



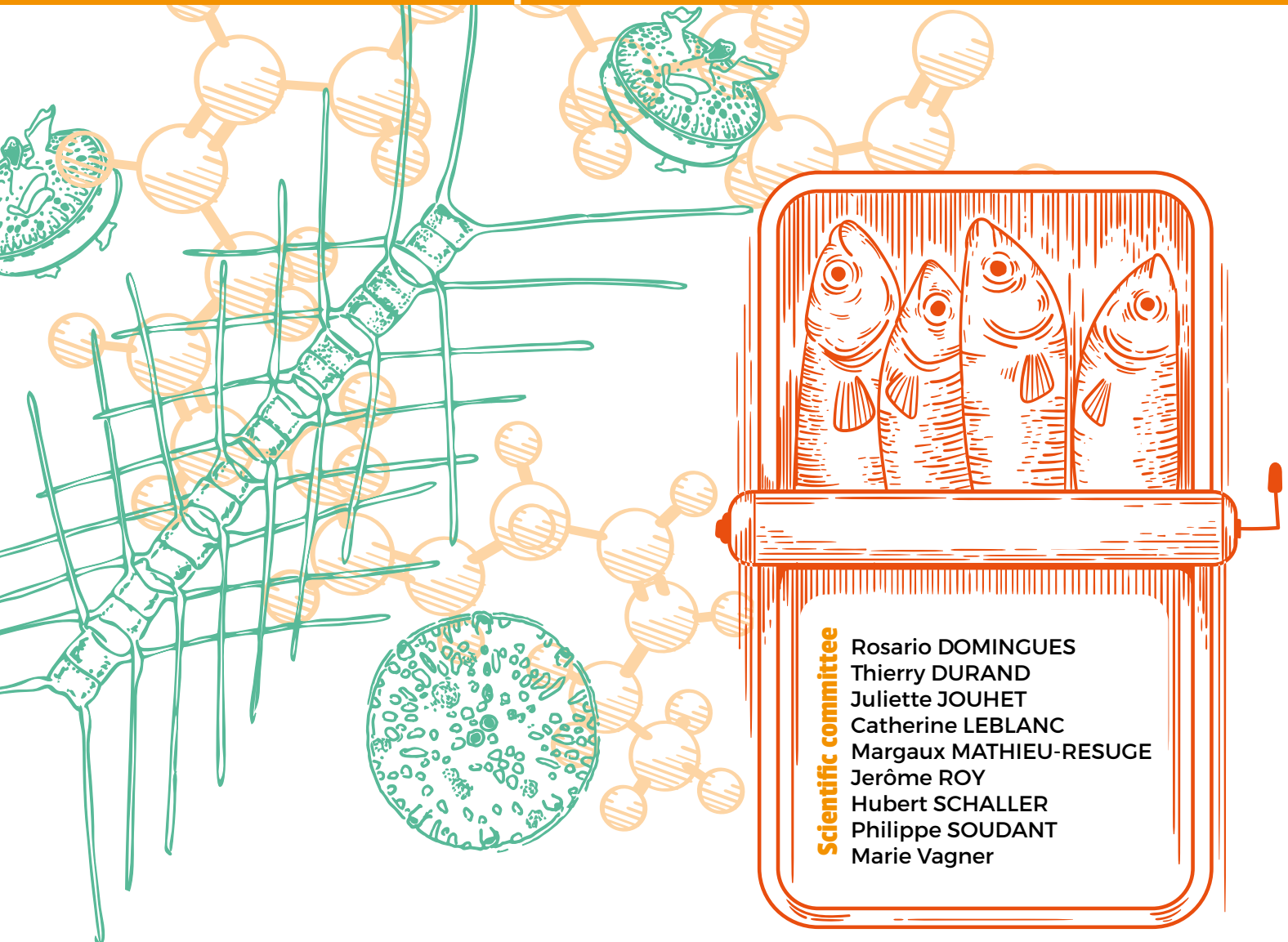
19th GERLI International Lipidomics meeting

From sea to fork

Lipidou: eus ar mor d'ar fourchetez

IUEM, Brest

23-26 september 2024



GERLI 2024

Lipids: from Sea to fork

Session 1 : Structural diversity of lipids from summits to deep sea

- 1.1 | Glycolipids, galactolipids in plants and algae
- 1.2 | Structures and biophysics of membrane lipids
- 1.3 | Ether lipids
- 1.4 | Chemical biology

Invited speakers: E. Schneck (DE), S. Coffinet (FR)

Session 2 : Roles/functions of lipids and derivatives

- 2.1 | In microalgae / plants physiology
- 2.2 | In fish and shellfish physiology
- 2.3 | In terrestrial organisms
- 2.4 | In symbiotic/biotic interactions
- 2.5 | In cell signaling

