



Journée scientifique du programme doctoral

Interfaces Pour le Vivant

Le Mardi 14 Septembre 2021 de 9h00 à 17h15

CICSU barre 44-45 salle 106

9h00-9h30 **Accueil café et introduction par Christine Ménager**

9h30-10h00 **Nicolas Biais**
Laboratoire Jean Perrin, Institut de Biologie Paris Seine, Sorbonne Université.
“Superheroes and supervillains of the human microbiota; an introduction to mechano-micro-biology.”

10h00-12h30 **Présentation des doctorants du programme IPV**
Promotions 2018 et 2019

1. **Nabil Baroudi**, *“Biomimetic membranes to study proton permeability of the inner mitochondrial membrane”*
2. **Lauriane Rietmeyer**, *“Partition of tRNA-Gly isoacceptors between protein and cell-wall peptidoglycan synthesis in Staphylococcus aureus”*
3. **Mohamad Harastani**, *“Methods for Biomolecular Conformational Variability Analysis in Cryo-ET Subtomograms: Case Study of Nucleosome Dynamics In Situ”*
4. **Marie Camman**, *“Macroporous dense collagen hydrogels to model dilated cardiomyopathies in vitro”*

Pause café de 15 min

5. **Gabrielle Schanne**, *“Design and delivery of anti-oxidant inorganic complexes mimicking the superoxide dismutase”*
6. **Martin Romei**, *“Exploratory study of the repartition of protein folds within the tree of life”*
7. **Jérémy Szymczak**, *“Chemical ecology of marine parasites, an example with parasites of dinoflagellates”*
8. **Audrey Cochard**, *“RNA at the surface of phase-separated condensates impacts their size and number”*
9. **Julien Malem**, *“Disentangling the origin of old lineages in New Caledonia: a geologically-informed test of the island-hopping hypothesis”*

12h30-13h00

Présentations flash des posters des doctorants du programme IPV

Promotion 2020

1. **Simon Thuillier**, *“Deciphering the mode of action of small bioactive molecules through Chemistry and Biology”*
2. **Renaud Baillou**, *“Crossing of the mucus barrier by motile microorganisms”*
3. **Reda El Mahzoum**, *“Cerebral blood and metabolism imaging by coupling ultrasound and photon”*
4. **Pierre Ucla**, *“Dynamics of induction of endothelial filopodia in complex geometries”*
5. **Laureline Julien**, *“Modélisation numérique 1D du réseau microvasculaire de la rétine”*
6. **Vincent Stin**, *“Measuring the 3D hydrodynamics of swimming snakes using Particle Image Velocimetry”*
7. **Maylis Garnier**, *“Magnetic molecularly imprinted polymers for cancer cell targeting and controlled drug delivery”*
8. **Jean Bouvet**, *“Mn1, a potent SOD mimic is able to reverse LPS-induced effect on proteome expression in a cellular model of inflammation mediated by oxidative stress”*
9. **Hugo Potier**, *“Biogeochemical cycles in Arctic environments : how to assess changes in remote ecosystems”*

13h00-14h30

Séance poster et paniers repas CICSU salle 102

14h30-15h00

Stéphanie Descroix

Institut Curie/Institut Pierre-Gilles de Gennes

“Organ on chip : new models for biology and biophysics”

15h00-17h15

Présentation des doctorants du programme IPV

Promotions 2018 et 2019

1. **Ilhem Jaabar**, *“Osteoarthritis impacts the composition and organization of supramolecular assemblies in human cartilage extracellular matrix”*
2. **Mathilde Le Jeune**, *“Conjugation of cell penetrating peptides to γ -Fe₂O₃@SiO₂ core-shell nanoparticles to improve access to the cytosol”*
3. **Moencopi Bernheim Dennery**, *“Reconstruction of the intestinal complexity on a chip”*
4. **Taleen Peker**, *“Design of selective inhibitors of serine protease involved in inflammatory processes by Dynamic Combinatorial Chemistry on folded peptidic scaffolds”*

Pause café de 15 min

5. **Robin Ramos**, *“Intracellular localization of a BODIPY-appended iridium complex with antiproliferative properties”*
6. **Julie Lafaye**, *“Danionella translucida: a new vertebrate model to study locomotor neuronal circuits”*
7. **Mathieu Faure-Brac**, *“Combined palaeohistological and isotopic inferences of thermometabolism in extinct Neosuchia, using Goniopholis and Dyrosaurus (Pseudosuchia : Crocodylomorpha) as case studies”*

8. **Lorenzo Chaffringeon**, “Anti-inflammatory approach using bile salts as modulators of the gut microbiota”

A partir de 17h15

Apéro doctoral à la Bulle à Bière, rejoignez-nous !

A moins de 5 min de marche du campus Jussieu !

