

PSL-Qlife 1st Annual meeting Program

April 11th, 2019

Institut Curie - 12 rue Lhomond - Amphitheatre Burg

9.00-9.15 am : Welcome coffee (Green Café)

9.15-9.45 am : **Bruno Goud & Léa Wurges**, Presentation of Qlife, 2018 actions and funding opportunities

9.45-10.00 am : **Patrick Charnay**, Master Imalis & Qlife fellowships

10.00-10.15 am: **Bruno Rostand**, PSL Valorization

10.15-11.00 am : **Pr David Giedroc**, Indiana University Bloomington, « Inorganic Chemistry of the Cell: Transition Metal Homeostasis in Bacterial Pathogens »

11.00-11.20 am : Coffee break (Green café)

11.20-11.40 am : **Arnaud Gautier** « splitFAST: a split fluorescent reporter with rapid and reversible Complementation »

11.40-12.00 pm : **Chiara Zurzolo, Patricia Bassereau & Michael Henderson** « Understanding the cell biology and biophysics of tunneling nanotubes (TNTs): mechanisms of formation and specific markers for their identification and function in vivo »

12.00-12.20 pm : **Jean-Léon Maitre & Hervé Turlier** « The unique mechanics of human preimplantation morphogenesis »

12.20-12.30 pm: **Chloé Geoffroy & Alexandre Santinho**, Qlife PhD students

12.30-2.00 pm : Lunch (Green Café)

2.00-2.45 pm : **Pr Philippe Bastiaens**, MPI Dortmund, « A synthetic morphogenic system »

2.45-3.05 pm : **Angela Taddei, Judith Mine, Aleksandra Walczak & Thierry Mora** « The physics of repair and silencing foci »

3.05-3.25 pm : **Laurent Bourdieu** « Fast 3D imaging of neuronal activity in visual cortex across multiple layers in awake mice »

3.25-3.45 pm: **Terence Strick** « A double-strand DNA molecular scaffold to characterize the dynamics of molecular interactions »

3.45-4.00 pm : coffee break

4.00-4.20 pm: **Ingrid Lafontaine** « About the origin of the protein import machinery in organelles and co-evolution between nuclear and chloroplastic genomes »

4.20-4.40 pm: **Fethi Bedioui** « Electroanalytical strategies for the detection of biologically relevant small and reactive chemical analytes. Case of hydrogen peroxide, nitric oxide and nitrosothiols »

4.40-5.00 pm: **Laurent Corte** « Hydrogel design for medical applications »

5.00-7.00 pm : Poster session from Qlife teams and Aperitif (Burg inner courtyard)



Poster list

Poster number	Name	Poster Title
1	Shailaja Seetharaman	Microtubule acetylation in cell migration and mechanotransduction
2	Marika Kapsimali	Slithering, a novel type of cell displacement that contributes to the formation of sensory organs
3	Kristine Schauer	Probabilistic density maps to study the subcellular morphological atlas of cancer cells
4	Cyrine Slim & Sophie Griveau	Miniaturized electrochemical sensors for oxidative/nitrosative stress detection in vitro and in vivo
5	Gaëlle Dutour Provenzano	Role of intermediate filaments in mechanotransduction during cell migration
6	Juliana Geay	Intermediate filaments: role in invasive properties of glioblastoma cells
7	Adèle Dramé-Maigné	The Programmable External Network based Compartmentalized Self-Replication (PEN CSR), a novel adaptive tool for the directed evolution of enzymes
8	Rocio Espada	Supervise high-throughput directed evolution experiments by next generation sequencing
9	Antoine Danon	Stress-induced social behavior in Chlamydomonas reinhardtii
10	Michael Henderson	Tunnel vision: Understanding the cell biology and biophysics of tunneling nanotubes
11	Bruno Miroux	Shaping bacterial cells with genetics for membrane protein production
12	Jean-Baptiste Manneville	Multiscale microrheology of astrocytes and glioma cells
13	Magali Hennion	Mapping DNA replication with nanopore sequencing
14	Christian Vestergaard & Till Kletti	Mapping single molecule dynamics at the full cell scale without tracking
15	Matthew Deyell	Multiplexed Perturbations of the Regulatory Network of E. coli
16	Alexander Serov	Bayesian Approach to Robust Active Force Inference in Heterogeneous Environments
17	Ines Guerreiro	Computational modeling of synaptic plasticity induced by repeated disinhibition
18	Gregory Dumont	Intrinsic and Synaptic Properties Determine Macroscopic PRC and Coherence States of Communicating Oscillatory Circuits
19	Weiting ZHANG	Quantitative study of the somitogenetic wavefront in zebrafish
20	Johann Lussange	Mesoscale impact of multi-agent learning on financial stock markets
21	Oleg Mikhajlov	Mechanosensing and dynamics of cell filopodia

WIFI
Network : Curie_Events
Password : Tetrames*45D