



Wednesday June 28th, 2023

CEA - Centre de Paris-Saclay | Building 136 | Conference room (ground floor)

9h00 – 10h00 : Introductive session (60 min)

Welcome (Stéphanie Simon / Christophe Junot)

9h00 – 9h30 : CEA general presentations (30 min)

CEA / Medicines and Healthcare Technologies Department (DMTS), Christophe Junot (5 min)

CEA / Pharmacology and immunoanalysis unit (DMTS / SPI), Stéphanie Simon (5 min)

CEA / Molecular labeling and bio-organic chemistry unit (DMTS / SCBM), Frédéric Taran (10 min)

CEA / Molecular engineering of proteins unit (DMTS / SIMoS), Denis Servent (10 min)

9h30 – 10h00 : VTT general presentations (30 min)

VTT (general presentation), Leena Hakalahti (10 min)

VTT / Biosensor team, Kristiina Iljin (20 min)

10h00 – 10h30 : Coffee break

10h30 – 12h30 : Session 1 (120 min) – Scientific presentations on dedicated topics

Please, 10 minutes talk only and allow 5 minutes for questions

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| 10h30 – 10h45 | Homogeneous immunoassay for Staphylococcus aureus Enterotoxin A
Tarja Nevanen (VTT) |
| 10h45 – 11h00 | Development of antibodies and immunological tests against staphylococcal enterotoxins
Nina Aveilla (SPI / LERI) |
| 11h00 – 11h15 | Characterization of humoral responses to food antigens in allergic patients
Hervé Bernard (SPI / LI2A) |
| 11h15 – 11h30 | A new device for Sample Processing, Incubation, Detection (SPID): Why and How
Hervé Volland (SPI / LERI) |
| 11h30 – 11h45 | Development of microfluidic devices for diagnostic applications
Karla Perez Toralla and Fanny Rousseau (SPI / LERI) |
| 11h45 – 12h00 | Antibody quantification by mass spectrometry
François Becher (SPI / LI-MS) |

12h00 – 12h30 : General discussion / exchanges (30 min)

12h30 – 14h00 : Lunch break



Wednesday June 28th, 2023 (END)

14h00 – 15h30 : Session 2 (90 min) – Scientific presentations on dedicated topics

Please, 10 minutes talk only and allow 5 minutes for questions

- 14h00 – 14h15 Therapeutic and diagnostic perspectives of venom-derived peptides
Denis Servent (SIMoS / LPEM)
- 14h15 – 14h30 Site-selective modification and dual radiolabelling of antibodies
Laurent Devel (SIMoS / LBC)
- 14h30 – 14h45 Pharmacological evaluation of radiolabeled compounds in rodents
Mathilde Keck (SIMoS / LPEM)
- 14h45 – 15h00 Modelling *in vitro* tools for CNS drug delivery and screening
Aloïse Mabondzo (SPI / LENIT)

15h00 – 15h30 General discussion / exchanges (30 min)

15h30 – 16h00 : Coffee break

16h00 – 18h15 : Visit of DMTS laboratories and platforms (120 min)

Saclay (120 min) : **Building 136** (SPI, conference room) →→→ **Building 547** (SCBM) – chemistry / radiolabelling laboratories (Frédéric Taran, Antoine Sallustrau) →→→ **Building 136** (SPI) - mass spectrometry (François Fenaille), Ab production platform (Anne Wijkhuisen, Patricia Brochard (tbc)) →→→ **Building 144** (SPI) - P3 laboratory (Stéphanie Simon), microfluidics laboratory (Karla Perez Toralla, Fanny Rousseau) →→→ **Building 152** (SIMoS) - flow cytometry (Bernard Maillère), yeast surface display (Hervé Nozach, Steven Dubois), beta-imaging (Mathilde Keck) →→→ back to **Building 136** (SPI, conference room).

Marcoule (15 min) : Virtual visit of DMTS-SPI / LI2D laboratories and platforms (slideshow), Laurent Bellanger (SPI / LI2D)

18h15 – 18h30 : Conclusions – next steps ?