

**PROGRAMME: eNUGOweek 2021, 6-8th of September**



**Immuno-nutrigenomics: How to feed the immune system**

**6th of September, 2021: Immunometabolism – From mechanisms to human interventions**

start	end		
13:00		<b>CHAIRS: Stine Ulven, Michael Müller</b>	
		<b>Prof. Michael Müller</b>	Opening and welcome to the NuGO week 2021
13:15	13:45	<b>Dr. Quirijn de Mast</b> (Radboud UMC, NL)	<b>Fibre-poor Western diets fuel inflammation</b>
13:45	14:15	<b>Dr. Rinke Stienstra</b> (Wageningen University & Research, NL)	<b>Environmental Signals Influencing Immunometabolism in Diabetes</b>
		<b>14:30 15min-BREAK</b>	
14:30	15:00	<b>Prof. Matthias B. Schulze</b> (DIFE, DE)	<b>Global pandemics interconnected — Obesity, impaired metabolic health and COVID-19</b>
15:00	15:30	<b>Prof. Ana M Valdes</b> (University of Nottingham, UK)	<b>Microbiome composition as a mediator of the link between diet and systemic inflammation: the PREDICT studies</b>
		<b>16:00 30min-BREAK</b>	
16:00	16:30	<b>Prof. Bente Halvorsen</b> (University of Oslo/Oslo University Hospital, NO)	<b>Non-resolving inflammation in CVD.</b>
16:30	P1	<b>Marta Lo Conte</b> , (IRCCS San Raffaele Scientific Institute, IT)	An anti-inflammatory diet enriched in omega-3 and inulin prevents Type 1 Diabetes by restoring mucus barrier integrity
16:45	P2	<b>Sirma Todorova Angelova</b> , (Medical University-Varna, BG)	Frequency of proteins intake in association with some inflammatory salivary markers among children with plaque-induced gingivitis
17:00	P3	<b>Gaïa Lépine</b> , (Université Clermont Auvergne, INRAE and Université Paris-Saclay, INRAE, FR)	Multi-omics phenotyping highlights organ-specific metabolic and inflammatory shifts associated with differential plant and animal protein intake in high fat fed rats
17:15	17:45	<b>Introduction of new NuGO members</b>	
<b>18:30</b>	<b>19:30</b>	<b>Networking event for ALL NUGO participants</b>	

## 7th of September, 2021: How to feed the immune system – role nutrients and food bioactives for the immune system

start	end		
8:30	9:50	<i>ECN breakfast meeting</i>	<i>organized by the ECN board</i>
10:00		<b>CHAIRS: Lydia Afman, Manuel Suarez Racio</b>	
10:10	10:40	<b>Prof. Andrew Macpherson</b> (University of Bern, CH)	<b>Nutritional effects on microbiota evolution</b>
10:40	11:10	<b>Prof. Philip Calder</b> (University of Southampton, UK)	<b>Role of micronutrients for the immune system and COVID-19</b>
	<b>11:30</b>	<b>20 min BREAK</b>	
11:30	12:00	<b>Prof. Jason Matthews</b> (University of Oslo, NO/ University of Toronto, CA)	<b>The aryl hydrocarbon receptor: an environmental sensor integrating immune responses in health and disease</b>
12:00	<b>P4</b>	<b>Dr. Grégory Pimentel</b> (Agroscope, CH)	Feeding germ-free pregnant mice with a fermented dairy product activating the Aryl hydrocarbon receptor increases postnatal intestinal group 3 innate lymphoid cells in pups.
12:15	<b>P5</b>	<b>Dr. Dieuwertje Kok</b> (Wageningen University & Research, NL)	The impact of folate biosynthesis by <i>Lactobacillus plantarum</i> on colonic health in mice
	<b>13:00</b>	<b>30 min Lunch-BREAK</b>	
13:00	14:00	<b>Interactive posterpresentation</b>	
14:00	<b>P6</b>	<b>Theresa Wolfram</b> (Friedrich Schiller University Jena, DE)	The role of selenium during the LPS-induced immune response of monocytes and macrophages
14:15	<b>P7</b>	<b>Dr. Eva Rath</b> (Technische Universität München, DE)	Mucosal healing upon metabolic injury is orchestrated by a complex regulation of intestinal epithelial cell metabolism
14:30	<b>P8</b>	<b>Aryana Zardkoohi-Burgos</b> (Quadram Institute Bioscience, UK)	Exploring the effect of a pea-rich diet on the human gut barrier function
14:45	<b>P9</b>	<b>Laura Bordoni</b> (University of Camerino, IT)	Diet, trimethylamine metabolism and mitochondrial DNA: an observational study
	<b>15:20</b>	<b>20 min BREAK</b>	
15:20	15:50	<b>Prof. Christoph Wilhelm</b> (University of Bonn, DE)	<b>Fasting as an essential regulator of immune responses</b>
15:50	<b>P10</b>	<b>Harry Freitag Luglio Muhammad</b> (Maastricht University, NL)	The Effect of a Low Calorie Low Inflammatory Diet on Inflammation, Telomere Length and Mitochondrial DNA among Obese Adults.
16:05	<b>P11</b>	<b>Dr. Sonja Lackner</b> (Medical University of Graz, AT)	Personalized association of Aronia juice polyphenols and reduction in regulatory T-cell frequencies: Results of a randomized placebo-controlled human intervention study
16:20	16:50	<b>Prof. Simin Meydani</b> (Tufts University, USA)	<b>Impact of fruit and vegetable intake on immune and inflammatory responses: Implication for health- and life-span</b>

**8th of September, 2021: Nutrigenomics (precision nutrition) of the immune system / inflammation**

<b>start</b>	<b>end</b>		
<b>10:00</b>		<b>CHAIRS: Rosita Gabbianelli and Guy Vergeres</b>	
10:10	10:40	<b>Prof. Helen Roche</b> (University College Dublin, IE)	<b>Regulating metabolic inflammation by nutritional modulation - A Nutrigenomics approach</b>
10:40	11:10	<b>Prof. Silvio Waschina</b> (University of Kiel, DE)	<b>Metabolic modelling of the nutrition- and gut microbiota-dependent immunometabolism in inflammation</b>
	<b>11:30</b>	<b>20 min BREAK</b>	
11:30	12:00	<b>Dr. Annie M. Curtis</b> (Royal College of Surgeons in Ireland, IE)	<b>Immunometabolism around the Clock</b>
12:00	<b>P12</b>	<b>Elaine Hillesheim</b> (University College Dublin, IE)	Use of metabotypes to deliver personalised dietary advice: preliminary results of a randomized controlled trial
12:15	<b>P13</b>	<b>Dr. Willem van den Brink</b> (TNO Microbiology & Systems Biology, NL)	Composite biomarkers of low-grade inflammation to evaluate lifestyle intervention effects
12:30	12:45	<b>Prof. Manuel Suarez</b> (Universitat Rovira i Virgili , ES)	Presentation of NuGOweek 2022
12:45	13:00	Goodbye	