

# PROGRAMME JOURNÉE SCIENTIFIQUE EDPIF

Amphithéâtre Bilski-Pasquier - Campus des Cordeliers

15 Rue de l'École de Médecine - 75006 PARIS

*Lundi 19 juin 2017*

9h15

Introduction - Opening

9h30

Sophie Marbach

*Non-equilibrium separation : from biomimetic kidney-on-a-chip to active sieving*

9h50

Niloufar Nilforoushan

*Electronic band structure of the quasi-2D Mott material  $BaCo_{1-x}Ni_xS_2$*

10h10

Paul Hilaire

*Light-matter interfacing with quantum dots : polarization tomography approach*

10h30

Pause Café - Coffee Break

11h

Pierre-François Cohadon

Gravitational waves and interferometry

11h45

Timothé Poulain

*Dynamique à l'échelle de Planck : Théorie des champs sur espaces-temps quantiques*

12h05

Samuel Poincloux

*Elasticity and geometry of a knitted fabric*

12h30

Repas & Session Poster - Lunch & Poster Session

14h

Thomas Salez

The phonebook enigma

14h45

Fabrizio Minganti

*Manybody physics with light : Schrödinger cats to out-of-equilibrium phase transitions*

15h05

Manali Vivek

*Topology in Oxide surfaces and more*

15h30

Pause Café - Coffee Break

16h

Philippe Talatchian

*Pattern recognition with a network of coupled spin torque oscillators*

16h20

Zahra Asghen

*Room temperature high performances quantum cascade detectors*

16h40

Émilie Tisserond

*Unusual quantum oscillations in quasi-2D graphene-like materials*

17h

Cocktail & Farewell Party

19h

Soirée in *Le Caméléon*, 57 Rue Saint-André des Arts