

Welcome to the LIPID MAPS® Newsletter



October 2025

LIPID MAPS® Webinars

Upcoming Webinar

We are very pleased to announce the next LIPID MAPS webinar, which will be presented by Dr. Sven Heiles, entitled: “Visualizing cellular lipid distributions by mass spectrometry imaging.”

We warmly invite you to join us for what promises to be a highly informative and engaging session.

Register NOW

Spread the word and encourage your network to join us!!

Previous Webinars

Watch NOW!!

We welcomed our first presenter for Series 7, Kasparas Petkevicius in September. If you missed his wonderful webinar on “Mapping the cellular pathway of bis(monoacylglycero)phosphate biosynthesis” you can catch up now on our YouTube Channel.

Subscribe to our LIPID MAPS YouTube Channel so that you don't miss these incredible resources!



Join LIPID MAPS across Social Media

Our socials are growing! We are now active on Instagram, BlueSky, and LinkedIn. Choose your platform(s), click the icon and follow us to stay connected!


Partial Spectra DB

Explore the Uncharted: Introducing Partial Spectra DB – A New Frontier in Lipidomics

Partial Spectra DB is a dynamic, open-access spectral database tailored for lipids that are only *partially structurally annotated*—often overlooked in mainstream lipidomics. While mammalian lipids dominate most analyses and their MS/MS fragmentation pattern is usually well described, many other lipids exist in other biological systems/organisms which are less investigated, where their structures are only partly-annotated. Similarly epilipids ([learn more](#)), reveal fascinating substructures in MS/MS spectra but remain incomplete.

Built by and for the lipidomics community, Partial Spectra DB allows interactive exploration of curated spectra, annotated fragment ions, and metadata-rich entries. Users can search by precursor/product ions or neutral loss, and download spectra for seamless integration into analysis pipelines.

Originally conceived in 2022 and shaped by collaborations from the LIPID MAPS and EpiLipidNET communities, Partial Spectra DB empowers discovery of novel lipid species from across biological kingdoms.

 Do you have partially identified spectra? **Contribute your data** [\[via the submission page\]](#)! Help expand this growing resource and deepen our collective insight into lipid diversity and its implications for health and disease.

Explore the Partial DB here

Upcoming Conferences and Events

4th International Lipidomics Society (ILS) Conference

Join leading experts and researchers from around the world to explore the latest breakthroughs in Lipidomics. This conference offers a unique platform to share cutting-edge research, engage in stimulating discussions, and build valuable connections within the global Lipidomics community. Don't miss this exciting opportunity to shape the future of lipid science in a vibrant, collaborative environment.

Registration Link: <https://ilsconf2025madrid.com/registration>

Event Details

Date: Oct 28 -31, 2025

Venue: Madrid, Spain

20th GERLI international lipid meeting - Lipids in cell structures and metabolism

This highly anticipated event in the lipid biosciences community will bring together leading researchers to discuss the latest advancements in lipid biology in various organisms. A large diversity of topics will be covered including Advanced Approaches for Lipid Research, Lipid Cellular Functions, Lipids in Autophagy, Membrane Biophysics and Membrane Contact Sites, and Lipids in Metabolism and Cancer.

Registration Link: <https://www.gerli.com/congres/welcome-to-gerli-20th-lipid-meeting/>

Event Details

Date: Nov 3-5, 2025

Venue: Conference Hall CCI Campus Alsace, Strasbourg

SAVE THE DATE: EpiLipidNET Algae & Plant Lipidomics Interest Group

Further information to follow.

The webinar will start at 7 AM PST / 10 AM EST / 3 PM GMT / 4 PM CET / 5 PM IST and will last 1 h.

To receive updates regarding the webinars and the activities of the Algae & Plant Lipidomics Interest Group, please [sign up](#) to the mailing list.

Registration Link: TBC

Event Details

Date: Nov 20, 2025

Venue: Online – TEAMS

Inserm Lipidomics Workshop: Lipidomics: principles and applications in the field of health

The workshop has a varied program, that will address the analytical challenges of our field, illustrated by concrete applications. You will have the opportunity to engage with a panel of international experts over two days, who will share their knowledge and expertise with you.

The program is comprehensive and provides a great overview of lipidomics in health, and the prices are very competitive providing excellent value for money!

Event Details

Date: Dec 1-3, 2025

Venue: Hôtel Mercure Bordeaux Chartrons

Registration Link: <https://ateliersinserm.dakini-pco.com>

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