



14TH EUROPEAN NUTRITION CONFERENCE FENS 2023, Belgrade, Serbia

Sava Center
14-17th November 2023



14th European Nutrition Conference Daily Programme for Oral Presentations

Tuesday 14th November 2023

Oral presentations

18:00 – 19:30

Hall A

Track: Dietary studies, guides and recommendations

Chairs: Demosthenes Panagiotakos, Harokopio University, Athens, Greece and Branislava Teofilovic, University of Novi Sad, Novi Sad, Serbia

DSGR1 Opportunities for food reformulation: Food texture and energy density affect dietary behaviour

Marlou Lasschuijt, Lise Heuven, Els Siebelink, Yong Chen, Ciarán Forde

DSGR2 Nutritional quality of dietary intakes as graded by the Nutri-Score nutrient profile and blood biomarker concentrations in a multi-country European context

Mélanie Deschasaux-Tanguy, Inge Huybrechts, Chantal Julia, Serge Hercberg, Elio Riboli, Mathilde Touvier, EPIC collaborators

DSGR3 Association between dietary fiber intake and *Escherichia coli* diversity and antibiotic resistance

Maïra Saperas-Ghezali, Mélanie Magnan, Karine Labadie, Olivier Tenaillon, Mathilde Touvier, Mathilde Lescat, Mélanie Deschasaux-Tanguy

DSGR4 Is thinness associated with poorer diet and nutrient intake and status in Danish 8-11-year-olds?

Anne Aurup, Katrine Strandberg-Larsen, Rikke Andersen, Anja Biloft-Jensen, Lotte Lauritzen, Camilla Damsgaard

DSGR5 Two gold kiwifruit daily for effective treatment of constipation in adults—A randomised clinical trial with multi-omics approach

Simone Bayer, Diana Cabrera, Caterina Carco, Karl Fraser, Wayne Young, Richard Geary, Nicole Roy

DSGR6 Effect of obesity prevalence on vitamin c intake requirements

Julia Bird, Edith Feskens, Alida Melse-Boonstra

DSGR7 Evaluating affordability of healthier diets in four African countries

Joaquin Ameller Pavez, Sophie Drogue, Kaleab Baye, Marie-Josephe Amiot, InnoFoodAfrica Group: Kaleab Baye, Marie-Josephe Amiot, Joaquin Ameller, Sophie Drogue, Marinel Hoffman, Noora Kanerva, Mikael Fogelholm, Gaston Ampe, Agnes Le Port, Abdelrahman Lubowa, Natalia Rosa-Sibakov, Rajja Lantto

Hall B

Track: Nutrition, metabolism and chronic disease

Chairs: Imre Rurik, Semmelweis University, Budapest and Tatjana Ruskovska, Goce Delcev University, Stip, North Macedonia

NMCD1 Young people's health interest, nutrition knowledge, and views about obesity
Salma Abuznada, Emilie Combet, Ada Garcia

NMCD2 The prevalence and economic burden of obesity in Hungary
Imre Rurik

NMCD3 Study of cardio-metabolic risk in overweight and obese people with impaired vitamin D status
Maria Nikolova, Adriana Agovska

NMCD4 Effect of a 15-week n-3 fatty acid supplementation on inflammation and iron absorption in African women living with overweight and obesity
Isabelle Herter-Aeberli, Linda Malan, Mary Uyoga, Angelique Lewies, Lizelle Zandberg, Marius Smuts, Jeannine Baumgartner

NMCD5 The effect of sweeteners and sweetness enhancers on adipose tissue function in individuals with overweight or obesity – A SWEET sub-study.
Michelle Pang, Jacco Bastings, Johan Jocken, Jason Halford, Anne Raben, Gijs Goossens, Ellen Blaak

NMCD6 Adherence to the Mediterranean Diet and risk of Obesity-related cancers in the EPIC study
Inmaculada Aguilera Buenosvinos, Esther González, Fernanda Morales Berstein, Inge Huybretchs, Laure Dossus, Miguel Ángel Martínez- González, Estefanía Toledo Atucha

NMCD7 Evaluating weight loss interventions for night shift workers: Preliminary results from a 24-week, parallel, multi-site, randomized controlled trial (SWIFT).
Maxine Bonham, Rochelle Davis, Gloria Leung, Michelle Rogers, Siobhan Banks, Angela Clarke, Alison Coates

Hall C

Track: Nutrition across the lifecourse

Chairs: Frank Thies, University of Aberdeen, Aberdeen, United Kingdom and Nenad Dikic, University of Singidunum, Belgrade, Serbia

NALC1 Differential responders of a meal glucose tolerance test associated with type 2 diabetes risk factors- data from the MEDGICarb-study
Therese Hjorth, Viktor Skantze, Carl Brunius, Mikael Wallman, Rosalba Giacco, Wayne W Campbell, Rikard Landberg

NALC2 Identifying a complex carbohydrate mixture in context of a
Thirza van Deuren, Ellen Blaak, Koen Venema, Colin van Kalkeren

high-protein Diet that is able to Steer microbial fermentation to improve metabolic health: the DISTAL-study

NALC3 Metabolic hormone levels in infants fed formulas with age-adapted protein concentrations from birth to 12 months

Jibrán Wali, Manuel Ramos, Corinne Zufferey, Nicholas Hays, Jean-Charles Picaud

NALC4 Effects of subsequent whole-grain rye and refined wheat-based meals on postprandial glycaemia, subjective appetite and enteroendocrine derived hormones

Sebastian Åberg, Marie Palmnäs-Bédard, Therese Karlsson, Thérèse Hjorth, Rikard Landberg, Kia Nøhr Iversen

NALC5 Improved cardiometabolic health using a personalised nutrition approach: The ZOE METHOD study

Kate Bermingham, Inbar Linenberg, Lorenzo Polidori, Jonathan Wolf, William Bulsiewicz, Tim Spector, Sarah Berry

NALC6 Multicenter randomized controlled trial to tackle obesity through a Mediterranean diet vs. a low-fat diet in children and adolescents: Preliminary results from the MED4YOUTH STUDY

Alice Rosi, Ricardo Teixo, Nanci Batista, Lorena Calderón-Pérez, Antoni Caimari, Francesca Scazzina

NALC7 Association between physical activity energy expenditure and continuous glucose monitor derived metrics; data from the ZOE PREDICT 1 study

Harry Smith, Kate Bermingham, Anna May, Jonathan Wolf, Javier Gonzalez, Tim Spector, Sarah Berry

Room 9

Track: Nutrition and the environment, sustainability and diversity

Chair: Esther Papies, University of Glasgow, Glasgow, United Kingdom and Miroslav Vrvic, University of Belgrade, Belgrade, Serbia

NESD1 Climate-friendly, health-promoting, and culturally acceptable diets for Belgian adult omnivores, pescatarians, vegetarians, and vegans

Alexandr Parlesak, Kia Reis, Talia Masino, Patricia Eustachio Colombo, Inge Tetens

NESD2 Climate-friendly, health-promoting, and culturally acceptable diets for German adult omnivores, pescatarians, vegetarians, and vegans: a linear programming approach

Alexandr Parlesak, Talia Masino, Patricia Eustachio Colombo, Kia Reis, Inge Tetens

NESD3 Validity of REFRESH, a new screener for assessing an environmentally sustainable and healthy diet

Ujué Fresán, Anna Boronat, Giannoula Mitsia, Maira Bes-Rastrollo, Itziar Zazpe, Rafael De la Torre, Guillaume Chevance

