



NSF BII for Mechanisms of Cellular Evolution's 2024 Symposium

The Third Annual Symposium on Mechanisms of Cellular Evolution, sponsored by the National Science Foundation BII Program, will again be held at Arizona State University. This year's topics focus on the *Evolution of Complex Cellular Features, including the cytoskeleton, swimming flagella, and biology's energy generator: ATP synthase*. The symposium aims to bring together leading researchers and experts from diverse fields to discuss current advances and future directions in evolutionary cell biology, and to provide opportunities for interdisciplinary discussions, knowledge sharing, and collaboration.

Keynote Lecture

Extreme Cell Biology

Wallace Marshall, PhD (University of California, San Francisco)

Speakers

Betul Kacar, PhD (University of Wisconsin-Madison)

Earliest life: Making macroevolutionary deep time available for cell biology

Loren Williams, PhD (Georgia Institute of Technology)

The Significance and Origins of the Translation System

Mónica Bettencourt Dias, PhD (Instituto Gulbenkian Ciência)

Centrosomes and Cilia in Development, Disease and Evolution

Rui Zhang, PhD (Washington University in St. Louis)

Cracking the 9+2 Architecture of Motile Cilia

Thomas Kjørboe, PhD (Technical University of Denmark)

Functional diversity of the flagella of free-living protists

Wallace Marshall, PhD (University of California, San Francisco)

How Stentor rebuilds its membranellar band

Werner Kühlbrandt, PhD (Max-Planck-Institute of Biophysics)

High-resolution cryoEM reveals water wires in the rotor stator assembly of mitochondrial ATP synthase

Abstracts

We are soliciting for abstracts for both poster presentations and selected short-talks. The deadline for submission of these is **September 1, 2024 @11:59pm Arizona time**. Selected speakers will be informed no later than **October 1, 2024**.

Event Dates

Wednesday, Nov. 6 – Saturday, Nov. 9, 2024

Location

Biodesign Bldg B
Arizona State University
Tempe Campus

727 E Tyler Street
Tempe, AZ 85281

Key Deadlines

June 10, 2024

Event Registration **OPEN**

Call for abstract submissions **OPEN**

September 1, 2024

Call for abstract submissions **CLOSES**

October 15, 2024

Registration **CLOSES**

For more information

Please contact the Program Manager, Victor Chai, at victor.chai@asu.edu

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Arizona State University