

Workshop

Mechanometabolism Unleashed: The Interface of Cell Mechanics and Metabolism



Funded places for early-career researchers

The Workshop is an opportunity to foster cross-disciplinary dialogue and innovation, aiming to advance understanding and research at the crossroad of mechanobiology, metabolism and immunoresponses.

We anticipate that the Workshop will address key questions in this emerging field, including:

- Understanding the molecular mechanisms and signaling pathways that integrate mechanics and metabolism at the organelle level.
- Examining how changes in organelle mechanics and metabolism affect cellular health, tissue

function, and the development of various diseases, including metabolic disorders, cancer, and neurodegeneration.

- Exploring the integration of junctional mechanics and metabolism during tissue development and homeostasis, including identifying key regulatory elements.
- Investigating the role of mechano-metabolism in epigenetic remodeling observed in response to mechanical stress, and how mechanical stress impacts genome organisation, such as changes in CTCF occupancy during cell stretching.

Organisers

Marco Foiani
Ana-Maria Lennon-Duménil
Victoria Sanz-Moreno
Giorgio Scita

Speakers

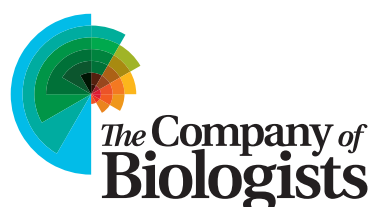
Samuel Bakhoun
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Jean-Léon Maître
Matthieu Piel
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Joaquim Roca
Verena Ruprecht
Ralph Sinkus
Stephen Tait
Sara Wickström

Secure your place* alongside leading experts and other early-career researchers from a diverse range of scientific backgrounds.

Deadline: 13 December 2024



To find out more or apply online visit workshops.biologists.com
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*Terms and conditions apply