

Bad Honnef Physics School

Supported by the Wilhelm and Else Heraeus-Foundation

Self-assembly in soft matter and biosystems

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Biological systems have an amazing capacity to form spatiotemporal patterns and structures by self-assembly. Prominent examples are the assembly of the cytoskeleton and virus capsids.

Inspired by nature, soft matter physics has also started to use self-assembly to build new and superior materials.

Polymers, colloids and membranes have been functionalized to form supramolecular structures of all sorts. In this school, we will bring together leading scientists both from experiment and theory to introduce a broad audience to this interdisciplinary field.

Speakers:

Laurent Blanchoin (Grenoble)
Martien Cohen-Stuart (Wageningen)
Andreas Fery (Bayreuth)
Gerhard Findenegg (Berlin)
Gerhard Gompfer (Jülich)
Michael Hagan (Boston)
Sarah Köster (Göttingen)
Jörg Lahann (KIT and Michigan)
Ludwik Leibler (ESPCI Paris)
Tim Liedl (Munich)
Christos Likos (Vienna)

Ard Louis (Oxford)
Laura Na Liu (Stuttgart & Heidelberg)
Vinothan Manoharan (Harvard)
Helmuth Möhwald (Potsdam)
Julian Oberdisse (Montpellier)
Sebastian Seiffert (FU Berlin)
Joachim Spatz (Stuttgart & Heidelberg)
Orlin Velev (North Carolina)
Tanja Weil (Ulm)
Mitch Winnik (Toronto)

Fees:

Covering full board and lodging at the Physikzentrum Bad Honnef
200 € (for DPG members 100 €).



Physikzentrum Bad Honnef

Application & more information:

www.pbh.de

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