NESD4 Investigating the potential of

Elly Steenbergen, Reina Vellinga, Elisabeth

Nutri-Score to discriminate between environmental impact of foods	Temme
NESD5 Nutritional composition of ultra-processed plant-based foods in the out-of-home setting: a case-study with vegan burgers	Reina Vellinga, Elisabeth Temme, H. Rippin, C. Motta, G.B. Gonzales, C. Farrand, K. Wickramasinghe
NESD6 Can plant-based diets facilitate dietary transition in Bolivia? Exploratory study	Armando Perez-Cueto, Rosaluz Valda-Romero, Jean-Paul Garin, Inês Magalhães
NESD7 Role of proximal determinants of undernutrition: Community Based Participatory Research (CBPR) in Bukoba Rural, Republic of Tanzania	Neeta Singh

Room 11

Track: Dietary studies, guides and recommendations

Chairs: Jana Babjakova, Comenius University, Bratislava, Slovakia and Mirjana Gurinovic, Capacity Development in Nutrition CAPNUTRA, Belgrade, Serbia and Institute of medical research, Belgrade, Serbia

DSGR8 Capacity development and harmonization of food consumption data collection in EFSA EU Menu national dietary surveys in Balkan region - building the evidence base for diet monitoring and food systems transformation	Mirjana Gurinović, Jelena Milešević, Milica Zeković, Marija Knez, Marija Takić, Ivana Šarac, Agneš Kadvan
DSGR9 Changes in eating habits and contributing factors during the COVID-19 pandemic among medical students in the Slovak Republic	Jana Babjakova, Katarina Mayer-Vargova, Sona Wimmerova, Lubica Argalasova
DSGR10 Multi-faceted nutritional science demonstrated through the prism of sugar – a scoping review on sugar intake associated with quality of life in children and adolescents	Stefania Noerman, Ute Nöthlings, Danijela Ristic-Medic, Bryndis Eva Birgisdottir, Inge Tetens, Marjukka Kolehmainen
DSGR11 Effectiveness of dietary guidelines for reducing free sugar intakes: A randomised controlled trial	Lucy Boxall, Katherine Appleton, Emily Arden-Close, Janet James
DSGR12 Nutritional and anthropometric status of Serbian adults 10-74y old: Results from EFSA EU Menu food consumption survey 2017-2021	Jelena Milešević, Milica Zeković, Ivana Šarac, Marija Knez, Marija Takić, Jasmina Debeljak, Mirjana Gurinović

DSGR13 Antioxidant supplementation reduces sperm DNA fragmentation and improves sperm motility
Biljana Markovska

DSGR14 Weight loss effect of an app-based multimodal lifestyle intervention in adults with obesity – a randomized controlled trial
Kathrin Gemesi, Stefanie Winkler, Florian Schederecker, Hans Hauner, Christina Holzapfel

Room 13

Track: Nutrition across the lifecourse

Chair: Nanna Lien, University of Oslo, Oslo, Norway

NALC8 Prevalence of undernutrition and its association with cognitive decline and incident dementia: results from the collaborative PROMED-COG pooled cohorts study
Silvia Conti, Federica Prinelli, Stefania Maggi, Giuseppe Sergi, Claire McEvoy, Marianna Noale, Caterina Trevisan

NALC9 Taste impairments in neurological conditions: a hinderance to dietary intake
Catherine Graham, Harry Stevens, Francesco Piluso, Paolo Gasparini, Maria Pina Concas

NALC10 Reproducibility and transparency practices in a sample of nutrition or diet-related randomised controlled trial publications: a cross-sectional meta-research
Michael Schlüssel, Flavia Moraes, Simone Bernardes, Solange Durão

NALC11 Associations between the dietary inflammatory index, the gut microbiome, and nutritional status in healthy elderly
Madeline Bartsch, Felix Kerlikowsky, Andreas Hahn, Shoma Berkemeyer, Marius Vital, Mattea Müller

NALC12 Quantifying the coexistence of multiple forms of malnutrition: A systematic literature review and meta-analysis of prevalence estimates across Latin America
Diana Sagastume, Antonio Barrenechea, Manuel Ramirez-Zea, Lenka Benova, José Peñalvo

NALC13 Birth size modifies longitudinal associations between midlife educational level and physical function at late-life for men and women
Vilborg Kolbrun Vilmundardottir, Olof Gudny Geirsdottir, Alfons Ramel, Milan Chang, Thorhallur Ingi Halldorsson, Palmi Jonsson

NALC14 Whole-grain intake in mid-life and healthy ageing in the Danish Diet, Cancer and Health cohort
Anne Kirstine Eriksen, Mia Klinten Grand, Cecilie Kyrø Panton, Kim Overvad, Anne Tjønneland, Anja Olsen

Room 14

Track: Food science

Chairs: Aneta Kopec, University of Agriculture, Krakow, Poland and Ljilja Torovic, University of Novi Sad, Novi Sad, Serbia

FS1 Assessment of protein quality in novel foods by the European Food Safety Authority: Methodology and challenges

Reinhard Ackerl, Vânia Mendes, Andrea Germini, Harry Mcardle, Monika Neuhäuser-Berthold, Ruth Roldán-Torres, Ermolaos Ververis

FS2 The combined effect of gluten addition, cell wall integrity, and low hydration level in durum wheat bread on textural quality and starch digestibility

Marianna Tagliasco, Anna Baggio, Donatella Peressini, Nicoletta Pellegrini

FS3 Selecting the type of grains and fermentation conditions to improve nutrition quality of grains

Alexandra Meynier, Natalia Rosa-Sibakov, Riikka Juvonen, Pekka Lehtinen, Nesli Sözer, Sophie Vinoy

FS4 Malting of barley and wheat grains impacts their metabolic profiles in a model of in vitro colonic fermentation

Oona Koivisto, Kaisa Raninen, Otto Savolainen, Arto Koistinen, Marjukka Kolehmainen, Carlos Gómez Gallego

FS5 Fatty acid nutritional indices of hemp seed oil

Radmila Velicki, Jelena Banović Fuentes, Katarina Bijelić, Maja Hitl, Nebojša Kladar, Ljilja Torović

FS6 Potential of lignocellulosic agro-waste to produce value-added products

Uloma Onyeka, Egwu Kalu, Chinwe Okafor

FS7 Lactic fermentation increases antioxidant capacity and phenolic compounds in white and red varieties of quinoa

Claudia Lazarte, Eulalia Ualia, Rui Chu

Room 16

Track: Nutrition, metabolism and chronic disease

Chairs: Mathilde His, INSERM, Lyon, France and Danijela Ristic Medic, Institute for Medical Research, Belgrade, Serbia

NMCD8 A metabolic signature of adherence to the WCRF/AICR Cancer Prevention Recommendations in the UK Biobank

Mathilde His, Fiona Malcomson, Joseph Rothwell, Sabina Rinaldi, Laure Dossus, Caliper Uk Research Team, John Mathers

NMCD9 Adherence to the 2018 WCRF/AICR Cancer Prevention

Fiona Malcomson, Solange Parra-Soto, Frederick Ho, Carlos Celis-Morales, Linda

Recommendations and cancer survival in the UK Biobank prospective cohort study	Sharp, John Mathers
NMCD10 Dose-response relationships of five dietary patterns with risk of cancer: Findings from the UK Biobank study.	Solange Parra-Soto, Katherine Livingstone, Fiona Malcomson, John Mathers, Jill Pell, Frederick Ho, Carlos Celis-Morales
NMCD11 Olive oil consumption is associated with lower cancer mortality among Italian adults: prospective results from the Moli-sani Study and analysis of potential biological mechanisms	Emilia Ruggiero, Augusto Di Castelnuovo, Simona Costanzo, Simona Esposito, Maria Benedetta Donati, Licia Iacoviello, Marialaura Bonaccio
NMCD12 Prognostic role of polyunsaturated fatty acids in the adipose tissue of colorectal cancer patients	Cécile Roux-Levy, Christine Binquet, Carole Vaysse, Vanessa Cottet
NMCD13 Fifty shades of food colours – Associations with cancer risk in a French cohort	Bernard Srour, Guillaume Javaux, Xavier Coumoul, Inge Huybrechts, Serge Hercberg, Mélanie Deschasaux, Mathilde Touvier
NMCD14 Meat-based diet significantly affects risk parameters for colorectal cancer: the MeaTIC dietary intervention study	Monica Dinu, Giuditta Pagliai, Sofia Lotti, Carlotta De Filippo, Lisa Giovannelli, Giovanna Caderni, Francesco Sofi

