

Programme young AGers symposium 2023

10th and 11th of October in Maastricht



Tuesday 10th October 2023

Time (CEST)	
09:00 – 10:00	Welcome, and opening talk by Prof. Casper Schalkwijk

Session 1	<i>Chair: Eline Berends</i>	
10:00 – 10:15	Fleur Jansen (WUR)	The effect of commercially available AGE-BSA on THP1 monocytes
10:15 – 10:30	Cresci-Anne Croes (WUR)	The impact of different glycation methods on the immunomodulatory effects of human serum albumin
10:30 – 10:45	Margarita Pencheva (UM)	Glyoxalase-1 overexpression attenuates arterial stiffness in a mouse model of diabetes
10:45 – 11:00	Discussion	

Break with traditional coffee and “Vlaai from Limburg”

Session 2	<i>Chair: Lisa Filipp</i>	
11:30 – 11:45	Slim Blidi (Abertay)	Effect of brewer's spent grain melanoidins on Maillard reaction products during simulated UHT treatment and storage of lactose-hydrolysed skimmed milk.
11:45 – 12:00	Marialena Chrysanthou (WUR)	Glycation of albumin inhibits amyloid beta aggregation less effectively and reduces albumin's protective effect against amyloid beta-induced inflammation.
12:00 – 12:15	Jil Schwarze (TUB)	Antioxidant and Prooxidant Properties of Fractions obtained from Coffee
12:15 – 12:30	Sandra Raaijmakers-Simons (OLVG)	Association between Advanced Glycation End Products in the diets of atopic women and Ovalbumin in their breast milk
12:30 – 12:45	Discussion	

Lunch break

Session 3	<i>Chair: Melanie Kwasnicki</i>	
13:30 – 13:45	Tatjana Rüger (TUB)	Methylglyoxal in the MAILLARD reaction: Characterisation of different model melanoidins
13:45 – 14:00	Akinrimisi Oluwatomisono (UMC)	Methylglyoxal, The Microbiome & Metabolic Diseases
14:00 – 14:15	Stephanie Treibmann (Dresden)	Reactions of Methylglyoxal during Digestion in a dynamic, in vitro model of the gastrointestinal tract
14:15 – 14:30	Stefanie Nass (UM)	Dietary methylglyoxal improves insulin sensitivity and vascular function in high-fat diet-induced type 2 diabetic mice



14:30 – 14:45	Leon Bork (TUB)	Non-Enzymatic Browning of Caffeic acid and Ferulic acid with short-chain α -dicarbonyl compounds
14:45 – 15:00	Discussion	

15:00 – 16:30	The future of the young AGers	
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At 18:00 there is a social event in the form of a dinner. More information will follow.

Wednesday 11th October 2023

Time (CEST)	
08:30 – 09:00	Walk-in

Session 4	Chair: Fleur Jansen & Margarita Pencheva	
09:00 – 09:15	Yajing Xie (WUR)	Protein glycation during the shelf-life of different types of commercial infant formulas
09:15 – 09:30	Heleen van der Hout (UM)	Development of Advanced Glycation Endproducts Derived from Different Sugar and Protein Sources and their Effects on Intestinal Cell Viability
09:30 – 09:45	Anna Hayes (USC-LA)	Early life consumption of a “processed” diet rich in advanced glycation end products impairs hippocampal function and alters the gut microbiome during adulthood in rats
09:45 – 10:00	Maximilian Baumann (TUB)	Investigation of pre-melanoidins formed by reactive key Maillard intermediates – Colorants and Antioxidants
10:00 – 10:15	Short break	
10:15 – 10:30	Melanie Kwasnicki (Dresden)	Formation and degradation of glycation compounds during beer production
10:30 – 10:45	Francesca Bruno (Abertay)	Mitigation of acrylamide formation in industrial potato crisp manufacturing
10:45 – 11:00	Xiaona Tian (Ghent)	Glucose addition and oven-heating of pork stimulate glycoxidation and protein carbonylation, while reducing lipid oxidation during simulated gastrointestinal digestion
11:00 – 11:15	Discussion	

Short break

11:30 – 12:30	Talk Dr. Jean Scheijen on measuring AGEs and all the struggles that might come with it. Interactive session with time for discussion, followed by a lab tour.	
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Lunch break

Session 5	Chair: Slim Blidi	
13:30 – 13:45	Anna Caroline da Silva Alves (São Judas Tadeu)	Relationship between advanced glycation end products and cognitive performance in adults



13:45 – 14:00	Daniko Sindunhata (AMC)	Associations between liver disease fibrosis and insulin resistance with dicarbonyl stress in severely obese individuals, in the BARIA cohort”
14:00 – 14:15	Eline Berends (UM)	Effect of dietary and endogenously formed methylglyoxal on brain microcirculation
14:15 – 14:30	Discussion	

Break

Session 6		Chair: Stephanie Treibmann
15:00 – 15:15	Paula Klügel (Dresden)	Scavenging Methylglyoxal – A new role of Creatine in vivo?
15:15 – 15:30	Matheus Nogueira (Lille)	Characterization of a bovine serum albumin model system for in vitro fortification of Nε-carboxymethyl-lysine
15:30 – 15:45	Lisa Filipp (Dresden)	Studies on the Metabolization of Dietary Amadori Products by Probiotic Bacteria
15:45 – 16:00	Michelle van Oeteren (UM)	Study design of the PYRAMID trial: The effect of <u>PYR</u> idox <u>A</u> mine supplementation on <u>M</u> icrovascular function in type 2 Diabetes: a double-blind randomized placebo-controlled crossover trial
16:00 – 16:15	Discussion	

16:15 – 16:30	Closing
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Mark your agenda:



16-19 September 2024 | MAASTRICHT | The Netherlands