

20th GERLI international lipid meeting
"Lipids in Cell Structures and Metabolism"
Strasbourg, France – November 3rd to 5th, 2025

FINAL PROGRAM

CCI Campus Strasbourg – Alsace Eurométropole
[web page](#)
Auditorium Simone Veil
234 avenue de Colmar – 67100 **STRASBOURG**

Monday, November 3, 2025

09:00 – 10:00 Registration, coffee
10:00 – 10:10 Welcome addresses

Session 1 - Opening Lecture and GERLI PhD Awards session

10:10 – 11:00 **Opening lecture**
Russell DeBose-Boyd, UT Southwestern Medical Center, Houston, US
[Lipid sensing pathways in cholesterol metabolism](#)

11:00 – 11:30 **GERLI PhD Awards**
11:30 – 12:15 Poster session – Flash-Talks 1 min 1 slide
12:15 – 13:45 **Lunch and poster session** (13:00-13:45 poster presentation with the poster jury)

Session 2 - Advanced approaches for lipid research

13:45 – 14:15 André Nadler, MPI-CBG, Dresden, GE
[Time for lipid cell biology](#)

14:15 – 14:45 Stefano Vanni, University of Fribourg, CH
[Discovering new membrane proteins' functions with multi-scale molecular simulations](#)

14:45 – 15:30 3 short-talks selected from abstracts (12min + 3min Q/A)

15:30 – 16:15 **coffee break / poster viewing**

Session 3 - Lipid cellular functions

16:15 – 16:45 Delphine Muriaux, Institut de Recherche en Infectiologie, Montpellier, FR
[Lipids and membrane host factors in HIV-1 assembly](#)

16:45 – 17:15 Alexandre Martinière, Institute for Plant Sciences, Montpellier, FR
[Plasma membrane organization and cell signaling in Arabidopsis](#)

17:15 – 18:00 3 short-talks selected from abstracts (12min + 3min Q/A)

18:00 – 18:45 **GERLI General Assembly**

Tuesday, November 4, 2025

Session 4 – Lipids in autophagy

08:30 – 09:00 Amélie Bernard, Laboratory of Membrane Biology, Bordeaux, FR
[Lipid/protein interplay in membrane formation and remodeling during plant autophagy](#)

09:00 – 09:30 Sabrina Büttner, University of Münster, DE
[Lipophagy in yeast: from lipid droplet tethering to vacuolar hydrolysis](#)

09:30 – 10:15 3 short-talks selected from abstracts (12min + 3min Q/A)

10:15 – 10:45 **coffee break**

Session 5 – Membrane biophysics

10:45 – 11:15 Erdinc Sezgin, Karolinska Institutet, Stockholm, SE
[Biophysical properties of cells and nanoscale bioparticles as new biomarkers of health and disease](#)

11:15 – 11:45 Bianca Schrüf, Saarland University, Homburg, DE
[Molecular mechanisms underlying protein targeting to lipid droplets](#)

11:45 – 12:45 4 short-talks selected from abstracts (12min + 3min Q/A)

12:45 – 14:15 **Lunch and poster session** (13:30-14:15 poster presentation with the poster jury)

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SFEL-GERLI Joint Session 6 - Lipids and brain

- 14:15 – 14:45 Sophie Layé, Bordeaux Neurocampus, Bordeaux, FR
[Role of omega3 in brain development and cognitive trajectory](#)
- 14:45 – 15:15 Serge Luquet, Functional and Adaptive Biology Laboratory, Paris, FR
[Brain lipid sensing and adaptive response to modern food environment](#)
- 15:15 – 16:15 4 short-talks selected from abstracts (12min + 3min Q/A)

Social Events

- 17:30 Visit of the Historic Wine Cellar of Strasbourg Hospices**
- 20:00 Gala Dinner – The Drunky Stork Social Club, Strasbourg**

Wednesday, November 5, 2025

Session 7 - Membrane contact sites

- 09:00 – 09:30 Tim Levine, University College of London, UK
[Finding lipid transfer proteins](#)
- 09:30 – 10:00 Manuela Dezi, Institut Curie, Paris, FR
[Cryo-ET characterization of Vap contact sites](#)
- 10:00 – 10:45 3 short-talks selected from abstracts (12min + 3min Q/A)
- 10:15 – 10:45 coffee break

Session 8 – Lipids in metabolism and cancer

- 10:45 – 11:15 Vincent Hyenne, Centre de recherche en biomédecine, Strasbourg, FR
[Tracking tumor extracellular vesicles from birth to pre-metastatic niches](#)
- 11:15 – 11:45 Arnaud Blomme, GIGA-Research Institute, University of Liège, B
[Targeting mTORC2-dependent reprogramming of lipid metabolism in lung cancer](#)
- 11:45 – 12:30 3 short-talks selected from abstracts (12min + 3min Q/A)
- 12:30 – 12:45 Short-talks Awards and closing**
- 12:45 – 14:00 Farewell lunch**