Room 1

Track: Track: Nutrition, metabolism and chronic disease

Chairs: Esther Gonzalez-Gil, International Agency for Research on Cancer, France and Aleksandra Jankovic. Institute for Biological Research "Siniša Stanković", Belgrade, Serbia

NMCD15 The role of nutritional factors in cognitive health in ageing: Shedding new light through systematic review with meta-analysis of intervention studies.	Shane Gordon, Leane Hoey, Helene McNulty, Mary Ward, Chris Patterson, Rachel Keane, Catherine Hughes
NMCD16 An observational study of the effect of diet and micronutrient intake on the association between depression and gastrointestinal symptoms via an online survey tool.	Fahim Syed, Deili Sinimeri, Caroline Childs, Dennis Golm
NMCD17 Eating habits and sleep quality in patients with type 1 diabetes on advanced technologies	Alessandra Corrado, Giuseppe Scidà, Marilena Vitale, Giuseppina Costabile, Giuseppe Della Pepa, Angela Albarosa Rivellese, Lutgarda Bozzetto
NMCD18 A multi-meal paradigm	Daniel Lampport, Matthew Grout, Julie

manipulating glycaemic response for cognitive and mood outcomes in type 2 diabetes: a randomized crossover trial

Lovergrove

NMCD19 Effects of low- vs high-glycemic index Mediterranean-style eating patterns on subjective well-being and sleep in adults at risk for type 2 diabetes: The MEDGICarb-intervention trial

Anna Hjort, Robert Bergia, Marilena Vitale, Rosalba Giacco, Gabriele Riccardi, Wayne Campbell, Rikard Landberg

NMCD20 Early changes in observed eating behaviours and suboptimal weight loss in gastric bypass patients: Preliminary findings

Heather Spence, Julie Sittlington, Carel Le Roux, Alan Spector, Alexander Miras, Ruth Price, Maeve Kerr, Chris Gill, Zsolt Bodnar, David Daniel Kerrigan, Dimitri Pournaras

NMCD21 The effects of 25-hydroxyvitamin D3 and ascorbate on extracellular cytokine concentrations in THP-1 monocytes and THP-1 derived macrophages

Mark Dewane, Caroline Childs, Elizabeth Miles, Philip Calder

Room 2

Track: Dietary bioactives

Chairs: Chris Gill, Ulster University, Coleraine, Northern Ireland and Zilic Sladjana, Maize Research Institute, Belgrade, Serbia

DB1 Demethoxycurcumin and bisdemethoxycurcumin are more bioavailable than curcumin: a meta-analysis of randomized cross-over trials in healthy humans and an in vitro mechanistic exploration

Charles Desmarchelier, Nadine Sus, Grégory Marconot, Guillian Gillet, Noémie Rességuier, Jan Frank

DB2 New insights into the microbiome-cocoa flavonoids interaction in an ex vivo colonic model

Chris Gill, Sara Dobani, Kieran Tuohy, Alan Crozier, Gema Pereira-Caro, Pedro Mena, Dan Del Rio

DB3 (Poly)phenol intake and Small-for-Gestational Age Birth Weights in Newborns risk: a secondary analysis of the IMPACT BCN

Rosa Casas, Sara Castro-Barquero, Eric B Rimm, Ramon Estruch, Francesca Crovetto, Eduard Gratacós, Fátima Crispi

DB4 Short-term effects of fruit juice enriched with vitamin D3, n-3 PUFA, and probiotics on glycemic and insulinemic responses: A randomized controlled clinical trial in healthy adults

Nikolaos Zacharodimos, Christina Athanasaki, Stamatia Vitsou-Anastasiou, Olga Papadopoulou, George-John Nychas, Chrysoula Tassou, Emilia Papakonstantinou

DB5 The effect of betaine

Emilia Zawieja, Marcin Sadowski, Agata

supplementation on crossfit performance, testosterone and inflammatory cytokines

Chmurzynska, Krzysztof Durkalec-Michalski, Natalia Głowska

DB60 The effects of L-Theanine supplementation on quality of sleep: a systematic review

Nenad Naumovski, Amanda Bulman, Nathan D'Cunha, Wolfgang Marx, Murray Turner, Andrew McKune

DB6 Comparison of the concentration, bioaccessibility and enterocyte uptake efficiency of α - and β -carotene from carrot cortex and epidermis

Batoul Hamieh, Charles Desmarchelier, Patrick Borel, Gregory Marconot, Guillan Gillrt, Sana Raouche

DB7 Anti-obesity properties of a *Latilactobacillus sakei* strain in *C. elegans* and diet-induced obese rats

Fermin Milagro, Ignacio Goyache Affiliation, Paula Aranaz, Raquel Virto, Lorena Valdés, Miguel López- Yoldi, Ana Romo-Hualde

Room 3

Track: New technologies in nutrition research

Chairs: Bryndis Eva Birgisdottir, University of Iceland, Reykjavik, Iceland and Nikoleta Lugonja, University of Belgrade, Belgrade, Serbia

NTNR1 Modelling individual determinants to intervention using ecological tracking – a series of N-of-1 studies with a whole grains and nuts intervention (the MI-DIET study)

Baukje de Roos, Tilly Potter, Rute Vieira, Liesbeth Zandstra, Peter Zock, Anne Wanders

NTNR2 Health app use may motivate the maintenance of physical activity during pregnancy

Ella Koivuniemi, Monique M. Raats, Helena Ollila, Eliisa Löyttyniemi, Kirsi Laitinen

NTNR3 A comparison of different methods for meal pattern analysis

Cathal O'Hara, Eileen Gibney

NTNR4 A step-by-step harmonization process for nutritional epidemiology purposes: a methodological work of the collaborative PROMED-COG pooled cohorts study

Federica Prinelli, Silvia Conti, Claire McEvoy, Caterina Trevisan, Stefania Maggi, Giuseppe Sergi, Marianna Noale

NTNR5 Validation of an *in vitro* fermentation model of colonic gas production

Catriona Thomson, Christine Edwards, Ada Garcia

NTNR6 Plasma proteomic profiles of white British and British Indian vegetarians and non-vegetarians in UK Biobank

Tammy Tong, Karl Smith-Byrne, Keren Papier, Joshua Atkins, Timothy Key, Ruth Travis

NTNR7 Development of a nutrient database to analyse dietary intake of older Indians in the Longitudinal Aging Study in India – Diagnostic Assessment of Dementia (LASI-DAD)

Danielle Logan, Claire McEvoy, AB Dey, Alka Mohan Chutani, Joyita Banerjee, Pranali Khobragade, Jinkook Lee

Wednesday 15th November 2023

Oral presentations
13:30 – 15:00

Hall A

Track: Dietary studies, guides and recommendations

Chairs: Selma Kronsteiner Gicevic, University of Vienna, Vienna, Austria and Anita Kusar, Nutrition Institute, Ljubljana, Slovenia

DSGR15 Validation of the rapid Prime Dietary Quality Screener (rPDQS), a brief dietary assessment tool with simple traffic light scoring

Selma Kronsteiner Gicevic, Monique Tello, Elizabeth Lincoln, Uma Naidoo, Teresa Fung, Walter Willett, Anne Thorndike

DSGR16 Adherence to the Mediterranean diet and its food groups consumption in a sample of over than 10,000 Italian adults

Sofia Lotti, Monica Dinu, Giuditta Pagliai, Marta Tristan, Antonia Napoletano, Barbara Colombini, Francesco Sofi

DSGR17 Vitamin D and cardiovascular disease risk: using outcomes to guide future nutrition science