Invited speakers: J.C Lee (HK), L. Hambleton (AT)

Session 3 : Lipid markers in trophic ecology : promises and dead ends

- 3.1 | Marine ecosystem
- 3.2 | Freshwater ecosystem
- 3.3 | Terrestrial ecosystem

Invited speakers: A. Bec (FR), G. Schaal (FR)

Session 4: Lipids in their socio-economic context and legal boundaries

- 4.1 | Reglementary and legal aspects of novel food and GMO in Europe
- 4.2 | Traceability of oils and sanitary and economical issues
- 4.3 | Wild marine products vs cultivated products
- 4.4 | Social perception / representation of omega 3 rich products : benefits vs risk
- 4.5 | Relationship between economic and health allegation
- 4.6 | Local Interdisciplinary project OMEGA

Invited speakers: A. Rodrigues (PT), F. Daurès (FR)

Session 5: Environmental/climatic and supply issues of omega 3

- 5.1 | Influence of global changes on primary production of omega 3 (fresh and marine waters)
- 5.2 | Pros and cons for aquaculture as a supplier of omega 3 for human consumption
- 5.3 | Small pelagic fish dynamic and omega 3 supply / Fisheries issues for lipid supply
- 5.4 | Seed and single cell oils as alternative to fish oil

Invited speakers: F. Beaudoin (UK) J. Roy (FR)

Session 6: GERLI/SFN: Marine lipids and nutrition

- 6.1 | Supply forms (PL, TAG, EE) of LC n-3 PUFA and related health benefits
- 6.2 | Phytosterols and cholesterol metabolisms
- 6.3 | Marine lipids in disease prevention and immunity
- 6.4 | Good marine lipids for one health and for nutraceutical and cosmetic applications

Invited speaker: J. Delarue (FR), M. Linder (Fr)

Session 7 : New progress in lipid methodology

- 7.1 | Targeted and non targeted analytic development
- 7.2 | Lipase activity/influence through storage, processing and extraction
- 7.3 | Fluxomic and metabolomics of lipids
- 7.4 | Data mining, bio-informatics and modeling for lipid metabolisms

Invited speakers: F. Rey (PT), A.P. Alonso (US)

Pre-program

	Monday 23	Tuesday 24	Wednesday 25	Thursday 26
8h45		SESSION 2 Invited speaker	SESSION 4 Invited speaker	SESSION 7 Invited speaker
9h30				
10h30		Coffee break	Coffee break	Coffee break
11h00		Poster session	Poster session	
11h30				
12h00	Opening Registration			
12h15				Closing
12h30		Lunch	Lunch	Lunch
14h00	SESSION 1 Invited speaker	SESSION 3 Invited speaker	SESSION 5 Invited speaker	
14h45	Awards			
15h15				
15h45	Coffee break	Coffee break	Coffee break	
16h15			SESSION 6 Invited speaker	
17h00		GERLI assembly		
17h15	Flash poster session			
18h00	Bus transportation to the port and boarding	Commuting to the Ateliers des Capucins on your own		
18h30				
19h00	Boat trip (until 20h30)	Gala dinner (until midnight)	Gathering at the bar	

Conference venue

Finistère: «The end of the land»

The conference will take place at [European Institute for Marine Studies \(IUEM\)](#) of the University of Brest

Location of the Institute

IUEM, rue Dumont d'Urville, 29280 Plouzané

Public transportation

0.8 euros/day/person; Shuttle can be booked (a month ahead) if needed to commute downtown.

Accommodation

There are a multitude of accommodation option available in Brest. Numerous hotels ranging from 1 to 4 stars are located in Brest, with prices ranging from €50 to €150 per night. Rooms for students are also available in the center of Brest.

We recommend staying in area close to a train station to commute easily between conference venue and the city of Brest.

Get to know Brest

[Brest](#) is a metropolis of 400,000 inhabitants, a tourist area as much as a living basin. The city and its outskirts boast many attractive facilities and points of interest, including [Océanopolis](#), [70.8](#), the [Ateliers des Capucins](#) linked to the city center by France's first urban cable car, and the [Conservatoire Botanique National](#) de Brest. The city was recently classified as a "Ville d'art et d'histoire" (City of Art and History). Innovative and open to the world, Brest stands out from other French cities for its links with the marine environment, as well as its cutting-edge marine science and technology sector. In fact, it was from the port of Brest that great explorers set out to discover new worlds: La Pérouse, Kerguelen, Bougainville... Brest has a TGV station in the city center and an international airport close to the city center, with a shuttle and tramway service. [Brest Bretagne international airport](#) offers a number of international flights and a wide choice of flights via Paris (Orly or Charles de Gaulle).

