

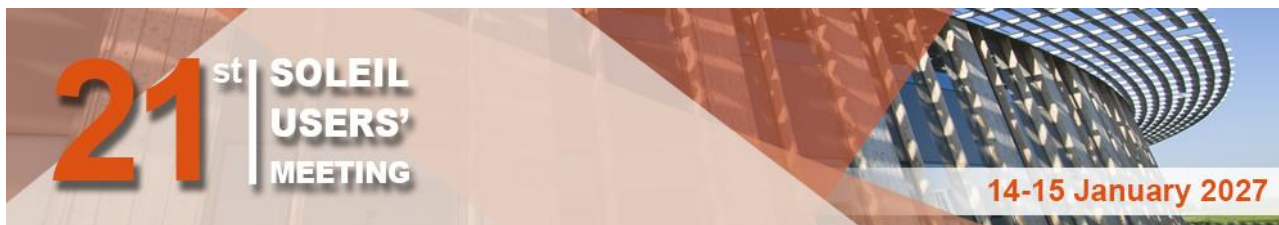
Satellite workshop – Integrative structural biology at SOLEIL: Contributions from the POLARIS cryo-EM and the synchrotron beamlines

January 13, 2027
Synchrotron SOLEIL, Saint-Aubin – France

Wednesday, January 13th, 2027

SOLEIL Auditorium - Main Building

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|---------------|--|
| 09:00 - 09:30 | Registration & coffee - Welcome |
| 09:30 - 09:40 | Opening remarks and introduction to the day |
| 09:40 - 10:10 | Presentation - An Overview of CryoEM and Beamlines for Integrative Structural Biology |
| 10:10 - 10:55 | Plenary Talk - Unlocking the secrets of heart muscle regulation in health and disease
<i>Anne Houdusse - Institut Curie, Unité Biologie cellulaire et cancer, Paris, France</i> |
| 10:55 - 11:55 | Oral communications from abstracts (3*20min) - Synchrotron SOLEIL, Saint-Aubin, France |
| 11:55 - 13:30 | <i>Lunch</i>
<i>Coffee Break after lunch setting up in front of the SOLEIL Auditorium - Main Building</i> |
| 13:30 - 14:15 | Plenary Talk - From Molecular Structure to the Cochlea: A Multiscale Exploration of the GPCR ADGRV1 in Hearing and Deafness
<i>Nicolas Wolff - Institut Pasteur, Paris, France</i> |
| 14:15 - 15:35 | Oral presentations from abstracts (4*20 min) - Synchrotron SOLEIL, Saint-Aubin, France |
| 15:35 - 16:00 | <i>Coffee Break setting up in front of the SOLEIL Auditorium - Main Building</i> |
| 16:00 - 17:00 | Oral presentations from abstracts (3*20 min) - Synchrotron SOLEIL, Saint-Aubin, France |
| 17:00 - 17:30 | General discussion and Conclusion |



SOLEIL Users' Meeting

January 14 - 15, 2027
Synchrotron SOLEIL, Saint-Aubin - France

Thursday, January 14th, 2027

SOLEIL Auditorium - Main Building

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|---------------|--|
| 09:00 - 10:00 | Registration & coffee |
| 10:00 - 10:10 | Welcome / Introduction – Amélie Bordage - S2UO Chair |
| 10:10 - 10:50 | Latest news from SOLEIL – Jean Susini - General Director - <i>Synchrotron SOLEIL, Saint-Aubin, France</i> |
| 10:50 - 11:35 | Plenary Talk – When symmetry breaks: a spectroscopic journey into magnetism and chirality
Amélie Juhin - IMPMC, Paris, France |
| 11:35 - 12:35 | Towards SOLEIL II
Eva Pereiro, Amina Taleb - Scientific Director - <i>Synchrotron SOLEIL, Saint-Aubin, France</i>
Javier Perez - Deputy Leader of SOLEIL-II Upgrade Project - <i>Synchrotron SOLEIL, Saint-Aubin, France</i> |
| 12:35 - 14:00 | <i>Lunch</i>
<i>Coffee Break after lunch setting up in front of the SOLEIL Auditorium - Main Building</i> |
| | Parallel sessions – 5 different rooms |
| 14:00 - 16:00 | <ul style="list-style-type: none"> • Biology and Health • Chemistry & Soft Matter (Characterization of structure and properties of chemical materials, reactivity, catalysis, chemical surfaces and interfaces / Soft matter) • Diluted matter • Geosciences / Environment / Cultural Heritage • Physics & Advanced Materials (Structural, electronic and magnetic properties of matter / Physical surfaces and interfaces) |
| 16:00 - 16:30 | <i>Coffee Break setting up in front of the SOLEIL Auditorium - Main Building</i> |
| 16:30 - 17:15 | Plenary Talk – <i>Inside a Synchrotron: Organizing Work and Making Science</i>
Cynthia Colmellere – CentraleSupélec, IDHES/ENS Paris-Saclay, Gif-sur-Yvette, France |
| 17:15 - 19:15 | The posters session science
Commercial Exhibitors |
| 19:30 - 21:30 | <i>Aperitif / Dinner</i> |
| 21:45 | <i>Bus transfer</i> |

