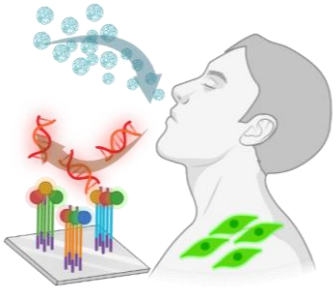
Université Paris Cité



**Symposium**

# Innovative chemical tools and systems for sensing and imaging of life

8-9 December 2022

UFR Biomédicales des Saints Pères

45, rue des Saints-Pères, 75006 Paris

Université Paris Cité

# Symposium Program

## Day 1: 08/12/2022

| | | |
|---|---|---|
| *8H30-9H00* | *Welcome breakfast* | |
| *Session: Nanomaterials for biosensing* | | |
| *9H00* | *Session introduction* | |
| 9H05 | Keynote speaker (35+10 min)<br>**Corinne Chanéac** | Luminescent nanoparticles: opportunity for optical imaging and temperature sensing |
| 9H50 | Invited speaker (20+5 min)<br>**Anne Varene** | Miniaturized electrokinetic methodologies: designing tools and systems for bio-medical diagnostics |
| *10H15* | *Coffee break + poster session* | |
| 10H50 | Invited speaker (20+5 min)<br>**Florence Gazeau** | Nanomedicine approach to modulate the tumor microenvironment |
| 11H15 | Flash (10+5 min)<br>**Giorgio Mattana** | Inkjet-printing: a new tool for the fabrication of biosensors? |
| 11H30 | Flash (10+5 min)<br>**Antoine Maruani** | Homogeneous & Versatile Protein Modification – A Chemist Perspective |
| 11H45 | Flash (10+5 min)<br>**Nébéwia Griffete** | Magnetic molecularly imprinted polymer for cancer therapy |
| *12H00* | *Lunch (cold buffet) + poster session* | |
| *Session: Nanomaterials for bioimaging* | | |
| *13h25* | *Session introduction* | |
| 13H30 | Keynote speaker (35+10 min)<br>**Andrey Klymchenko** | Fluorescent toolbox based on organic dyes and nanoparticles for biosensing and bioimaging |
| 14H15 | Invited speaker (20+5 min)<br>**Miryana Hémadi** | Nanomaterials for imaging and eradication of bacterial biofilm |
| 14H40 | Flash (10+5 min)<br>**Cyrille Richard** | Bioimaging and biosensing using persistent luminescence nanoparticles |
| 14H55 | Flash (10+5 min)<br>**Jérôme Gateau** | Photoacoustic imaging: sensing the optical absorption properties of nanoparticle-based agents |

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|---|---|---|
| 15h10 | Flash (10+5 min)<br>**Yun Luo** | Encoded plasmonic and non-plasmonic nanoparticles for SERS bioimaging |
| 15H25 | *Coffee break + poster session* | |
| 16H30 | Closing speech of day 1 + poster + drink | |

## Day 2: 09/12/2022

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|---|---|---|
| *8H30* | *Breakfast* | |
| *Session: Molecular fluorescent probe for sensing and imaging* | | |
| *8h55* | *Session introduction* | |
| 9H00 | Keynote speaker (35+10 min)<br>**Arnaud Gautier** | Chemogenetic tools for imaging, sensing and controlling cellular biochemistry |
| 9H45 | Invited speaker (20+5 min)<br>**Sarit Agasti** | Super-resolution imaging and optical barcoding via host-guest molecular recognition |
| *10H10* | *Coffee break + poster session* | |
| 10H50 | Flash (10+5 min)<br>**Clemence Allain** | Mechanofluorochromic molecules and materials: towards fluorescent force sensors |
| 11H05 | Flash (10+5 min)<br>**Florence Mahuteau-Betzner** | Ultrabright two-photon excitable fluorogenic probes for fast bioorthogonal wash-free labeling in live cells |
| 11H20 | Flash (10+5 min)<br>**Nathalie Gagey-Eilstein** | Array-based sensors for Optical Fingerprinting: From Identification of Protein to prediction of pathological statues |
| 11H35 | Invited speaker (20+5 min)<br>**T. Govindaraju** | Molecular Theranostics |
| 12h00 | Invited speaker (20+5 min)<br>**Ludovic Julien** | Dynamic contrast in fluorescence imaging |
| 12H25 | Closing speech of symposium + Best poster prize | |