



Cargèse International School 2020

MICROPHYSIOLOGICAL SYSTEMS

From organoids to organs-on-chip

April 27 - May 01, 2020

Web site

**Morgan
DELARUE**

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The use of micro-physiological systems have led both to fundamental insights into the mechanisms of organogenesis, and is opening the door to numerous clinical applications. As research advances, our mechanistic understanding on the role of the microenvironment will require cooperation between an expanding number of fields of science.

The aim of this conference is to gather together researchers coming from the many fields that define the new paradigm of micro-physiological systems, from theorists to experimentalists all the way to bioengineers, clinicians and researchers from pharmaceutical companies.

Main topics will include

- Meso and micro fire meteorology
- Experiments design for model evaluation
- Fire induced atmospheric chemistry
- Data driving fire simulation (soil,)
- Fire-atmosphere coupling
- Wildfire model evaluation
- Wild-fire risk estimation and economical quantificatio

Eminent scientists in the field will animate the workshop. These include:

Nancy Allbritton (Univ of Washington, Seattle, USA), Ana Sofia Carvalho (Inst of Bioethics, Porto, PT), Chris Chen (Boston Univ, Boston, USA), Miki Ebisuya (EMBL, Barcelona, ES), Emmanuel Farge (Inst Curie, Paris, FR), Nikolaj Gadegaard (Univ of Glasgow, Glasgow, UK), Edouard Hannezo (IST, Vienna, AU), Pierre-François Lenne (IBDM, Marseille, FR), Prisca Liberalli (FMI, Basel, CH), Matthias Lutolf (EPFL, Lausanne, CH), Scott Magness Univ of North Carolina at Chapel Hill, USA), Torsten Mayr (Graz Univ ot Technology, AU), Núria Montserrat (IBEC, Barcelona, ES) Christine Mummery (Leiden Univ Medical Center, NL), Francesco Pampaloni (Goethe Univ of Frankfurt, DE) Jean-François Rupprecht (CPT, Marseille, FR), Guillaume Salbreux (Francis Crick Inst, London, UK) Xavier Trepas (IBEC, Barcelona, ES), Valerie Weaver (UCSF, San Francisco, USA), Claire Wilhelm (University Paris-Diderot, Paris, FR)

Organizer Committee

Morgan Delarue, Stéphanie Descroix, Edouard Hannezo, Laurent Malaquin, Danijela Matic Vignjevic

Application and registration

<https://microphysio20.sciencesconf.org/>
Deadline Application : 2020, February 16
Registration Fees : 600€

