

Program

Day 1 - June 27, 2024

Welcoming participants - From 08h30:

- 09h10-09h30: Opening of the days by **Prof. Franck Dumeignil, Vice-President of knowledge transfer and science-society link of Lille University, and directors of LAI LIAAN and Samba**
- 9h30-10h30: Introductory conference on Continuum in One Health by **Dr. Pascal Boireau, director of the Laboratory for Animal Health at Maison Alfort, ANSES**

10h15-10h30: **Coffe break**

Session 1. ENVIRONNEMENT AS PART OF ONE HEALTH

Moderators: Prof. Lucie Beaulieu and Prof. Ali Siah

- 10h30-11h00: Keynote lecture - Oral bioaccessibility of metal(loid)s in soils as a relevant indicator for the health-environment link. **Dr. Aurélie Pelfrêne, LgCGE, University of Lille, France**
- 11h00-11h30: Keynote lecture - The role of agricultural practices in rhizobacteria recruitment. **Prof. Thiago Gumiere, Laval university, Québec**
- 11h30-11h45: Unveiling potential antimicrobial peptides in dairy wastewater: Enzymatic hydrolysis of milk proteins for the generation of bioactive peptides. **Diala Damen, Laval University, Québec**
- 11h45-12h00: Peptide migration and fraction antimicrobial activities are modulated by electric current conditions during electro dialysis with ultra ltration membrane: a comprehensive machine learning-peptidomic study. **Aurore Cournoyer, Laval University, Québec**
- 12h00-12h15: Integrated assessment of the toxicological and ecotoxicological effects of phytopharmaceuticals used during potato cultivation – the TEPoT French research project results. **Sébastien Lemièrre, University of Lille, France**

12h15-15h00: **Lunch & poster session**

Session 2. PLANT AS PART OF ONE HEALTH

Moderators: Prof. Céline Rivière and Dr. Benoit Cudennec

- 15h00-15h30: Keynote lecture - Moulds and mycotoxins along the cereal value chain: from plant health to human health. **Dr. Jean-Michel Savoie, INRAe, Bordeaux, France**
- 15h30-16h00: Keynote lecture - Plant-microbes interactions in One Health. **Prof. Marc-André Selosse, MNHN, France**
- 16h00-16h15: Microbial endophytes from Isatis tinctorial for the production of specialized metabolites. **Nathalie Jullian, University of Picardie Jules Verne, France**

16h15: **Coffe break**

- 17h00-17h30: Keynote lecture - Mycorrhizae, potential players in the agroecological transition? **Prof. Anissa Lounès, University of Littoral Côte d'Opale, France**
- 17h30-17h45: Exploring the bioactive effects and functional properties of peptides derived from brewer's spent grain proteins. **Eya Rouissi, Laval University, Québec**
- 17h45-18h00: New Fungicidal Candidates: Towards an innovative high-throughput screening approach for biological control. **Violette Hamers, University of Lille, France**

18h00: **Wine & cheese**

Day 2 - June 28, 2024

Welcoming participants - From 08h30

Session 3. ANIMAL AS PART OF ONE HEALTH

Moderators: Dr. Anca Lucau and Prof. Luís Augusto Nero

- 09h00-09h30: Keynote lecture - Antimicrobial resistance in the production chain of animal origin foods.
Prof. Luis Nero, Federal University of Viçosa, Brazil
- 09h30-10h00: Keynote lecture - Inputs of Lactic Acid Bacteria and their Bacteriocins in a One Health Approach.
Dr. Yanath Belguesmia, University of Lille, France
- 10h00-10h30: Keynote lecture - Proteogenomix and metaproteomics in an animal health context.
Dr. Thibault Dumas, CEA, Aix-Marseille University, France
- 10h30-10h45: Probiotics and their derivative preparations as nature-based Solutions for One Health advancements.
Dr. Hary Raza ndralambo, University of Liège, Belgium

10h45: **Coffee break**

Session 4. HUMAN AS PART OF ONE HEALTH

Moderators: Prof. Rozenn Ravallec and Prof. Eric Biron

- 11h15-11h45: Keynot lecture - Host-Microbiota interaction: a personalized point of view. **Dr. Benoit Chassaing, Insitut Cochin, France**
- 11h45-12h00: Antifungal metabolites from *Streptomyces* sp. as potential biomolecules to combat multi-resistant *Candida* sp. responsible of vaginal candidiasis. **Rado Rasolomampianina, CNRE, Madagascar**
- 12h00-12h15: Valorizing Belgian endive co-products for antioxidant ingredient Innovation. **Pauline Bruniaux, University of Lille, France**

12h15-13h45: **Lunch**

- 13h45-14h15: Keynot lecture - Potential of pomegranate mesocarp extracts to mitigate diabetes : the molecular nutrition journey.
Prof. Theeshan Bahorun, MRIC, Ile Maurice
- 14h15-14h45: Keynote lecture - Microbiome engineering for food biopreservation. **Dr. Frédéric Borges, Lorraine University, france**
- 14h45-15h00: Antibiotic resistance in a One Health perspective: from animal to the plant. **Geertrui Rasschaert, ILVO, Belgium**
- 15h00-15h15: Screening of mineral-chelating capacities of enzymatic milk protein hydrolysates using high throughput experimentation. **Océane Yapo, University of Lille, France**

15h15: **Coffee break**

Closing session: MULTIDIMENSIONAL APPROACH OF THE ONE HEALTH CONCEPT

- 15h45-16h15: Keynote lecture - Leuven One Health – operationalizing One Health at the university level.
Dr. Robbert Boudewijns, KU LEUVEN, Belgium
- 16h15-16h45: Keynote lecture - Learning networks : a different take on One Health Intelligence.
Dr. Nicolas Antoine-Moussiaux, Faculty of Veterinary Medicine, University of Liege, Belgium

COLSING OF THE CONFERENCE & AWARDS CEREMONY - From 16h45

19h00: **Gala Dinner**