

Meeting Montpellier - Synchrotron SOLEIL

Monday, April 28th, 2025 & Tuesday, April 29th, 2025

CNRS DR13 Amphitheater

Day 1 – Monday, April 28th, 2025

14h00 - 14h10: *Introduction of the Meeting* - Nathalie SIBILLE

14h10 - 14h25: *Introduction of Synchrotron SOLEIL & HELIOBIO* - Frédéric JAMME (HelioBio Coordinator)

Presentation of SOLEIL Imaging beamlines

Chairperson: Aurélien THUREAU

14h25 - 14h50: Timm WEITKAMP (Beamline Manager) - *Micro/nano-Ptychography-Tomography - ANATOMIX/SWING*

14h50 - 15h10: Camille RIVARD (INRAE Associate Eng.) - *X-ray fluorescence - NANOSCOPIUM / LUCIA*

15h10 - 15h25: Christophe SANDT (Beamline Scientist) - *IR spectroscopy / imaging - SMIS*

15h25 - 15h55: Coffee break

(CNRS Amphitheater Hall)

Presentation of Montpellier projects

Chairperson:

15h55 - 16h15: Céline GONGORA (IRCM) - *"In vitro and in vivo models for studying the tumor microenvironment and identifying new treatments in oncology"*

16h15 - 16h35: Fabrice CAUDRON (IGMM) - *"Prion-like proteins: a double-edge sword in cellular memory and aging"*

16h35 - 16h55: Marta MENDONÇA COVA (LPHI) - *"Seeing is understanding: U-ExM sheds light on Parasite Cell Biology"*

16h55 - 17h15: Speaker (LAB) - *Title TBD (15 min + 5 min questions)*

Presentation of SOLEIL Imaging beamlines

Chairperson: Tatiana ISABET

17h15 - 17h30: Hugo CHAUVET (Beamline Scientist) - *UV imaging - DISCO*

17h30 - 17h45: Gabriel DAVID (Biolab Manager) - *BioLABs*

17h45 - 18h00: Pierre MONTAVILLE (Beamline Scientist) - *SOLEIL Access*

18h00 - 18h30: Round Table

(CNRS Amphitheater Hall)

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Day 2 – Tuesday, April 29th, 2025

Presentation of SOLEIL Structural biology beamlines

Chairperson: Frédéric JAMME

8h30 - 8h45: Bill W. Shepard (Beamline Manager) - *Macromolecular crystallography - PROXIMA-1/2A*

8h45 - 9h00: Pierre LEGRAND (Beamline Manager) - *CryoEM - POLARIS*

9h00 - 9h15: Aurélien THUREAU (Beamline Scientist) - *BioSAXS - SWING*

9h15 - 9h30: Frank WIEN (Beamline Scientist) - *Synchrotron Radiation Circular Dichroism - DISCO*

Presentation of Montpellier projects

Chairperson: Simonetta PIATTI (CRBM)

9h30 - 9h50: Alenka ČOPIČ (CRBM) - *"Interaction of perilipin proteins with lipid droplets"*

9h50 - 10h10: Luca COSTA (CBS) - *"In situ Atomic Force Microscopes for synchrotron beamlines"*

10h10 - 10h30: Speaker (LAB) - *Title TBD (15 min + 5 min questions)*

10h30 - 11h00: Coffee break

(CNRS Amphitheater Hall)

Discussion between Montpellier researchers and SOLEIL scientists

11h00 - 12h00: **Speed meeting** in the Meeting room No. 1, Balard building

12h00 - 13h30: Lunch

&

Speed meeting continuation

(CNRS Amphitheater Hall)

12h00 - 15h00: **Speed meeting continuation** in the CNRS Amphitheater Hall, the Meeting room No. 1 Balard building, or the Cafeteria of the Pôle Chimie Balard

For the SOLEIL beamlines, for each presentation, "technique – beamline name" are mentioned (for example: BioSAXS – SWING).

If you would like to find out more about synchrotron techniques, leaflets illustrating the applications are available here: <https://www.synchrotron-soleil.fr/en/research/house-research/biology-health-heliobio>