

INSTITUT D'ETUDES SCIENTIFIQUES DE CARGESE

Cargèse International School 2012

From Nonlinear Physics to Biology and Medicine July 9-21, 2012

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This interdisciplinary School is focused on the investigation of the biophysical and biomechanical processes in living matter with a special attention to medical problems. The School is addressed to PhD and post-doctoral students, as well as young independent researchers, belonging to different scientific communities (e.g. physics, applied mathematics, biology, mechanics). Its aim is to favor cross-fertilization in the study of frontier problems concerning biological systems.



Main topics will include

- Morphogenesis
- Biorheology
- Cancer modeling
- Biofilms,
- Biomaterials
- Cellular modeling
- Mechanobiology
- Pattern formation

Eminent scientists in the field will animate the school.

These include:

D. Ambrosi, V. Cristini, A. De Simone, S. Gabriele, O. Jensen, F. Jülicher, E. Kuhl, M. Labouesse, C. La Porta, V. Lorman, A. Pumir, P. Silberzan, A. Stroock, C. Verdier, J. Xavier, S. Zapperi,

PhD students and postdoctoral researchers are encouraged to participate. The school will last 10 days and will be organized in half day plenary sessions. Poster sessions and short communications will provide the opportunity to all participants to present and discuss their work to specialists in the field. Free time will allow free exchanges and discussions including leisure activities.

Organization Committee

Martine Ben Amar, ENS Paris
Pascale Ciarletta, UPMC Paris
Martin M. Müller, UL Metz
Luigi Preziosi, Politecnico Torino

Application and registration

<http://www.geomnat.com/Cargese12/index.php>
<http://www.iesc.univ-corse.fr>

Registration fees: 650 euros for graduate students, 850 euros for others.

Deadline for applications to mid-April