Diego Moretti, Lorraine Brennan, Mairead Kiely, Jayne Woodside

DSGR18 Ultra-processed food consumption in Iceland

Steina Gunnarsdóttir, Rut Arnardóttir, Ólöfuguðný Geirsdóttir, Þórhallur Ingi Halldórsson, Ólafur Ögmundarson, Ingibjörg Gunnarsdóttir, Bryndís Eva Birgisdóttir

DSGR19 Comparison of the effect of daily vitamin D2 and vitamin D3 supplementation on serum 25-hydroxyvitamin D concentration (total 25(OH)D, 25(OH)D2 and 25(OH)D3): a meta-analysis

Ellen Van Den Heuvel, Paul Lips, Linda Schoonmade, Susan Lanham-New, Natasja Van Schoor

DSGR20 Effects of plant origin superoxide dismutase supplementation on selected parameters of inflammation and white blood cell count in athletes

Olina Dudašova Petrovičova, Ivan Stanković, Brižita Đorđević, Neda Milinković, Violeta Dopsaj, Milivoj Dopsaj

DSGR21 Effect of a new graphically modified Nutri-Score on the objective understanding of foods' nutrient profile and ultra-processing – a randomised controlled trial

Bernard Srouf, Serge Hercberg, Pilar Galan, Carlos Augusto Monteiro, Mélanie Deschasaux-Tanguy, Chantal Julia, Mathilde Touvier

Hall B

Track: Nutrition, metabolism and chronic disease

Chairs: Suvi Itkonen, University of Helsinki, Finland and Marija Takic, Institute for Medical Research, Belgrade, Serbia

NMCD22 Does a vegan or vegetarian diet compromise bone and mineral metabolism? – Results from a cross-sectional study on 2-7-year-old Finnish children and their caregivers

Suvi Itkonen, Topi Hovinen, Elina Kettunen, Riitta Freese, Majjaliisa Erkkola, Anu Suomalainen, Liisa Korkalo

NMCD23 Circulating NMR metabolites in white and British Indian vegetarians and non-vegetarians in the UK Biobank

Tammy Tong, Julie Schmidt, Timothy Key, Ruth Travis

NMCD24 Changes in body composition (using DEXA) on an 8-week plant-based meat analogue or animal-based meat diet – A randomised controlled trial

Darel Wee Kiat Toh, Amanda Simin Fu, Kervyn Ajay Mehta, Nicole Yi Lin Lam, Sumanto Haldar, Christiani Jeyakumar Henry

NMCD25 Dairy consumption and incident prediabetes: prospective associations and network models in the large population-based Lifelines study

Isabel Slurink, Eva Corpeleijn, Stephan Bakker, Joran Jongerling, Nina Kupper, Tom Smeets, Sabita Soedamah-Muthu

NMCD26 Is there a challenge in sodium intake with a shift towards plant-based diets? - Results from two randomized clinical trials in healthy Finnish adults

Anne-Maria Pajari, Meri Mustakallio, Suvi Itkonen, Tiina Pellinen, Mikko Lehtovirta, Essi Päivärinta

NMCD180 The future burden of type 2 diabetes in Belgium: a microsimulation model

José L. Peñalvo, Junior Ocira, Diana Sagastume, Maria Salve Vasquez, Stefanie Vandevijvere, Elly Mertens

Hall C

Track: Nutrition and the environment, sustainability and diversity

Chairs: Maria Somaraki, INRAE, France and Igor Spiroski, Department of Nutrition, IPH, Skopje, North Macedonia

- NESD8** Modelling the current diet of the adult population in Italy to reduce greenhouse gas emissions: an optimisation study
Beatrice Biasini, Michele Donati, Alice Rosi, Aiki Kalmourtzidou, Emilia Ruggiero, Marialaura Bonaccio, Francesca Scazzina
- NESD9** The European Health Map: a comparative literature and policy analysis on the definition of health in Europe to realize healthy and sustainable diets
Billy van Zoomeren, Pieter van 't Veer, Anneleen Kuijsten
- NESD10** Do promotions of healthier and more sustainable foods increase sales? Findings from three natural experiments in UK supermarkets
Madison Luick, Lauren Bandy, Carmen Piernas, Susan Jebb, Rachel Pechey
- NESD11** Impact of low levels of air pollution on cardiometabolic health may be modified by diet quality
Darren Healy, Anna Karlund, Santtu Mikkonen, Soile Puhakka, Leila Kahunen, Marjukka Kolehmainen
- NESD12** Associations between retail food environment and organic food purchases in French households: the Mont'Panier cross-sectional study
Maria Somaraki, Pascaline Rollet, Simon Vonthron, Coline Perrin, Marlène Pérignon, Hélène Charreire, Caroline Mejean
- NESD13** Food shopping mobility behaviors: the missing link between food retail environment and travel related greenhouse gas emissions of households
Helene Charreire, Pascaline Rollet, Simon Vonthron, Maria Somaraki, Coline Perrin, Marlène Perrignon, Caroline Méjean
- NESD14** Consumption of foods with the highest nutritional quality, and the lowest GHGE and price, differs between socioeconomic groups in the UK population
Baukje de Roos, Magaly Aceves-Martins, Ruth Bates, Leone Craig, Neil Chalmers, Graham Horgan, Bram Boskamp

Room 9

Track: Dietary bioactives

Chair: Emilia Papakonstantinou, Agricultural University of Athens, Athens, Greece and Vanja Todorovic, University of Belgrade, Belgrade, Serbia

- DB8** Short-term *Aronia melanocarpa* extract supplementation improves cognitive performance: a randomized controlled trial in healthy young adults
Sanne Ahles, Peter Joris, Jogchum Plat
- DB9** Fruit covered functional candied chestnut production: nutritional and technological effects of riboflavin fortification and copigmentation
Özlem Erdoğan, Yağmur Yıldırım, Ceylin Şahin, Melisa Terekli, Fatih Mehmet Yılmaz
- DB10** Anti-VEGF effect of tyrosol and
Maria Carmen Garcia Parrilla, Marta Gallardo-

hydroxytyrosol bioactive compounds present in food	Fernandez, Alvaro Santana-Garrido, Ana Cerezo, Ruth Hornedo-Ortega, Ana Troncoso
DB11 Flavonoids, their metabolites and their antiplatelet effects	Premysl Mladenka, Marcel Hrubsa, Lukas Konecny, Alejandro Carazo
DB12 Potential health benefits of blueberry and raspberry pomace as functional food ingredients: dietetic intervention study on healthy women volunteers	Tamara Popović, Bojana Saric, Jasmina Debeljeka Martacic, Aleksandra Arsic, Pavle Jovanov, Edita Stokic, Aleksandra Misan
DB13 Short-term effects of a snack including fruit juice enriched with vitamin D3, n-3 fatty acids, and probiotics on energy intake and satiety in normal weight and overweight individuals	Christina Athanasaki, Nikolaos Zacharodimos, Sofia Tsitsou, Dionysia-Lydia, Stamatia Vitsou-Anastasiou, Olga Papadopoulou, Emilia Papakonstantinou
DB14 The impact of inorganic nitrate rich beetroot juice on microvascular blood flow and cognitive function and other hemodynamic outcomes in postmenopausal women	Begum Celik, Jeremy Spencer, Noa Argomaniz, Charlotte Mills

Room 11

Track: Dietary studies, guides and recommendations

Chairs: Leonie Bogl, Bern University of Applied Sciences, Bern, Switzerland and Bojana Vidovic, University of Belgrade, Belgrade, Serbia

