Nature's Blueprint: *How do physics and genetics lead to living creatures' growth and form?*

Friday, May 3, 2019	
8:30-9:00am	Breakfast - Allen Institute Atrium
9:00-9:05am	Kathy Richmond, The Paul G. Allen Frontiers Group and Michael Levin, Allen Discovery Center at Tufts University <i>Welcome and Opening Remarks</i>
9:05-9:45am	Veronica Grieneisen, John Innes Centre <i>Talk title coming soon</i>
9:45-10:25am	Wendell Lim, University of California, San Francisco <i>Programming the Formation of Synthetic Tissues</i>
10:25-10:45am	Break
10:45-11:25am	Arthur Prindle, Northwestern University <i>Emergent Metabolic Dynamics in Microbial Communities</i>
11:25am-12:05pm	Jessica Whited, Harvard University <i>Themes Underlying Pattern Formation in Regeneration Using Amphibian Limb</i>
12:05-12:20pm	Kathy Richmond, The Paul G. Allen Frontiers Group and Michael Levin, Allen Discovery Center at Tufts University <i>Closing Remarks</i>

ABOUT THE PAUL G. ALLEN FRONTIERS GROUP

The Paul G. Allen Frontiers Group takes our Founder's enduring quest to understand the mysteries of bioscience to a global scale—beyond the science happening within the labs of the Allen Institute—by directing funding to researchers conducting cutting-edge science around the world. Our team is in continuous dialogue with scientists and visionaries in all areas of bioscience, constantly seeking the novel ideas and emerging fields where an early investment could have the power to make a difference for humankind.