iMPULSE DAYS

Monday, November 9, 2026
Amphitheatre A, ENSIC

BIOACTIVE AND BIOFUNCTIONAL PEPTIDES

Conference guide

Type of oral communication

Plenary presentation: 30 min + 5 min of questions
Keynote presentation: 20 min + 5 min of questions
Oral presentation: 10 min + 3 min of questions

08:00 – 09:00: Welcome participant
09:00 – 09:10: Launch of the conference by Laetitia CANABADY-ROCHELLE (3 min), research scientist at CNRS and Loubna FIRDAOUS (7 min), Professor at Université de Brest (UBO)

SESSION 1: Bioactive peptides: application and opportunities

Moderators: Loubna FIRDAOUS, UBO, Quimper and Christelle MATHE, UL, Nancy

09:00 – 09:35	**Plenary Presentation** Thomas DELACOURT, Innovation and Marketing Manager, Entreprise Copalis, Scogal group *From marine co-products to high-value bioactive peptides: enzymatic hydrolysis as a gateway to functional and health-promoting ingredients*
09:35 – 10:00	**Keynote Presentation**, Rozenn RAVALLEC, Université de Lille *Why are BAPs an opportunity for the valorization of food proteins?*
10:00 – 10:13	**Presentation**, Zeeshan HAFEEZ, Université de Lorraine, Nancy *Anti-inflammatory activity of casein-derived peptide fraction generated by PrtS purified from S. thermophilys LMD-9-Asrt*
10:15 – 11:00	**Coffee Break & Posters**
11:00 – 11:13	**Presentation**, Mathias SCRIVE, Université de Lille, Lille *Impact of fermentation media on nisin A biosynthesis and supernatant biochemical complexity*
11:15 – 11:28	**Presentation**, Ronagul TURGANOVA, *Université de Lorraine, Nancy* *Release of bioactive peptides from Tenebrio molitor proteins during simulated gastro-intestinal digestion*
11:30 – 11:43	**Presentation**, Sophie BEAUBIER, *Université de Lorraine, Nancy*

	Production and characterization of iron-chelating antioxidant peptides from rapeseed meal proteins
11:45 – 12:00	**Presentation**, Christelle MATHE, *Université de Lorraine, Nancy* *Bioactivities of gelatin hydrolysates produced from Red Tilapia (Oreochromis spp.) scale byproducts*

12:00 – 13:30 Lunch break

SESSION 2: Screening, separation and identification of bioactive and biofunctional peptides at different scales (analytical, preparative and industrial)

Moderators:
Romain KAPEL, Université de Lorraine, Nancy as SFGP working group representative and François KRIER, UdL
Plenary chair: Laetitia CANABADY-ROCHELLE, CNRS, Nancy

13:30 – 14:05	**Plenary Presentation** Dick FITZGERALD, Full Professor emeritus, Food Proteins and Peptides Research Group, University of Limerick, Ireland *Release and characterisation of food protein-derived bioactive peptides*
14:05 – 14:18	**Presentation**, Alexandre WEBER, Université de l'Artois, Arras *A combined experimental and computational strategy for the analysis of ultra-short peptides (UPSs)*
14:20 – 14:33	**Presentation**, Tessa VAN DER OOST, Université de Lorraine, Nancy *Bioinformatic approach for the discovery of metal-chelating peptides: validation of the in silico enzymatic hydrolysis step*
14:35 – 14:48	**Presentation**, Amine NEKKAA, Université de Lorraine, Nancy *Purification strategy for bioactive nisin from Lactococcus lactis using optimized ion exchange chromatography*
15:00 – 15:30	**Break**

SESSION 3: Chemistry design of bioactive and biofunctional peptide

Moderators: Loic STEFAN, Research scientist, CNRS, Nancy and Charaf JAMA, ECL, Lille

15:30 – 16:05	**Plenary Presentation** Olivier LUDEMANN-HOMBURGER, Entreprise Polypeptide, Strasbourg *Green chemistry and process Intensification for Peptide Manufacturing: Meeting the growing market demands*
16:05 – 16:30	**Keynote Presentation**, Sophie FAURE, Research Director, Institute of Chemistry, Université Clermont Auvergne *From Antimicrobial Peptides to Cationic Peptoid Foldamers: A Bio-inspired Strategy for targeting planktonic and sanctuarized bacteria.*
16:30 – 16:43	**Presentation**, Souleymane SARR, *Université de Lorraine, Nancy* *Design of new peptide vectors for photodynamic therapy of pancreatic cancer.*
16:45 – 16:58	**Presentation**, Line BOUREL, Université de Strasbourg, Strasbourg *A straightforward synthetic route toward lipocyclopeptides. Application to antifungal fluorescent echinocandins*
17:00 – 17:13	**Presentation,** Mathilde POULET, Université de Nantes, Nantes *Photocontrolled hERG Channel Blockade by Diazirine Integrated into BeKm-1 Pharmacophore*

17:15 – 17:30: Break before poster and presentation prize announcement

SESSION 4: Poster & presentation prize announcement

Reviewers: Katalin SELMEZCI, UL, Nancy, Franceline REYNAUD, UL, Nancy,
And Aurélie MATEOS, Université Artois, Lille

17:30-17:45: Review and concluding of the conference

Prize announcement by the Jury of the conference

Conference summary by Loubna FIRDAOUS (3 min), Professor at Université de Quimper

Presentation of the Special Issue in Food Bioscience by Laetitia CANABADY-ROCHELLE

Promotion of the International Symposium for Food Peptides and Proteins by Dick FITZGERALD, UL, Ireland (7 min)