

5th EUROPEAN SUMMER SCHOOL IN NUTRIGENOMICS

June 18-21, 2024

Hotel City, Lungomare Dante Alighieri 14, 60019 Senigallia (AN), Italy

18 June 2024 – 14:30-18:30

14:00-14.45 Registration

14:45-15:00 Welcome

Chairs: Rosita Gabbianelli and Michael Muller

Introduction to nutri-epigenomics: new discoveries for healthy life

15:00-15:40 **Wim Vanden Berghe**, *(Mitochondrial) Metabolism versus nutriepigenome: chicken or egg?* Department of Biomedical Sciences, University Antwerp, Belgium

15:40-16:20 **Melita Vidakovic**, *Nutri-epigenomics: Lessons Learned, Limitations Defined and Perspectives to be setup*, Institute for Biological Research, Belgrade, Serbia

16:20-16:50 Coffee break

16:50-17:30 *Speed-talks (part 1)[25 people – 1 min each]* [15 from poster session 1+ 10 from poster session 2]

17:30- 18.30 Poster session 1 [15 poster]

19:00 Welcome party and networking at Scalo Zero Pizzeria

21:15 Discover Senigallia

19 June 2024 – 9:00 -18:00

Chairs: Laura Bordoni and Carsten Carlberg

2. Environmental epigenetics: from early life to aging

9:00-9:40 **Torsten Plosch**, *Early programming by an adverse environment - from mouse models to first human data*, Dept. Obstetrics and Gynaecology, Groningen, The Netherland

9.40-10.20 **Louise Harvey**, *Fueling the future: Nutritional Programming of Later Life Health*, Nutrition Metabolism and Functional Nutrients Medical and Nutritional Science, Nutricia Research, Utrecht, Netherlands

10:20-10:50 Coffee break

10:50-11:20 Speed talk (part 2) [20 people - 1 min each] [from poster session 2]

11:20-12:20 Poster session 2 [30 poster]

12:30 Lunch at Hotel City

14:00-15:00 *Poster session 2*[30 poster]

15:00-15:40 **Carlos Guerrero Bosagna**, *Metabolic and Reproductive Diseases: Role of Early Life Exposures and Epigenetic Changes*, Department of Organismal Biology, Physiology and Environmental Toxicology, Uppsala University, Uppsala, Sweden

15:40-16:20 **Ferdinand Von Meyenn**, *Reading health and nutrition history in the epigenome*, Laboratory of Nutrition and Metabolic Epigenetics, Institute for Food, Nutrition and Health, Department of Health Sciences and Technology, ETH Zurich, Zurich, Switzerland

16:20-16:50 Coffee break

17:10-17:30 selected oral talk 1

17:30-18:00 Speed talk (part 3) [15 people - 1 min each] [from poster session 3]

20 June 2024 – 9:00 -17.00

Chairs: Rosita Gabbianelli and Torsten Plosch

1. Nutrigenomics and gut microbiota

9:00-9:40 **Michael Müller**, *The impact of nutrition and the role of the gut microbiota for the gut-brain axis*, University of East Anglia, Norwich, United Kingdom

9:40-10:20 **Ina Bergheim**, *Nutrition, intestinal microbiota and barrier as modulators of the development of liver diseases*, Department of Nutritional Sciences, University of Vienna, Austria

10:20-10:50 Coffee break

10:50-11:30 Speed talk (part 4) [15 people - 1 min each] [from poster session 3]

11:30 Group Photo

11:45 -12:15 *Poster session 3*[30 poster]

12:30 Lunch at Hotel City

14:00 -15:00 *Poster session 3*[30 poster]

15:00-15:40 **Omry Koren**, *The role of the microbiome in the first 1000 days of life*, Azrieli Faculty of Medicine, Bar-Ilan University, Safed, Israel

15:40-16:00 *Selected oral talk 2*

16:00-16:20 *Selected oral talk 3*

16:20-16:50 Coffee break

17:00 Visit to the Casalfarneto winery and social dinner

21 June 2024 – 9:00-11:30

Chairs: Melita Vidakovic and Wim Vanden Berghe

4. Nutrigenomics in longitudinal large-scale studies

9:00-9:40 **Carsten Carlberg**, *In vivo responses to vitamin D: impact of the response index*, Institute of Animal Reproduction and Food Research, Polish Academy of Sciences in Olsztyn, Olsztyn, Poland

9:40-10:20 **Valentina Domingues**, *Endocrine disruptors and food safety-a temporal perspective*, REQUIMTE/LAQV, ISEP, Polytechnic of Porto, Portugal.

10:20-10:50 Coffee break

10:50-11:10 *Selected oral talk 4*

11:10-11:20 *Selected oral talk 5*

11:20-11:40 *Selected oral talk 6*

11:40-12:00 *Selected oral talk 7*

12:00-12:10 Best Poster award

12:15 Farewell