

CONFERENCE

**Conference Challenges in Multiphase Flows, Monash University
Prato Center, Prato (Tuscany), Italy, 9-12 December 2019**

Topics: Computer simulation methods for multiphase flows and their theoretical foundation. Strengths and weaknesses, plus applications.

Organisers: B. Duenweg, R. Prakash Jagadeeshan, I. Pagonabarraga

Deadline: 22 September 2019

Website: <http://users.monash.edu.au/~rprakash/cecam2019/home.html>

From : Burkhard Duenweg <duenweg@mpip-mainz.mpg.de>

POST-DOC POSITIONS

**Post-doc position (2 years) in computational biophysics in Prof.
Piazza's group, CNRS Center for molecular biophysics, Orléans, France.**

The less than two years from Ph.D. and enthusiastic physicist with a strong background in statistical and computational physics will be working in collaboration with experimental biophysicists and immunologists in Marseille on an INSERM-funded project for cancer immunotherapy. The Orléans node is charged notably with the design of coarse-grained models to simulate with LAMMPS the binding kinetics at the interface between two cell membranes within the immune synapse to pinpoint the dynamical and structural determinants of cooperativity (avidity) afforded by the flexible, multi-domain architectures of the novel molecules. <http://dirac.cnrs-orleans.fr/~piazza/PB/>
http://dirac.cnrs-orleans.fr/~piazza/PB/files/Postdoc_ComPhysAb.pdf
Interested candidates are encouraged to send CV, motivation letter and names of 2 referees

From: Francesco Piazza <francesco.piazza@cnrs-orleans.fr>

**Postdoctoral position (1-2 years) at Sorbonne Université,
Institut des NanoSciences de Paris (INSP), France**

The candidate will investigate the morphological instability at work on a strained epitaxial film. She/He will compute analytically elastic interactions in a film on a patterned substrate and perform the linear and possibly non-linear evolution of the instability. Comparison with dedicated experiments will be done with a collaborating group. For more details, contact

From: Jean-Noël Aqua <aqua@insp.jussieu.fr>

Postdoc positions Biological Physics, Columbia Univ, New York City

2 postdoctoral positions are available in the O'Shaughnessy group at Columbia University for theoretical research in quantitative biology. The broad areas are: (i) Neurotransmission, exocytosis, membrane biophysics and (ii) Cell division, actomyosin contractility, mechanobiology.

For further information see <https://oshaughnessy.research.columbia.edu/>

From: Ben O'Shaughnessy <bo8@columbia.edu>

MISCELLANEOUS

IES Cargese (Corsica, France) has two slots available in October 2019

Because of last minute withdrawals, the Institut d'Études Scientifiques in Cargèse (Corsica, France) has two available slots to organize scientific workshops/meetings from 21 to 25 October 2019 and from 7 to 12 October for a maximum 50 persons group. Anyone interested can contact the IES: <https://iesc.universita.corsica/?lang=fr/>

From: Dominique DONZELLA <donzella_d@univ-corse.fr>
