



विज्ञान एवं प्रौद्योगिकी विभाग
DEPARTMENT OF
SCIENCE & TECHNOLOGY



école
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**MINISTÈRE
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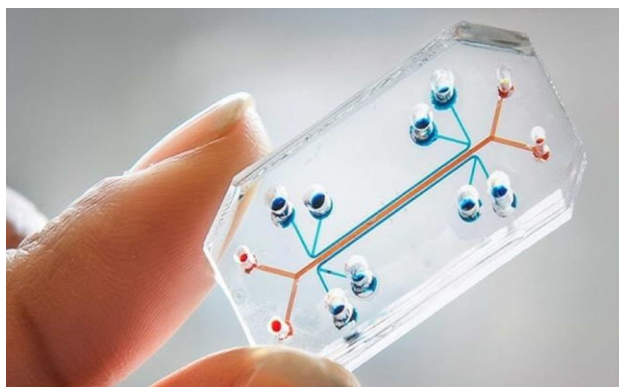
Indo-French Seminar
On

“Mechanobiology of circulating tumor cells and microfluidics: A new frontier for cancer research”

École normale supérieure Paris- Saclay, Paris, France.

21st Oct to 23rd Oct, 2025

Supported by
**Indo-French Centre for the Promotion of Advanced Research
(IFCPAR/CEFIPRA)**



Circulating tumor cells (CTCs) play a key role in cancer metastasis and are often resistant to chemotherapy, leading to disease recurrence. Understanding their mechanical properties and adhesion dynamics under flow is essential but hindered by a lack of appropriate model systems. Microfluidic platforms offer powerful tools for studying these processes at single-cell resolution. Recent advances in imaging and biophysical analysis enable deeper insights into CTC-endothelial interactions and extravasation. This workshop aims to bring together interdisciplinary experts to explore microfluidic-based studies of CTCs, advancing knowledge from both biological and mechanical perspectives to support future therapeutic strategies.

Speakers:

Prof. El Abed Abdel Illah, Prof. Himadri Chattopadhyay, Prof. Suvanjan Bhattacharyya, Prof. Rachid Bennacer, Dr. Laurent Muller, Prof. Olivier Francais, Dr Françoise Farace, Prof. Bruno Le Piouffle, Prof. Rajdeep Chowdhury, Prof. Syamantak Majumder, Prof. Pallab Sinha Mahapatra, Prof. Nirmalendu Biswas, Prof. Kamilia Abarhi, Prof. Akshay R Paul, Prof. Sudeshna Mukherjee, Prof. Ben Hamed, Prof. Yong Chen, Prof. Arindam Bit, Prof. Amaresh Dalal, Prof. Akshay Ranjan Paul.

Schedule:

21st Oct, 2025 (Day 1):

9.00 A.M. – 9.30 A.M. - Inauguration
9.30 A.M. – 1.00 P.M. – Technical Talk
1.00 P.M. – 2.00 P.M. – Working Lunch
2.00 P.M. – 5.30 P.M. – Technical Talk

22nd Oct, 2025 (Day 2):

9.00 A.M. – 12.30 P.M. – Technical Talk
12.30 P.M. – 1.30 P.M. – Working Lunch
1.30 P.M. – 4.30 P.M. – Technical Talk
8.00 P.M. – 10.00 P.M. – Gala Dinner

23rd Oct, 2025 (Day 3):

9.00 A.M. – 1.00 P.M. – Technical Talk
1.00 P.M. – 2.00 P.M. – Working Lunch
2.00 P.M. – 2.30 P.M. – Valedictory
2.30 P.M. onwards - Eiffel Tower tour
(optional)

Organized by École normale supérieure Paris- Saclay, Paris, France.

Indian Principal Investigator: Prof. Suvanjan Bhattacharyya, Birla Institute of Technology and Science Pilani, India.

French Principal Investigator: Prof. El Abed Abdel Illah, ENS Paris Saclay, France.