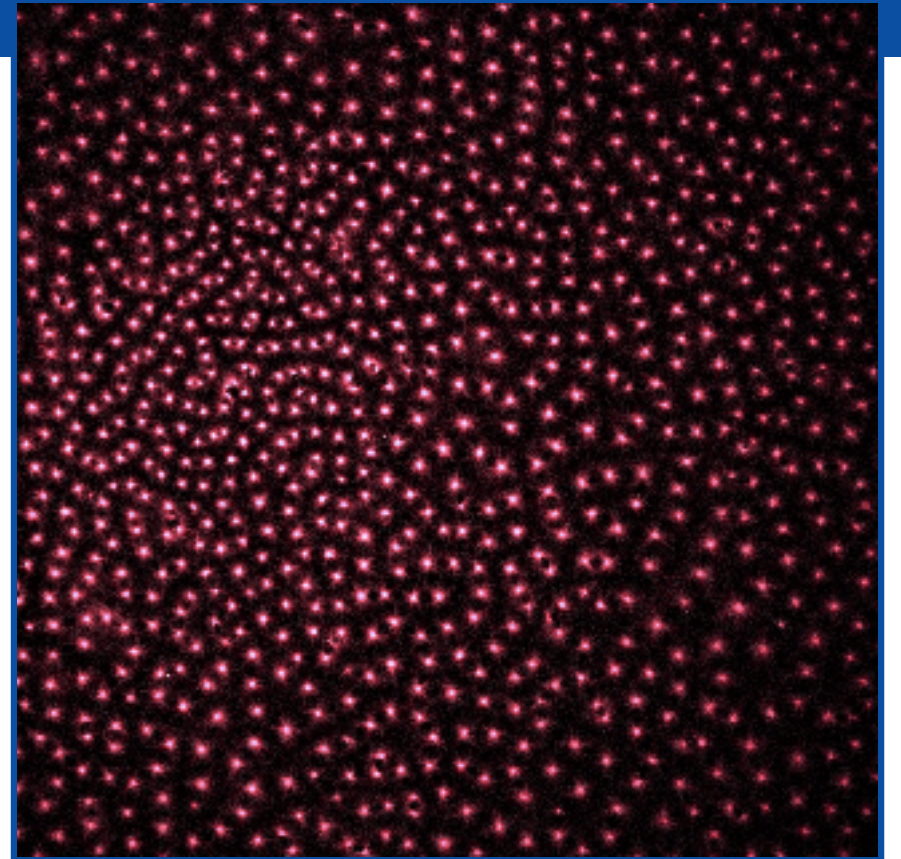




Interdisciplinary challenges in non-equilibrium physics

International Workshop 22 - 26 April 2024

Interdisciplinary challenges in non-equilibrium physics: from soft to active and biological matter (intcha24) is a workshop aiming to bridge the gap between out-of-equilibrium physics and traditional soft matter, between theory and experiments, between simplified models and the intricacies of biology. Aimed at early-career researchers in particular, it will bring together novel ideas and diverse expertise to address complex physical and biological systems in an interdisciplinary manner. Together with talks, a poster session will favor discussion, while a Q&A session will also address field-related issues beyond science.



Topics

- Gels and polymers
- Collective phenomena/field theories
- Stochastic thermodynamics
- Cells and tissues
- Micro/NanoFluidics
- Beyond collective phenomena
- Living polymers
- Information in biology
- Functionalized colloids
- Topological active matter
- Microorganisms

Invited speakers

Daniel Amor (FR)
 Ricard Alert (DE)
 Aleksandra Ardaseva (DK)
 Nicolas Bain (FR)
 Eva Bertolin (NL)
 Sumitabha Brahmachari (US)
 Javier Diaz (ES)
 Marco Di Stefano (FR)
 Gianmaria Falasco (IT)
 Federica Ferretti (US)
 Giulia Garcia Lorenzana (FR)
 Isabella Graf (US)
 Sophie Herrmann (DE)
 Asja Jelic (IT)
 Yann-Edwin Keta (NL)
 Stefania Ketzetzi (CH)
 Lara Koehler (DE)
 Mirna Kramar (FR)
 Dario Lucente (IT)
 Pepjin Moerman (NL)
 Guiseppe Negro (IT)
 Loreto Oyarte (NL)
 Nicola Pellicciotta (IT)
 Aurore Picot (FR)
 Guillermina Ramirez-San-Juan (CH)

Clare Rees-Zimmerman (UK)
 Michael Riedl (DE)
 Paul Robin (AT)
 Sophie Roman (FR)
 Lorenzo Rovigatti (IT)
 Eleonora Secchi (CH)
 Michael Te Vrugt (DE)
 Valeria Venturini (ES)

Scientific coordinators

Xiaowen Chen (FR)
 Melissa Rinaldin (DE)
 Alfredo Sciortino (FR)

Scientific committee

Lorenzo Caprini (DE)
 Pasquale Digregorio (ES)
 Giada Forte (UK)
 Emmanuel Joseph (FR)
 Sophie Marbach (FR)
 Alfonso Perez Escudero (FR)

Organisation

Christina Kuß
 MPIPKS Dresden

Applications received before 15 February 2024 are considered preferentially.

Applications are welcome and should be made by using the application form on the event's web page. The number of attendees is limited. The registration fee for the international workshop is 200 Euro and should be paid by all participants. Costs for accommodation and meals will be covered by the Max Planck Institute.

For further information please contact:

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