

INSTITUT PIERRE
GILLES DE GENNES -
KICK OFF

OCTOBER
4TH AND
5TH 2021

IPGG
DAYS

—
6 rue Jean Calvin
75005 Paris
Amphitheater and Hall



INSTITUT
PIERRE-GILLES
DE GENNES
Pour la microfluidique

PSL



PSL



PSL



PSL

ESPCI



PARIS

PSL

cnrs

PROGRAM

OCTOBER 04 - Scientific talks

9:00 IPGG: Evolution, budget, new scientific projects, IPGG 2024
A. Colin & S. Descroix

High Risk 2020 Projects

9:30 MimeCodr : Microfluidic Metamaterials with Coiled Droplets
J. McGraw

9:50 A Reactor for the emergence of EVOLution from Life's building blocks (REVOLI)
T. Fraccia & P. Nghe

10:10 A conductive soft granular material for water desalinization
N. Bremond

10:30 RUN Project : Drug discovery through cell migration
P. Vargas

10:50 Break

Open Calls / Water Energy 2021 Projects

11:00 Genetically encoded soft microfluidic interfaces
D. Baigl

11:10 Microfluidics for the selective functionalization of C-H bonds
C. Lescot

11:20 Microplastics
A. Griffiths

11:30 Nanoarchitertured membranes for ion-based electroosmotic water purification
L. Riès

11:40 Microparticle distribution in vortex flows
A. Lindner

11:50 Microbiome of agricultural soils
J. Baudry

12:00 Catalyst-free novel plasma-liquid micro-structured reactor for the direct oxidation of methane to liquid oxygenated fuels
M. Zhang

OCTOBER 04 - IPGG Meet-up

2:00 Microscale Affairs - Introduction
A. Williard & R. Kowsari

2:10 "My lab in 180 sec" - Competition

3:30 Science Shaker

5:00 Quizz

5:30 Awards

6:00 Apéritif

PROGRAM

**Brainstorming: Let's take advantage of some opportunities (PSL Labex, DRIM):
What are the new techniques/devices you want to see on the platform?**

OCTOBER 05 - am

- 9:00 Platform: Evolution, budget & new technological projects/developments *B. Cinquin*
- 10:00 How to make $1+1=3$? *D. Cuvelier*
- 10:10 Break
- 10:20 NanoFabrication and NanoFluidics - TALKS
M. Lepoitevin, C. Tregouet, J. Laurent, L. Riès, M. Hautefeuille
- 12:00 NanoFabrication and NanoFluidics - BRAINSTORMING

OCTOBER 05 - pm

- 2:00 Glass Materials, polymers or electronic conductors for Microfluidics - TALKS
M. Zhang, N. Burshtein, B. Laroche, C. Bouquerel, J. Fattaccioli, F. Bedoui
- 3:15 Glass Materials, polymers or electronic conductors for Microfluidics - BRAINSTORMING
- 3:45 Break
- 4:00 Biomaterials for Microfluidics and Organ-on-Chips - TALKS
F. Pincet, C. Aimé
- 4:30 Biomaterials for Microfluidics and Organ-on-Chips - BRAINSTORMING
- 5:00 Conclusion