

EDPIF Scientific Day 2026

Monday 29 June 2026 · Sorbonne Université, Campus Jussieu

PROGRAMME

- 09:00** **Welcome desk**
- 09:30** **Opening remarks — Cédric Deffayet, EDPIF director**
- 09:45** **Emérick Maurian Biaffeu Nematchoua** *Laboratoire de Physique des Plasmas*
Identification of cold plasma components responsible for the antitumour response in subcutaneous cholangiocarcinoma models
- 10:00** **Héloïse Prévot** *Institut Pasteur — DBC*
Probing circuit function through dynamics-based comparison of graphlets
- 10:15** **Thomas Charles** *LJP, Sorbonne Université*
Mechanical response of collagen network to external loading
- 10:30** **Giovanni Russo** *LPTMS — PMMH*
Creep motion of driven disordered systems
- 10:45** *Coffee break & poster session*
- 11:30** *INVITED* · **Lydéric Bocquet** *LPENS*
Start-ups and science
- 12:10** **Pietro Caracciolo Di Torella** *LPTMS*
Using symmetry to understand patchy particles self-assembly
- 12:25** **Arij Fekih-Hassen** *ISMO*
Adaptive optics in light-sheet microscopy for high-resolution 3D in-vivo imaging
- 12:40** **Antoine Locquet** *ESPCI*
Invariant properties of multimode fibres for imaging applications
- 12:55** *Lunch*
- 14:15** *INVITED* · **Camille Scalliet** *LPENS*
From PhD student to permanent researcher: reflections on science, careers and gender
- 14:55** **Marco Capuzzo** *Institut Langevin — ESPCI*
Enhancing and accelerating photon emission from single molecules in DNA origamis using plasmonic nanocube dimers
- 15:10** **Jean-Paul Nohra** *Laboratoire Kastler Brossel — ENS*
Quantum simulation of fermionic matter: correlation imaging for strongly correlated fermions
- 15:25** **Yiming Wei** *Laboratoire Albert Fert*
Towards a spin-diode neural chip for low-power RF edge intelligence
- 15:40** **Dafne Prado Bandeira** *LPTMC, Sorbonne Université*
Anderson localization on Husimi trees and its implications for many-body localization
- 15:55** **Célestin Zimmerlin** *LabCom MIXTAPES*
Dynamics of music exploration
- 16:10** *Coffee break & poster session*
- 16:55** **Anastasiia Mikhno** *LPNHE — IJCLab*
Transient gamma-ray sky with the future Cherenkov Telescope Array Observatory (CTAO) and validation tests with the NectarCAM camera
- 17:10** **Lorenzo Restrepo** *LPNHE*
Hyper-Kamiokande: the new-generation water Cherenkov experiment
- 17:25** **Diego Mendoza Granada** *LPNHE*
Studying matter-antimatter asymmetry of B-meson decays in the LHCb experiment
- 17:40** **Poster & talk prizes — Closing remarks**
- 18:00** *Cocktail*

Student talks: 12 min + 3 min Q&A. · Invited talks: 40 min.