DSGR22 Defining public health nutrition goals based on food balance sheets – a proof-of-principle	Kurt Gedrich
DSGR23 Estimating the population health impact related to suboptimal diets in the Netherlands: A modeling study	Mingjie Duan, Maartje Poelman, Sander Biesbroek
DSGR24 Cross sectional study on micronutrient adequacy and associated factors among school going adolescent girls	Priyanka Pareek, Aparna Thorat, Chethana C
DSGR25 European regulatory framework for new sweeteners and sweeteners enhancers introduction and its role as a facilitator or barrier to innovation: The results from the SWEET project	Lada Timotijevic, Charo Hodgkins, Monique Raats, Anne Raben, Jason Halford, Jo Harold
DSGR26 Assessment of the effects of updated Nutri-Score nutrient profiling algorithm using a representative	Edvina Hafner, Igor Pravst

Slovenian food supply dataset

DSGR27 Development of a diet quality score and adherence to the Swiss dietary recommendations for vegans

Leonie Bogl, Natalie Bez, Joyce Haddad, Giulia Tedde, Klazine Van Der Horst, Isabelle Herter-Aeberli

DSGR28 A philosophical reflection on holism and reductionism in nutrition science

Eline Baltussen, Marcel Verweij

Room 13

Track: Nutrition education, consumers and practitioners

Chairs: Annet Roodenburg, HAS University of Applied Sciences, 's-Hertogenbosch, The Netherlands and Ljiljana Trajkovic Pavlovic, Serbian Nutrition Society, Belgrade, Serbia

NECP1 Is self-efficacy a determinant of beverage advertisement susceptibility in primary school children? 2021 baseline data from the DRINK trial (Belgium)

Katya Castetbon, Wassila Assakali, Emma Holmberg, Lucille Desbouys

NECP2 Dutch consumers' attitude towards (ultra) processing of food

Sylvie Huybers, Dieuwerke Bolhuis, Annet Roodenburg

NECP3 Daily lactose supplementation in lactase non-persistent individuals induces colonic adaptation and reduces intolerance symptoms

Ellen Looijesteijn, Lonneke Janssen Duijghuijsen, Maartje van den Belt, Beatrix Gerhard, Renata Ariens, Reina Tjoelker, Jan Geurts

NECP4 Marketing or transparency? A study into misleading labelling: with food experts, consumers and the food sector

Annet Roodenburg, Nadja Hanssen, Gerlinde Van Santen

NECP5 The Nutri-Score system in the opinion of Polish nutrition professionals - report of a cross-sectional Poland-wide expert opinion study

Iwona Traczyk, Mariusz Panczyk, Mariusz Jaworski, Beata Sińska, Alicja Kucharska

NECP6 Women's knowledge of good nutrition and feeding practices is correlated with their level of exposure to awareness-raising activities

Mélanie Antoine, Stéphanie Zoungrana, Claire Mouquet-Rivier, Jérôme Somé, Hermann Lanou, Séni Kouanda

NECP7 Alimentación S2: an app-based intervention to promote sustainable healthy diets

Ujué Fresán, Paquito Bernard, Sergi Fàbregues, Anna Boronat, Vera Araújo-Soares, Laura König, Guillaume Chevance

Room 14

Track: Cultural, societal and behavioural aspects of diet and nutrition

Chairs: Donato Angelino, University Teramo, Teramo, Italy and Milka Popovic, University of Novi Sad, Novi Sad, Serbia

CSBADN1 War-induced disrupted eating behaviors in Ukrainian school-aged children Maria Gulich, Dina Fedorova, Olena Petrenko, Henna Vepsäläinen and Maijaliisa Erkkola

CSBADN2 How can older consumers become more conscious of an optimal protein intake – outcomes of the ConsuBETER study Joost Linschooten, Marije Verwijs, Marian de van der Schueren, Annet Roodenburg

CSBADN3 Systematic review and meta-analyses of published controlled intervention studies investigating a role for fruit and vegetable consumption in mental health Katherine Appleton, Lucy Boxall, Olabimpe Adenuga-Ajayi, Dilara Seyar

CSBADN4 Adherence to the Mediterranean Diet and its association with sustainable dietary behaviors, sociodemographic factors, and lifestyle: an online survey in Italian and us university students Cinzia Franchini, Beatrice Biasini, Giovanni Sogari, Rungsaran Wongprawmas, Giulia Andreani, Francesca Scazzina, Alice Rosi

CSBADN5 Leaving no children behind: Identifying inequalities in multidimensional child growth in Ethiopia, Vietnam, Peru and India Hinke Haisma, Rolando Gonzales-Martinez, Gretel Pelto, Zaina Mchome, Chumki Chakraborty, Aluísio Barros, Ali Dhansay

CSBADN6 Consumer acceptance and nutritional expectations of microalgae protein products: insights from a cross-European study Christine Yung Hung, Héléne Van der Stricht, Wim Verbeke

CSBADN7 Eating behaviour traits can be explained by four theoretical domains; reactive, reflective, emotional, and homeostatic eating: an exploratory and confirmatory factor analysis Clarissa Dakin, James Stubbs, Graham Finlayson

Room 16

Track: Nutrition, metabolism and chronic disease

Chairs: Wendy Hall, King's College London, London, United Kingdom and Vesna Vucic, Institute for Medical Research, Belgrade, Serbia

NMCD28 Effects of a dietary intervention with lacto-ovo-vegetarian and Mediterranean diets on apolipoproteins, lipid profile and cardiovascular risk: results from the CARDIVEG study Giuditta Pagliai, Barbara Colombini, Marta Tristan Asensi, Monica Dinu, Sofia Lotti, Rossella Marcucci, Francesco Sofi

- NMCD29** Adherence to a Mediterranean Diet and risk of Alzheimer and Parkinson Diseases: a systematic review of population-based studies
Sukshma Sharma, Alessandro Gialluisi, Maria Benedetta Donati, Giovanni De Gaetano, Vittorio Maglione, Licia Iacoviello, Maria Laura Bonaccio
- NMCD30** Adherence to the Mediterranean diet is associated with improvement of NMR assessed advanced lipoprotein and glucose metabolism biomarkers in older individuals at high cardiovascular risk
Indira Paz Graniel, Jesús García-Gavilán, Emilio Ros, Margery Connelly, Nancy Babio, Christos Mantzoros, Jordi Salas-Salvado
- NMCD31** Effect of Mediterranean Diet on atherosclerotic burden progression measured by imaging techniques
Rosa Casas, Ana Maria Ruiz-León, Miguel Camafort, Aleix Sala-Vila, Rosa Maria Lamuela-Raventós, Emilio Ros, Ramon Estruch
- NMCD32** Combination of adherence to a traditional Mediterranean Diet and ultra-processed food consumption in relation to all-cause and cardiovascular mortality: prospective findings from the Moli-sani Study
Marialaura Bonaccio, Augusto Di Castelnuovo, Simona Costanzo, Emilia Ruggiero, Maria Benedetta Donati, Giovanni De Gaetano, Licia Iacoviello
- NMCD33** Associations of circulating gamma-linolenic acid and cardiometabolic health in Chinese adults: a prospective study
Chen Yu-Ming, Hai-Li Zhong, Yan Yan, Yingdi Yang, Hangzhu Chen, Ting-Yu Sun
- NMCD34** No difference in the effects of consuming commercially-relevant palmitic acid- and stearic acid-rich interesterified fats on plasma total cholesterol to HDL cholesterol ratio: the INTER-SAT study
Wendy Hall, Eleanor Wood, Peter Joris, Johanna Bruce, Ronald Mensink, Sarah Berry

Room 1

Track: Food science

Chairs: Ivana Rumora Samarin, University of Zagreb, Zagreb, Croatia and Irzada Taljic, University of Sarajevo, Sarajevo, Bosna and Herzegovina

- FS8** The EU Food And Beverage Labels Explorer (FABLE) – a new open-access web-based tool to monitor branded food products across Europe
Joana Dias, Evangelia Grammatikaki, Jan Wollgast
- FS9** Estimated public health impacts of implementation of EU-annexes for national initiatives on salt, sugar and saturated fat
Elisabeth Temme, Ceciel Dinnissen, Laurens Bogaardt, Jiří Ruprich, Pieter Van Veer, Hendriek Boshuizen