Friday, January 15th, 2027

SOLEIL Auditorium - Main Building

Parallel sessions – 5 different rooms

- Biology and Health
- Chemistry & Soft Matter (Characterization of structure and properties of chemical materials, reactivity, catalysis, chemical surfaces and interfaces / Soft matter)
- Diluted matter
- Geosciences / Environment / Cultural Heritage
- Physics & Advanced Materials (Structural, electronic and magnetic properties of matter / Physical surfaces and interfaces)

09:00 - 11:00

11:00 - 11:30 *Coffee Break setting up in front of the SOLEIL Auditorium - Main Building*

Plenary Talk – From Data Deluge to Intelligent Discovery: GRADES' AI-Driven Frontiers

11:30 - 12:15 **Emmanuel Fahri** - Synchrotron SOLEIL, Saint-Aubin, France

Conclusion

12:15 - 14:00 *Lunch*
Coffee Break after lunch setting up in front of the SOLEIL Auditorium - Main Building

14:00 - 17:00 Visit and Tutorials

14:00 - 15:30 **Visit of 3 Beamlines – DIFFABS / HERMES / PSICHE**

Tutorial 1 – [Chemometry for XAS](#)
Organizers: Anthony Beauvois, Valérie Briois - Synchrotron SOLEIL, Saint-Aubin, France
Asma Tougeri - S2UO

Tutorial 2 – [The use of artificial intelligence for tomography data treatment](#)
Organizers: Neal Brodnik, Shyam Pulickan, Andrew King - Synchrotron SOLEIL, Saint-Aubin, France, Simona Raneri - S2UO

Tutorial 3 – [Introduction to Using the CasaXPS Program for Processing Photoelectron Spectroscopy \(PES\) Data](#)
Organizers: Vincent Fernandez - IMN, Nantes, France, Luis Cardenas - S2UO

Mini-symposium – Synchrotron infrared spectroscopy at SOLEIL: valuable results and new challenges

Organizers: Amélie Bordage, Pierre Asselin - S2UO, Pascale Roy (AILES beamline), Ferencs Borondic (SMIS beamline) - Synchrotron SOLEIL, Saint-Aubin, France

Friday, January 15th, 2027

SOLEIL - Reception Building Auditorium

13:45 - 14:15 **Jean-Blaise Brubachs** - Synchrotron SOLEIL, Saint-Aubin, France

14:15 - 14:35 Synchrotron-based high resolution molecular spectroscopy in the far-IR. New opportunities in the contexts of precision spectroscopy and for the characterisation of highly reactive reaction intermediates

Olivier Piralli - ISMO, Orsay, France

14:35 - 14:55 Title to be confirmed

Jean-François Lampin - IEMN, Lille, France

14:55 - 15:15 Operando infrared spectroscopy study of phase transitions in ZrO₂ thin films

Thomas Maroutian - C2N, Palaiseau, France

15:15 - 15:35 Title to be confirmed

Anna Celeste - LuMIn, Gif sur Yvette, France

15:35 - 15:55 Aqueous electrolytes for batteries, what IR (at synchrotron) can bring

Magali Gauthier - NIMBE/Laboratoire d'Etude des Eléments Légers, Gif-sur-Yvette, France

15:55 - 16:15 Title to be confirmed

Christophe Sandt - Synchrotron SOLEIL, Saint-Aubin, France

16:15 - 16:50 General discussion

16:50 - 17:00 *Coffee break setting up in front of the SOLEIL amphitheater – Reception building*