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
Maira Saperas-Ghezali, Mélanie Magnan, Karine Labadie, Olivier Tenailleon, 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 Biltoft-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 Garry, 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, Raija 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

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**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 Nähr 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

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**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...
Nutri-Score to discriminate between environmental impact of foods

**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 Valderrama, 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

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Room 13  
Track: Nutrition across the life course  
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 Schlussel, 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

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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 agrowaste 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

**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, Mailhilde Touvier

**NMCD14** Meat-based diet significantly affects risk parameters for colorectal cancer: the MeaTlc dietary intervention study
Monica Dinu, Giuditta Pagliai, Sofia Lotti, Carlotta De Filippo, Lisa Giovannelli, Giovanna Caderni, Francesco Sofi

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Room 1
Track: Nutrition, metabolism and chronic disease

Chairs: Esther Gonzalez-Gil, International Agency for Research on Cancer, France and Aleksandra Jankovic, Institute for 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 Lamport, Matthew Grout, Julie
manipulating glycaemic response for cognitive and mood outcomes in type 2 diabetes: a randomized crossover trial

**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


**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

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**Room 2**

Track: Dietary bioactives

**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 Rességuiér, 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 insulminic responses: A randomized controlled clinical trial in healthy adults

Nikolaos Zacharodimos, Christina Athanassaki, Stamata 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 Główka

**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 The 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 *Lactilactobacillus 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

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**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)**

Baukjede 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 Löytyniemi, 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

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### 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

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<th>DSGR15</th>
<th>Validation of the rapid Prime Dietary Quality Screener (rPDQS), a brief dietary assessment tool with simple traffic light scoring</th>
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<td>Selma Kronsteiner Gicevic, Monique Tello, Elizabeth Lincoln, Uma Naidoo, Teresa Fung, Walter Willett, Anne Thorndike</td>
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<th>DSGR16</th>
<th>Adherence to the Mediterranean diet and its food groups consumption in a sample of over than 10,000 Italian adults</th>
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<td>Sofia Lotti, Monica Dinu, Giuditta Pagliai, Marta Tristan, Antonia Napoletano, Barbara Colombini, Francesco Sofi</td>
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<th>DSGR17</th>
<th>Vitamin D and cardiovascular disease risk: using outcomes to guide future nutrition science</th>
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<th>DSGR18</th>
<th>Ultra-processed food consumption in Iceland</th>
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<td>Steina Gunnarsdóttir, Rut Arnardóttir, Ólöfguðný Geirsdóttir, Þórhallur Ingi Halldórsson, Ólafur Ögmundarson, Ingibjörg Gunnarsdóttir, Bryndís Eva Birgisdóttir</td>
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<th>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(OHD3): a meta-analysis</th>
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<th>DSGR20</th>
<th>Effects of plant origin superoxide dismutase supplementation on selected parameters of inflammation and white blood cell count in athletes</th>
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<td>Olina Dudašova Petrovičova, Ivan Stanković, Brižita Đorđević, Neda Milinković, Violeta Dopsaj, Milivoj Dopsaj</td>
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### 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, Majaliisa 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 Päiväranta

**NMCD180** The future burden of type 2 diabetes in Belgium: a microsimulation model  
José L. Peñalvo, Junior Ocira, Diana Sagastume, María 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, Aliki Kalmpongztidou, Emilia Ruggiero, Marialaura Bonaccio, Francesca Scaczzina

**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

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**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

**DB11** Flavonoids, their metabolites and their antiplatelet effects
Fernandez, Alvaro Santana-Garrido, Ana Cerezo, Ruth Hornedo-Ortega, Ana Troncoso

**DB12** Potential health benefits of blueberry and raspberry pomace as functional food ingredients: dietetic intervention study on healthy women volunteers
Premysl Mladenka, Marcel Hrubsa, Lukas Konecny, Alejandro Carazo

**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
Tamara Popović, Bojana Saric, Jasmina Debeljeka Martacic, Aleksandra Arsic, Pavle Jovanov, Edita Stokic, Aleksandra Misan

**DB14** The impact of inorganic nitrate rich beetroot juice on microvascular blood flow and cognitive function and other hemodynamic outcomes in postmenopausal women
Christina Athanasaki, Nikolaos Zacharodimos, Sofia Tsitsou, Dionysia-Lydia, Stamatia Vitsou-Anastasiou, Olga Papadopoulou, Emilia Papakonstantinou

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**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

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### 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 Desboys

**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 Zougrana, 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

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### 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, Aluisio Barros, Ali Dhansay

CSBADN6 Consumer acceptance and nutritional expectations of microalgae protein products: insights from a cross-European study

Christine Yung Hung, Hélène 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 Tristant 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

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**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 Krбавčić

**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, Francoise Nau, Sophie Vinoy

**FS13** Influence of freezing methods on the quality parameters of frozen globe artichokes

Beyzanur Bayraktar, Ahmet Görgüç, Kardelen Demirci, Fatih Mehmet Yılmaz

**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

**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

Huybrechts, Francesca-Romana Mancini

Pauline Frenoy, Francesca Mancini, Vittorio Perduca

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**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 Malachowska, 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

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**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, Víctor 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 metabolotypes 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 Alvearenga, Leonardo Mancabelli, Davide Martorana, Alessandra Dei Cas, Daniele Del Rio

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**Room 9**

**Track: Nutrition, metabolism and chronic disease**

**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, Nicole Jankovic, Bonn University, Bonn, Germany and Aleksandra Jankovic, Institute for Institute for Biological Research "Siniša Stanković", Belgrade, Serbia
The role of chronotype

**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 Goetzke, 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

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**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

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**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, Afrodiit 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

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**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


**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-
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, Thaís 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, Pia 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
<table>
<thead>
<tr>
<th>NALC29</th>
<th>Nutritional status and eating behaviors of athletes with eating disorders</th>
<th>Marija Andjelkovic, Nenad Dikic, Tamara Stojmenovic, Ivan Nikolic, Vera Blazencic Mladenovic, Jelena Bekic</th>
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<tbody>
<tr>
<td>NALC30</td>
<td>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</td>
<td>Kate Bermingham, Arnab Pushilal, Lorenzo Polidori, Jonathan Wolf, Will Bulsiewicz, Tim Spector, Sarah Berry</td>
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<tr>
<td>NALC31</td>
<td>Does physical activity level relate to food intake, appetite, and body composition in older adults?</td>
<td>Dilara Dericioglu, Lisa Methven, Miriam Clegg</td>
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<tr>
<td>NALC32</td>
<td>CHANGE: a multi-country cohort project exploring Child malnutrition &amp; Adult Non-communicable disease: Generating Evidence on mechanistic links to inform future policy/practice</td>
<td>Marko Kerac, CHANGE study collaborators group</td>
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<tr>
<td>NALC33</td>
<td>Catch-up growth and clinical outcomes of severe childhood malnutrition in adolescence: a prospective cohort of severely malnourished children, siblings, and matched controls</td>
<td>Amir Kirolos, Marko Kerac, Melissa Gladstone, Samantha Lissauer, CHANGE study collaborators group</td>
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<tr>
<td>NALC34</td>
<td>Rate of weight gain among children with severe malnutrition in therapeutic feeding programmes: A systematic review and meta-analysis</td>
<td>Grace O'Donovan, Marko Kerac, Debbie Thompson, Kimberley McKenzie, Mubarek Abera, Daniel Allen, CHANGE study collaborators group</td>
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