- FS10** Difference between the theoretical and analytical content of selected elements in meals prepared for hospital tube feeding
Ivana Rumora Savarin, Anja Vukomanović, Ivica Vrdoljak, Marija Đurić, Antonija Sulimanec, Ankica Sekovanić, Ines Panjkota Krbavčić
- FS11** Is there an association between sodium-based additives and total sodium content of foods?
Carla Almeida, Eduarda Lopes, Patrícia Padrão
- FS12** Food processing differently impacts protein digestibility of plant-based ingredients
Laurence Daoust, Kera Nyemb-Diop, Agnès Demangeat, Sylvaine Ramsamy, Françoise Nau, Sophie Vinoy
- FS13** Influence of freezing methods on the quality parameters of frozen globe artichokes
Beyzanur Bayraktar, Ahmet Görgüç, Kardelen Demirci, Fatih Mehmet Yilmaz
- FS14** Exploring the impact of traditional processing techniques on mineral content and bio-accessibility of six iron-rich ingredients
Ashi Khare, Amit Arora

Room 2

Track: Nutrition across the lifecourse

Chair: Inga Thorsdottir, University of Iceland, Reykjavik, Iceland and

- NALC15** N-3 polyunsaturated fatty acid intake and status in Swiss pregnant women in association with antenatal depressive symptoms – a national survey
Jeannine Baumgartner, Maria Andersson, Isabelle Herter-Aeberli
- NALC16** Riboflavin status in pregnancy and its relationship with blood pressure, heart rate and risk of hypertension: Findings from the OptiPREG observational study
Bethany Duffy, Helene McNulty, Mary Ward, Elina Psara, Emma O'Sullivan, Geraldine Horigan, Kristina Pentieva
- NALC17** Supplement use in relation to dietary intake in pregnancy – an analysis of the Swedish GraviD cohort
Mathilda Forsby, Anna Winkvist, Linnea Bärebring, Hanna Augustin
- NALC18** Exclusive breastfeeding associates with total breastfeeding duration and growth outcomes: Icelandic Mother and Child Health Study (ICE-MCH)
Jenny Jonsdottir, Birna Thorisdottir, Inga Thorsdottir
- NALC19** Poor maternal iodine status in early pregnancy is associated with cognitive and language delays at 24-months in non-users of nutritional
Áine Hennessy, Lisa Kelliher, Yvonne O'Callaghan, Jillian Brown, Mairead Kiely

supplements

NALC20 Comparison of vegan and omnivorous diets in pregnant women: first results of the PREGGIE study

Sarah Schmincke, Katharina Feuerlein, Stine Weder, Ute Alexy, Alfred Längler, Markus Keller

NALC21 LC-MS based metabolomics for dietary biomarker discovery in a cohort of pregnant and lactating women and their infants

Mia Stråvik, Olle Hartvigsson, Anna Sandin, Agnes Wold, Malin Barman, Ann-Sofie Sandberg

Thursday 16th November 2023

**Oral presentations
13:30 – 15:00**

Hall A

Track: Nutrition, metabolism and chronic disease

Chairs: Catherine Hughes, Ulster University, Coleraine, United Kingdom and Ana Jovanovic, University of Belgrade, Belgrade, Serbia

NMCD35 An unhealthy dietary pattern-related metabolic signature is associated with cardiometabolic and mortality outcomes: a prospective analysis of the UK Biobank cohort

Alvaro Torres-Martos, Augusto Anguita-Ruiz, Oscar Rangel-Huerta, Concepcion Aguilera, Carmen Piernas

NMCD36 Ultra-processed food consumption and biological aging in Italian adults from the Moli-sani Study cohort

Simona Esposito, Alessandro Gialluisi, Augusto Di Castelnuovo, Simona Costanzo, Emilia Ruggiero, Licia Iacoviello, Marialaura Bonaccio

NMCD37 Association between consumption of processed and ultra-processed foods and mortality: the EPIC study

Esther Gonzalez-Gil, Fernanda Rauber, Renata Bertazzi Levy, Marc Gunter, Christopher Millett, Laure Dossus, Inge Huybrechts

NMCD38 The sustained effect of food texture on eating rate and energy intake

Marieke Van Bruinessen, Lise Heuven, Marlou Lasschuijt, Els Siebelink, Markus Stieger, Kees De Graaf, Ciarán Forde

NMCD39 Adherence to the Mediterranean diet and ultra-processed foods consumption in a group of Italian patients with celiac disease

Marta Tristan Asensi, Giuditta Pagliai, Sofia Lotti, Antonia Napoletano, Barbara Colombini, Monica Dinu, Francesco Sofi

NMCD40 Dietary exposure to dioxins and polychlorobiphenyls (PCBs) and all-

Thibault Fiolet, Corinne Casagrande, Geneviève Nicolas, Epic Consortium, Marina Kvaskoff, Inge

cause mortality, cancer and cardiovascular mortalities in 9 European countries

Huybrechts, Francesca-Romana Mancini

NMCD41 Partial Least Square Cox Regression to investigate association between patterns of dietary exposure to persistent organic pollutants and breast cancer risk in the E3N cohort

Pauline Frenoy, Francesca Mancini, Vittorio Perduca

Hall B

Track: Nutrition across the lifecourse

Chairs: Jennie Parnham, Imperial College London, London, United Kingdom and Jelena Gudelj Rakic, National Institute for Public Health, Belgrade, Serbia

NALC22 Relationships between parental feeding practices and consumption of vegetables and fruits - the perspective of two generations

Marzena Jeżewska-Zychowicz, Aleksandra Małachowska, Zuzanna Siwiec

NALC23 Impact of the Universal Infant Free School Meal policy on the ultra-processed food content of children's lunchtime intake in England and Scotland

Jennie Parnham, Kiara Chang, Fernanda Rauber, Renata Levy, Anthony Laverty, Stephanie von Hinke, Eszter Vamos

NALC24 Low iodine status in a large pregnancy cohort in Ireland

Lisa Kelliher, Mairead Kiely, Jillian Brown, Yvonne O'Callaghan, Áine Hennessy

NALC25 Public procurement for school meal programmes in sub-Saharan Africa: nutritional outcomes, implementation challenges and programme enablers

Julia Liguori, Hibbah Araba Osei-Kwasi, Mathilde Savy, Silver Nanema, Amos Laar, Michelle Holdsworth

NALC26 Early pregnancy folic acid supplement use and folate status in the Alberta Pregnancy Outcomes and Nutrition (APrON) Study

Amy Tan, Maria Fernanda Mujica-Coopman, Nicole Letourneau, Deborah Dewey, Gerald Giesbrecht, Catherine Field, Yvonne Lamers

NALC27 Who needs family meals? Associations between eating together and dietary quality among Finnish children, fathers, and mothers

Henna Vepsäläinen, Reetta Lehto, Anna Abdollahi, Jenna Rahkola, Eva Roos, Carola Ray, Maijaliisa Erkkola

NALC28 Current trend in eating habits of Serbian adolescents – data from health behaviour in school-aged children study in Serbia

Jelena Gudelj Rakic, Biljana Kilibarda, Milena Vasic, Verica Jovanovic

Hall C

Track: Precision nutrition

Chairs: Daniele del Rio, University of Parma, Parma, Italy and Marija Knez, Institute for Medical Research, Belgrade, Serbia

PN1 Comparison of metabolic age and health-related quality of life (HRQoL) in three different pro-inflammatory conditions depending on weight

Amanda Cuevas-Sierra, Andrea Higuera-Gómez, Lourdes Chero-Sandoval, María Martínez-Urbistondo, Victor de la O, Raquel Castejón, Alfredo Martínez

PN2 The effects of adding personalization components to an existing combined lifestyle intervention on metabolic health in persons with overweight or obesity: the SLIMMER+ study

