

Workshop

From Physics to Function



9 – 12 October 2022
Buxted Park
East Sussex
UK



Funded places for early-career researchers

The main goal of this Workshop is to foster integration between physics and biology across scales, approaches, and participant backgrounds. The workshop will entail “biology-physics duets” – talks given jointly by two currently collaborating speakers, with a different backgrounds. These will be accompanied by “solo” talks and relevant round table discussions on how physics and biology can be better integrated.

Topics for discussion include:

- Mechanotransduction from cell adhesions to the nucleus
- Cytoskeleton mechanics and migration
- Modelling of biological processes across scales
- Top-down versus bottom-up approaches to living systems
- How to promote cross-disciplinary research on biologically relevant questions

The Workshop will provide a highly interactive forum, where researchers are invited to present their most recent unpublished work.

Organisers

Johanna Ivaska
Xavier Trepât

Speakers

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|-------------------------|--------------------|----------------------|
| • Guillaume Charras | • Martin Humphries | • Beth Pruitt |
| • Ovijit Chaudhuri | • Prisca Liberali | • Andela Saric |
| • Alexander Dunn | • Lisa Manning | • Virgile Viasnoff |
| • Margaret Gardel | • David Odde | • Danijela Vignjevic |
| • Edouard Hannezo | • Ewa Paluch | • Sara Wickström |
| • Sally Horne-Badovinac | • Matthieu Piel | • Alpha Yap |

Secure your place alongside leading experts and other early-career researchers. Applicants from diverse scientific backgrounds are encouraged.

Deadline: 8 April 2022

To find out more or apply online visit workshops.biologists.com

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