

The Institute of Mathematical Sciences Chennai, India



Workshop on

Flags, Landscapes, Signaling

From gene regulatory dynamics to tissue patterning & morphogenesis

May 6 - 17, 2024

The workshop aims at integrating the principal classes of pattern formation paradigms that have been proposed to explain biological development, e.g., using morphogen gradients to provide cells with positional information or local signaling between cells resulting in lateral inhibition or activation, and how these processes interact with the dynamics of genetic regulatory network within each cell that shape the landscapes governing the developmental trajectory.

The conclave - involving experts in different domains - will be an invaluable exposure for participants to the quest for understanding how form and organization arises during development, its breakdown leading to pathological outcomes such as in cancer, and how these mechanisms may change over the course of evolution.

For details see workshop webpage at
<https://tinyurl.com/5h77s9dx>

For queries, email csds.imsc@gmail.com

Venue

Ramanujan Auditorium
The Institute of Mathematical Sciences (IMSc)
CIT Campus, Taramani, Chennai 600113, India

Image credit: Jia Le Lim/EMBL, Tobias Hub/University of Heidelberg

Speakers include

- ❖ Ramray Bhat (IISc)
- ❖ Biplab Bose (IIT Guwahati)
- ❖ Mohit Kumar Jolly (IISc)
- ❖ Sreelaja Nair (IIT Bombay)
- ❖ Amitabha Nandi (IIT Bombay)
- ❖ Vidyanand Nanjundiah (CHG)
- ❖ Maithreyi Narasimha (TIFR)
- ❖ Archishman Raju (NCBS)
- ❖ Richa Rikhy (IISER Pune)
- ❖ Areejit Samal (IMSc)
- ❖ L S Shashidhara (NCBS)
- ❖ Somdatta Sinha (IISER Mohali)
- ❖ Marcin Zagorski (Jagiellonian Univ)

Participation

Limited seats available. Please apply via
<https://tinyurl.com/25dzkmd5>

Organizers

Shakti N Menon
Mithun K Mitra
Fernando Casares
Sitabhra Sinha