Regina Kamstra, Johanneke Oosterman, Dagmar Smid, Iris de Hoogh, Wilrike Pasman, Suzan Wopereis

PN3 Tailored food recommendations in facilitating dietary change: a rule-based personalized eating solution

Jenni Lappi, Adil Umer, Jaakko Lähteenmäki, Nesli Sözer

PN4 The Palatability dance– SNPs and genetic taste scores of umami, sweet, and bitter taste receptors (TAS1R and TAS2R genes)

Jean Leite, Jaqueline Pereira, Marcelo Rogero, Regina Fisberg, Flávia Sarti

PN5 Integrated analysis of genomic and GWAS data to identify candidate genes for genetic studies in flavonoids and vascular health: path to precise nutrition for (poly)phenols

Tatjana Ruskovska, Filip Postolov, Dragan Milenkovic

PN6 Analysis and prediction of postprandial metabolic response to multiple dietary challenges using dynamic mode decomposition

Viktor Skantze, Mats Jirstrand, Carl Brunius, Ann-Sofie Sandberg, Rikard Landberg, Mikael Wallman

PN7 Identification of phenolic metabolites after an Oral (Poly)phenol Challenge Test (OPCT) and their association with the cardiometabolic health status of 300 subjects

Pedro Mena, Cristiana Mignogna, José Fernando Rinaldi de Alvarenga, Leonardo Mancabelli, Davide Martorana, Alessandra Dei Cas, Daniele Del Rio

Room 9

Track: Nutrition, metabolism and chronic disease

Chair: Nicole Jankovic, Bonn University, Bonn, Germany and Aleksandra Jankovic, Institute for Biological Research "Siniša Stanković", Belgrade, Serbia

NMCD42 Carbohydrate (CHO) intake and quality during adolescence and association with HOMA2-IR in adulthood

Nicole Jankovic, Bianca Stutz, Bettina Krueger, Christian Herder, Stefan Wudy, Anette Buyken,

- The role of chronotype	Ute Alexy
NMCD43 Association between glycemic dips and the feeling of hunger after a high glycemic index breakfast among students with earlier and later chronotype- a secondary analysis	Bianca Stutz, Janina Goletzke, Bettina Krueger, Nicole Jankovic, Christian Herder, Anette Buyken
NMCD44 Improvement in vitamin D status and long-term incidence of type 2 diabetes in the general Finnish population – evidence based on cohort and register datasets	Folasade Adebayo, Suvi Itkonen, Tuija Jääskeläinen, Tommi Härkänen, Kevin Cashman, Maijaliisa Erkkola, Christel Lamberg-Allardt
NMCD45 Acute effects of spirulina consumption on glucose metabolism and blood pressure in healthy participants: Results from two crossover randomized controlled trials	Foteini Lympaki, Marianna Giannoglou, Dionysia Lydia Bothou, Varvara Andreou, Georgios Theodorou, George Katsaros, Emilia Papakonstantinou
NMCD46 Aldafermin-producing Escherichia coli Nissle 1917 improved metabolic pathways of non-alcoholic fatty liver disease murine model	Valeria Iannone, Ambrin Farizah Babu, Johnson Lok, Carlos Gomez-Gallego, Hani El-Nezami, Morten Otto Alexander Sommer, Marjukka Kolehmainen
NMCD47 Nutritional status of nursing home residents in Akureyri, Iceland	Berglind Blondal
NMCD48 HOMEFOOD randomised trial – Six-month nutrition therapy in discharged older adults reduces hospital readmissions and length of stay at hospital up to 18 months of follow-up	Berglind Blondal, Alfons Ramel, Olof Geirsdottir, Thorhallur Halldorsson, Anne Beck, Palmi Jonsson

Room 11

Track: Dietary studies, guides and recommendations

Chairs: Jason Halford, University of Leeds, Leeds, United Kingdom and Jelena Helena Cvejic, University of Novi Sad, Novi Sad, Serbia

DSGR29 New standards for nutrition science, concepts and methods - Low socioeconomic status and overweight: Participatory research designs for the development of interventions	Tim Van Zutphen, Claire Gaudichon, Jakub Morze, Liana Poulia, Gonçalo Rosa da Silva, Ascensión Marcos, Hinke Haisma
DSGR30 New standards for nutrition science, concepts and methods - Novel approach to substantiate cause-and-effect relationships in nutritional science by ranking studies and subsequent	Wim Calame, Isabel Slurink, Andrea Budelli, Hinke Haisma

statistical modelling

DSGR31 Measuring dietary adherence in randomized controlled trials and identifying failure to adhere to diet: A Scoping Review
Dora Babic Cikos, Maeve Kerr, Anna Danielewicz, Oonagh Markey, Eka Bobokhidze

DSGR32 Exploring the impact of basal metabolic rate equations on goldberg cut-offs: influence on estimated usual energy intake in the elderly
Živa Lavriša, Igor Pravst, Hristo Hritsov

DSGR33 Adherence to French dietary guidelines is associated with a reduced risk of all-cause, cardiovascular diseases, all, breast and lung cancer mortality in the E3N COHORT
Chloé Marques, Pauline Frenoy, Nasser Laouali, Sanam Shah, Gianluca Severi, Francesca Romana

DSGR34 Effect of fibre fortification of rice on type 2 diabetes and cardiovascular risk prevention in the Chinese population: an integrated modelling and clinical approach
Davide Risso, Thomas Teh, Ying Yang, Kavita Karnik, Ieva Laurie, Marietta Sayegh

DSGR35 Tea flavonoids – is it time to consider dietary recommendations for these? An evidence update
Timothy Bond, Emma Derbyshire

DSGR36 Effects of non-nutritive sweetened beverages vs water after a 52-week weight management programme: a randomised control trial
Jason Halford, Charlotte Hardman, Paul Christiansen, Cristina Radu, Paula Thorp, Paul Thomas, Joanne Harrold

Room 13

Track: Nutrition and the environment, sustainability and diversity

Chair: Marion Tharrey, Luxemburg Institute of Health, Luxemburg and

NESD15 Opportunities for organic product market development with regard to the survey conducted among students from the Warsaw University of Life Sciences
Justyna Obidzińska, Katarzyna Kucińska

NESD16 Neighbourhood food environment exposure and diet quality in rural and urban adults: a longitudinal analysis of the ORISCAV-LUX study
Marion Tharrey, Torsten Bohn, Olivier Klein, Laurent Malisoux, Camille Perchoux

NESD17 Acceptance of alternative meats in a multiethnic Asian cohort: a
Mary Chong, Airu Chia, Yiyun Shou, Nicole Wong, David Cameron-Smith, Xueling Sim, Rob Van Dam

comparison of plant-based meat alternatives, cultured meat, and insect-based products

NESD18 The role of ultra-processed foods in plant-based diets: Associations with human health and environmental sustainability

Merel Daas, Reina Vellinga, Maria Gabriela Pinho, Jolanda Boer, Monique Verschuren, Yvonne van der Schouw, Pieter van 't Veer, Sander Biesbroek

NESD19 A switch towards a more sustainable diet for older adults: implications for protein intake based on a simulation study

Pol Grootswagers, Jos Borkent, Marian De van der Schueren, Joost Linschooten, Annet Roodenburg, Inge Tetens, Marielle Timmer

NESD20 Evaluating optimized diets based on production system and consumption modelling techniques

Samantha Heerschop, Renee Cardinaals, Sander Biesbroek, Pieter van 't Veer, Hannah van Zanten

NESD21 Improving nutrient quality, environmental sustainability, and affordability of diets for Chinese consumers while considering diet preference: a benchmarking approach

Zhiyao Chang, Sander Biesbroek, Pieter van 't Veer, Xin Wen, Shenggen Fan, Hongyi Cai, Elise Talsma

