

PSL-Qlife 2nd Annual meeting Program

March 5th, 2021

Via Teams: <http://bit.ly/3dcAy7B>

- 11.00 am **Bruno Goud and Lea Wurges**
Presentation of Qlife, 2020 actions and funding opportunities
- 11.15 am **João Antonio**, Team Gasser - Chimie ParisTech
Polymeric nanoencapsulation of cytotoxic Ruthenium(II) polypyridyl complexes for tumor delivery
- 11.35 am **Zoher Gueroui** - ENS
Engineered magnetic bacteria for spatial manipulation and biotechnology applications
- 11.55 am **Patrick Charnay**
Qlife training activities
- 12.10 am **Bruno Rostand**
PSL Valorization
- 12.25 am **Julien Heuvingh** - ESPCI
Dynamical and mechanical characterization of the cell cortex through a contact method
- 12.45 am **Florent Charton**, Team Bowler - ENS (Qlife PhD fellowship)
Functions of long non-coding RNAs in the stress response in *Phaeodactylum Tricornutum*
- Claire Lansonneur**, Team Thieffry - ENS (Qlife master fellowship)
Single-cell integrative approaches to define developmental heterogeneity: applications to T-cells and microglia
- Tristan Lazard**, Team Walter - Mines Paris Tech / Institut Curie (Qlife PhD fellowship)
Prediction of homologous recombination deficiency from H&E slides, a case of machine-teaching
- 1.15 pm *Break*
- 2.30 pm **Sébastien Wolf**, Team Bourdieu - ENS
From fast in vivo 3D optical recording of neuronal activity to neural networks models
- 2.50 pm **Lou Zonca**, Team Holcman - ENS
Modeling synaptic dynamics and AHP, application to the thalamo-cortical loop during anesthesia
- 3.10 pm **Roshan Kumar Vijendravarma**, Team Leopold - Institut Curie
Achieving bilateral organ symmetry during development - An Earthian perspective
- 3.30 pm **Jacques Serizay**, Team Spassky - ENS
Co-opting the mitotic oscillator to differentiate
- 3.50 pm *Break*
- 4.00 pm **Steve Quake**, Stanford University - SAB member
The Cell is a Bag of RNA
- 4.50 pm *Break*
- 5.00 pm **Sébastien Lemaire**, Team Colot - ENS
Epigenetics in slow motion: modeling the transgenerational progressivity of DNA methylation
- 5.20 pm **Li Wang**, Team Piel - Institut Curie
A cell confiner assay to identify factors that generate DNA damage in cells with a compromised nuclear envelope
- 5.40 pm **Lorette Noiret**, Team Bellaïche - Institut Curie
From spatial transcriptomic to Morphogenesis