

2nd general EpiLipidNET meeting
23-24th September 2021
On-line (time according to CET)

23 September	
https://us02web.zoom.us/j/88179148278?pwd=SDhSbGc0Ky9ReXJrQzZPVmM0Y21pdz09 Meeting ID: 881 7914 8278; Passcode: 298363	
13:00 – 13:15	Welcome and EpiLipidNET updates <i>Rosario Domingues, University of Aveiro, Portugal</i> <i>Maria Fedorova, Membrane Biochemistry and Lipid Research, TU Dresden, Germany</i>
Session WG1: Harmonization of lipidomics workflows to increase natural lipidomes coverage	
13:15 – 13:30	Overview of WG1 activities and plans <i>Justine Bertrand-Michel, INSERM, France</i> <i>Michal Holcapek, University of Pardubice, Czech Republic</i>
13:30 – 14:10	Human Blood Plasma Lipidomics – Reference materials and biological reference ranges <i>Marcus Wenk, Federico Torta, and Amaury Cazeneuve-Gassiot, Singapore Lipidomics Incubator (SLING), Singapore</i>
14:10 – 14:30	Plant and Algae lipidomics – challenges and future perspectives <i>Juliette Jouhet, Cell & Plant Physiology Laboratory, University of Grenoble Alpes, France</i> <i>Rosario Domingues, University of Aveiro, Portugal</i>
14:30 – 14:45	An ODD story of lipids in the ocean in response to viral infection of <i>Emiliania huxleyi</i> <i>Carmit Ziv, Agricultural Research Organization, Israel</i>
14:45 – 15:15	Lipid biology of the transition from growth to developmental quiescence in the nematode <i>C. elegans</i> <i>Sider Penkov, Membrane Biochemistry and Lipid Research, TU Dresden, Germany</i>
15:15 – 15:30	Break
15:30 – 16:00	Functional lipidomics sheds light on diabetic neuropathy <i>Xianlin Han, Barshop Institute for Longevity and Aging Studies, University of Texas Health San Antonio, USA</i>
Session WG2: Epilipidomics analysis and data integration strategies	
16:00 – 16:15	Overview of WG2 activities and plans <i>Laura Goracci, University of Perugia, Italy</i> <i>Pedro Domingues, University of Aveiro, Portugal</i>
16:15 – 16:45	Analytical solution to untangle the diversity of modified lipids in biological samples <i>Ingela Lanekoff, Department of Chemistry, Uppsala University</i> <i>Katyneny Manuela Da Silva, Toxicological Centre, University of Antwerp</i>
16:45 – 17:15	Computational solutions for epilipidomics <i>Robin Schmid, University of California, San Diego, USA</i> <i>Zhixu Ni, Membrane Biochemistry and Lipid Research, TU Dresden, Germany</i>
17:15 – 17:45	Challenges & needs to improve the biological interpretation of epilipidomics/oxylipin signature <i>Cécile Gladine, French National Institute for Agriculture, Food, and Environment, France</i> <i>Karol Parchem, Gdansk University of Technology, Poland</i>
17:45 – 18:00	Food lipidomics <i>Zipora Tietel, Gilat Research Center, Israel</i>

24 September	
https://us02web.zoom.us/j/83527451864?pwd=aWh4Y3RaU1pTVGJudW1xVndoSVJSdz09 Meeting ID: 835 2745 1864; Passcode: 189733	
Session WG3: Clinical significance and applications of (epi)lipidomics	
10:00 – 10:20	Overview of WG3 activities and plans <i>Matej Orešič, Örebro University, Sweden</i> <i>Margrét Þorsteinsdóttir, University of Iceland, Iceland</i>
10:20 – 10:45	Clinical Lipidomics: standardization and applications <i>Martin Giera, Leiden University Medical Center, The Netherlands</i>
10:45 – 11:00	Metabolic signatures across the full spectrum of non-alcoholic fatty liver disease <i>Aidan McGlinchey, School of Medical Sciences, Örebro University, Örebro, Sweden</i>
11:00 – 11:15	Non-alcoholic fatty liver disease - Stratification by Liver Lipidomics <i>Olga Vvedenskaya, MPI CBG, Dresden, Germany</i> <i>Tim Daniel Rose, Technical University of Munich, Germany</i>
11:15 – 11:30	The endocannabinoid system in first episode psychosis and related co-morbidities <i>Alex Dickens, University of Turku, Finland</i>
11:30 – 11:45	The impact of high-fructose diet and chronic stress on hepatic lipid metabolism in animal model of fatty liver <i>Nataša Veličković, University of Belgrade, Serbia</i>
11:45 – 12:00	Implementation of clinical lipidomics: breast cancer <i>Finnur Freyr Eiriksson, University of Iceland, Iceland</i>
Session of Early Career Investigator Committee	
12:00 – 12:10	Overview of the ECI committee activities <i>Tomáš Pluskal, Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Czech Republic</i>
12:10 – 12:20	Summary of the ECI summer conference <i>Karol Parchem, Gdansk University of Technology, Poland</i>
12:20 – 12:30	Unveiling of the official EpiLipidNET video <i>Patricia Prabutzki, University of Leipzig, Germany</i>
12:30 – 14:00	Lunch break
Session WG4: Integration of (epi)lipidomics with lipid signaling and mechanisms of action	
14:00 – 14:15	Overview of WG4 activities and plans <i>Florian Gruber, Medical University of Vienna, Austria</i> <i>Egon Willighagen, Maastricht University, Netherlands</i>
14:15 – 14:30	First steps in community curation of lipid metabolic pathways <i>Matthew Conroy, LIPID MAPS, Cardiff University, UK</i>
14:30 – 14:45	Curation of lipid pathways: WikiPathways' data and curation tools <i>Egon Willighagen, Maastricht University, Netherlands</i>
14:45 – 15:00	Bioactive lipids of seaweeds <i>Elisabete Costa, University of Aveiro, Portugal</i>
15:00 – 15:15	(Lyso)Lipid signaling <i>Thomas Duflot, CHU-Rouen, France</i>
15:15 – 15:30	Quantification of skin lipids in childhood cancer survivors <i>Lukáš Opálka, Charles University, Hradec Kralove, Czech Republic</i>
15:30 – 15:45	Modified lipids and lipid-protein adducts as pro-inflammatory markers in obesity <i>Patricia Prabutzki, University of Leipzig, Germany</i>
15:45 – 16:00	Sebaceous gland and lipid barrier <i>Emanuela Camera, San Gallicano Dermatological Institute Rome, Italy</i>
16:00 – 16:15	Development of membrane models mimicking the NE in healthy aging <i>Maria Sarmiento, University of Lisbon, Portugal</i>
16:15 – 16:30	Break

16:30 – 17:00	Introduction of EpiLipidNET Experts MAP on-line platform <i>Maria Fedorova</i> , Membrane Biochemistry and Lipid Research, TU Dresden, Germany
17:00 – 17:30	Updates from Communication and Dissemination Group, STSM and ITC Managers
17:30 – 18:00	Closing