Room 14

Track: Cultural, societal and behavioural aspects of diet and nutrition

Chairs: Ellen van Kleef, Wageningen University and Research, Wageningen, The Netherlands and Vesna Palibrk, City Institute of Public Health, Belgrade, Serbia

CSBADN8 Association between mindful eating and food consumption in the NutriNet-Santé cohort study

Pauline Paolassini-Guesnier, Marion Van Beekum, Rebecca Shankland, Angélique Rodhain, Emmanuelle Kesse-Guyot, Mathilde Touvier, Sandrine Péneau

CSBADN9 Higher ultra-processed foods (UPF) intake is associated with poorer overall dietary quality compared to lower UPF intake: results from a pilot study

Marios Skordis, Maria Ioannidou, Dionisia Sarakini, Tereza Santeladze, Afrodit Korogiannaki, Evaggelia Fappa

CSBADN10 Orthorexia nervosa in UK cyclists: associations with excessive exercise and perfectionism

Kyriaki Myrissa, Catriona MacIntosh, Eirini Kelaiditi

CSBADN11 Advancing food consumer science to facilitate health and sustainability transitions: Bridging complexity, collaboration, and ensuring FAIR data

Ellen van Kleef, Machiel Reinders, Elena Horská, Barbara Koroušić Seljak, Liisa Lähteenmäki, Lada Timotijevic, Hans van Trijp

CSBADN12 Place of residence is associated with dietary intake and BMI-SDS in children and adolescents: findings from the DONALD cohort study

Janosch Klemm, Ines Perrar, Christian Borgemeister, Ute Alexy, Ute Nöthlings

CSBADN13 Cooking workshop for preventing malnutrition in the elderly: participants' social roles, expectations and related effects on food habits

Julie Mayer

CSBADN14 Role of food choice motives in the socioeconomic disparities in diet quality and obesity outcomes in Kenya

Cecilia Maina, Lukas Kornher, Joachim von Braun

Room 16

Track: Nutrition, metabolism and chronic disease

Chairs: Kirsi Laitinen, Turku University, Turku, Finland and Ivana Djuricic, University of Belgrade, Belgrade, Serbia

NMCD49 The Big Poo Review: A ZOE Health Study deep dive into the UK's bowel habits

Inbar Linenberg, Kate Bermingham, Arnab Pushilal, Tim Spector, Jonathan Wolf, Sarah Berry, William Bulsiewicz

NMCD50 Gut microbiome changes in coeliac patients in response to gluten free diet: role of fibre metabolism and gut transit time

Frederick Warren, Carolyn Costigan, Luca Marciani, Falk Hildebrand, Robin Spiller

NMCD51 High protein diets have the potential to reduce gut barrier function in a sex-dependent manner

Daniel James, Gemma Walton, John Gibson, Stephen Elmore, Bruce Griffin, Denise Robertson, Marie Lewis

NMCD52 The relative abundances of potential butyrate producers during pregnancy are influenced by prediabetes status at two-year postpartum

Veera Houttu, Noora Houttu, Chouaib Benchraka, Ella Muhli, Harri Niinikoski, Leo Lahti, Kirsi Laitinen

NMCD53 Urinary metabolomic signature of protein and amino acid deficiency

Gaëtan Roisné-Hamelin, Dalila Azzout-Marnic, Sarita Devi, Jean-Charles Martin, Anura Kurpad, Claire Gaudichon, Delphine Jouan-Rimbaud Bouveresse

NMCD54 The level of methionine deficiency determine its effects on energy metabolism in growing rats

Gaëtan Roisné-Hamelin, Celine Cansell, Catherine Chaumontet, Anne Blais, Julien Piedcoq, Claire Gaudichon, Dalila Azzout-Marniche

NMCD55 Arabic gum and selenium-

Adrien Noel, Mathilde Leboutte, Kanhia Aublé,

enriched yeast supplementation improves nutritional parameters and intestinal barrier function in enteropathy associated malnutrition model in mice

Fanny Morel-Despeisse, Rachel Marion-Letellier

Room 1

Track: Nutrition and the environment, sustainability and diversity

Chairs: Jelena Meinilä, University of Helsinki, Helsinki, Finland and Igor Spiroski, Department of Nutrition, IPH, Skopje, North Macedonia

NESD22 Multi-criteria analysis of the sustainability of diets according to food-group contribution to protein intake

Hafsa Toujgani, Joséphine Brunin, Benjamin Allès, Mathilde Touvier, Philippe Pointereau, Julia Baudry, Emmanuelle Kesse-Guyot

NESD23 Gratitude is associated with a healthier and more sustainable diet in the NutriNet-Santé population based study

Sandrine Peneau, Margaux Robert, Rebecca Shankland, Emmanuelle Kesse-Guyot, Christophe Leys, Mathilde Touvier, Benjamin Allès

NESD24 Mapping the evidence of novel plant-based foods: A systematic review of nutritional, health, and environmental impacts in high-income countries

Sarah Najera Espinosa, Genevieve Hadida, Anne Jelmar Sietsma, Carmelia Alae-Carew, Garce Turner, Rosemary Green, Pauline Scheelbeek

NESD25 Association between the Planetary Health Diet Index and cardiovascular health status among European adolescents: the HELENA study

Leandro Cacau, Inge Huybrechts, Giles Hanley-Cook, Thaïs De Ruyter, Dirce Marchioni, Stefaan De Henauw, Luis Moreno

NESD26 Negative and positive experiences and perceptions of diets differing in their animal- and plant-sourced proteins among healthy intervention volunteers

Tiina Pellinen, Antti Isokangas, Petra Rautio, Maijaliisa Erkkola, Anne-Maria Pajari, Piia Jallinoja

NESD27 Implications for nutrition, expenditure, and planetary boundary of greenhouse gas emissions of different protein purchase clusters

Jelena Meinilä, Rachel Mazac, Henna Vepsäläinen, Juha-Matti Katajajuuri, Mikael Fogelholm, Maijaliisa Erkkola, Jaakko Nevalainen

NESD28 Adapting legume/meat portion sizes on plates to enhance legume consumption in restaurants: impact on appreciation and food intake

Anestis Dougkas, Audrey Cosson, Maxime Sebbane

Room 2

Track: Nutrition across the lifecourse

Chairs: Marko Kerac, London School of Hygiene & Tropical Medicine, London, United Kingdom and Marija Andjelkovic, University Singidunum, Belgrade, Serbia

NALC29 Nutritional status and eating behaviors of athletes with eating disorders

Marija Andjelkovic, Nenad Dikic, Tamara Stojmenovic, Ivan Nikolic, Vera Blazencic Mladenovic, Jelena Bekic

NALC30 Ten hour time-restricted eating (TRE) is associated with improvements in energy, mood, hunger and weight in free-living settings: The ZOE BIG IF Study

Kate Bermingham, Arnab Pushilal, Lorenzo Polidori, Jonathan Wolf, Will Bulsiewicz, Tim Spector, Sarah Berry

NALC31 Does physical activity level relate to food intake, appetite, and body composition in older adults?

Dilara Dericioglu, Lisa Methven, Miriam Clegg

NALC32 CHANGE: a multi-country cohort project exploring Child malnutrition & Adult Non-communicable disease: Generating Evidence on mechanistic links to inform future policy/practice

Marko Kerac, CHANGE study collaborators group

NALC33 Catch-up growth and clinical outcomes of severe childhood malnutrition in adolescence: a prospective cohort of severely malnourished children, siblings, and matched controls

Amir Kirolos, Marko Kerac, Melissa Gladstone, Samantha Lissauer, CHANGE study collaborators group

NALC34 Rate of weight gain among children with severe malnutrition in therapeutic feeding programmes: A systematic review and meta-analysis

Grace O'Donovan, Marko Kerac, Debbie Thompson, Kimberley McKenzie, Mubarek Abera, Daniel Allen, CHANGE study collaborators group