

# Workshop

## Integrating Multi-Modal, Multi-Scale Models of Cardiovascular Disease Mechanisms

8 – 11 November 2026  
Buxted Park,  
East Sussex, UK



### Funded places for early-career researchers

The Workshop will bring together interdisciplinary researchers spanning *in vitro* and *in vivo* cardiovascular disease models to patient level clinical data. It aims to foster dialogue on the strengths of different scales and types of experimental data and discuss a roadmap for how complementary, multi-modal data types and models can be integrated *in silico* to produce integrative knowledge greater than could be discovered from one data stream or model alone.

A key feature of this workshop is that we have invited bioengineers, biologists, and clinicians to stimulate cross-model conversations and further the utility of non-animal models in disease mechanism research.

Each session will span *in vitro* and *in vivo* research to anchor dialogue on the challenges and opportunities for integrating multi-scale, multi-modal data from different models and systems.

We will have sessions dedicated to methodologies and applications for:

- Unravelling phenotypes and mechanisms of disease at the cellular level
- Multi-scale mechanobiology of cardiac physiology and pathology
- Sex differences in cardiac disease
- Mapping genotypes to phenotypes

### Organisers

Jennifer Davis  
Christine Mummery  
Beth Pruitt

### Speakers

Milena Bellin  
Claudia Crocini  
Sharlene Day  
Timothy Downing  
Thomas Eschenhagen  
Leslie Leinwand

Joost Lumens  
Steven Niederer  
Brenda Ogle  
Michael Regnier  
Eva van Rooij  
Sanjay Sinha

Yuji Shiba  
Jil Tardiff  
Sarah Teichmann  
Jolanda van der Velden  
Viola Vogel

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

**Deadline: 8 May 2026**

To find out more or apply online visit [workshops.biologists.com](http://workshops.biologists.com)

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