



ADVANCED SCHOOL ON LIVING MECHANICS: CELLS, TISSUES AND ORGANISMS

Actin in Drosophila embryonic musculature, Maithreyi Narasimha

28th Oct to 8th Nov
NCBS-TIFR, Bangalore

SPEAKERS (confirmed as of 10th June 2010):

Mohan Balasubramanian (TLL Singapore)
Patricia Bassereau (Curie Institute Paris, France)
Alexander Bershadsky (Weizmann Israel /NUS Singapore)
Emmanuel Farge (Curie Institute Paris, France)
Daniel Fletcher (UC Berkeley, USA)
Jeffrey Fredberg (Harvard, USA)
Jay Groves (UC Berkeley, USA)
Joe Howard (Dresden, Germany)
Michael Kozlov (Tel Aviv, Israel)
Thomas Lecuit (Marseille, France)
L.Mahadevan (Harvard, USA)
Paul Matsudaira (NUS Singapore)
Satyajit Mayor (NCBS Bangalore, India)
Maithreyi Narasimha (TIFR Mumbai, India)
Pramod Pullarkat (RRI, Bangalore India)
Sriram Ramaswamy (IISc, Bangalore India)
Madan Rao (NCBS, RRI, Bangalore, India)
Martin Schwartz (Virginia USA)
Michael Sheetz (NUS Singapore/ Columbia New York)
GV Shivashankar (NCBS Bangalore India/ NUS Singapore)
Assaf Zemel (Tel Aviv, Israel)

ORGANISERS

Alexander Bershadsky (Weizmann Israel/ NUS, Singapore)
Maithreyi Narasimha (TIFR Mumbai, India)
Sriram Ramaswamy (IISc Bangalore, India)
Madan Rao (NCBS-TIFR and RRI, Bangalore India)
GV Shivashankar (NCBS Bangalore India/ NUS Singapore)

Mechanical signalling has emerged as an important regulator of cell biology and physiology. Forces, flows and fluctuations can have remarkable influences on the properties of molecules, cells, tissues and organs. How living systems generate, sense and transduce mechanical stimuli, and what consequences these have for development and disease, are intrinsically interdisciplinary questions that have captured the interest and imagination not only of biologists but of engineers, mathematicians and physicists.

The school will bring together leading researchers engaged in understanding the active mechanical principles regulating an amazing diversity of biological systems over a variety of length scales using experimental and theoretical interdisciplinary approaches and combine pedagogy and research. It is aimed at advanced graduate students, postdocs and faculty from India and abroad interested in being trained and informed about recent advances in this young and rapidly growing area at the interface of biology and the physical sciences and engineering.

APPLICATION PROCEDURE

Go to <http://www.icts.res.in/program/LivMech2010> for application details. **Application deadline:** 1st August 2010

