14th European Nutrition Conference
Preliminary Daily Programme
for Oral Presentations
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<th><strong>Track:</strong> Dietary studies, guides and recommendations</th>
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<td>Demosthenes Panagiotakos, Harokopio University, Athens, Greece and Branislava Teofilovic, University of Novi Sad, Novi Sad, Serbia</td>
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<td><strong>DSGR1</strong></td>
<td>Opportunities for food reformulation: Food texture and energy density affect dietary behaviour</td>
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<td>Marlou Lasschuijt, Lise Heuven, Els Siebelink, Yong Chen, Ciarán Forde</td>
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<td><strong>DSGR2</strong></td>
<td>Nutritional quality of dietary intakes as graded by the Nutri-Score nutrient profile and blood biomarker concentrations in a multi-country European context</td>
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<td>Mélanie Deschasaux-Tanguy, Inge Huybrechts, Chantal Julia, Serge Hercberg, Elio Riboli, Mathilde Touvier, EPIC collaborators</td>
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<td><strong>DSGR3</strong></td>
<td>Association between dietary fiber intake and <em>Escherichia coli</em> diversity and antibiotic resistance</td>
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<td>Maïra Saperas-Ghezali, Mélanie Magnan, Karine Labadie, Olivier Tenaillon, Mathilde Touvier, Mathilde Lescat, Mélanie Deschasaux-Tanguy</td>
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<td><strong>DSGR4</strong></td>
<td>Is thinness associated with poorer diet and nutrient intake and status in Danish 8-11-year-olds?</td>
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<td>Anne Aurup, Katrine Strandberg-Larsen, Rikke Andersen, Anja Biltoft-Jensen, Lotte Lauritzen, Camilla Damsgaard</td>
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<td><strong>DSGR5</strong></td>
<td>Two gold kiwifruit daily for effective treatment of constipation in adults—A randomised clinical trial with multi-omics approach</td>
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<td>Simone Bayer, Diana Cabrera, Caterina Carco, Karl Fraser, Wayne Young, Richard Gearry, Nicole Roy</td>
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<td><strong>DSGR6</strong></td>
<td>Effect of obesity prevalence on vitamin C intake requirements</td>
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<td>Julia Bird, Edith Feskens, Alida Melse-Boonstra</td>
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<td><strong>DSGR7</strong></td>
<td>Evaluating affordability of healthier diets in four African countries</td>
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<td>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 Lanto</td>
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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 Huybretschs, 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
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<td>NALC3</td>
<td>Metabolic hormone levels in infants fed formulas with age-adapted protein concentrations from birth to 12 months</td>
<td>Jibran Wali, Manuel Ramos, Corinne Zufferey, Nicholas Hays, Jean-Charles Picaud</td>
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<td>NALC4</td>
<td>Effects of subsequent whole-grain rye and refined wheat-based meals on postprandial glycaemia, subjective appetite and enteroendocrine derived hormones</td>
<td>Sebastian Åberg, Marie Palmnäs-Bédard, Therese Karlsson, Thérèse Hjorth, Rikard Landberg, Kia Nøhr Iversen</td>
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<td>NALC5</td>
<td>Improved cardiometabolic health using a personalised nutrition approach: The ZOE METHOD study</td>
<td>Kate Bermingham, Inbar Linnenberg, Lorenzo Polidori, Jonathan Wolf, William Bulsiewicz, Tim Spector, Sarah Berry</td>
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<td>NALC6</td>
<td>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</td>
<td>Alice Rosi, Ricardo Teixo, Nanci Batista, Lorena Calderón-Pérez, Antoni Caimari, Francesca Scazzina</td>
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<td>NALC7</td>
<td>Association between physical activity energy expenditure and continuous glucose monitor derived metrics; data from the ZOE PREDICT 1 study</td>
<td>Harry Smith, Kate Bermingham, Anna May, Jonathan Wolf, Javier Gonzalez, Tim Spector, Sarah Berry</td>
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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

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<tr>
<td>NESD1</td>
<td>Climate-friendly, health-promoting, and culturally acceptable diets for Belgian adult omnivores, pescatarians, vegetarians, and vegans</td>
<td>Alexandr Parlesak, Kia Reis, Talia Masino, Patricia Eustachio Colombo, Inge Tetens</td>
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<td>NESD2</td>
<td>Climate-friendly, health-promoting, and culturally acceptable diets for German adult omnivores, pescatarians, vegetarians, and vegans: a linear programming approach</td>
<td>Alexandr Parlesak, Talia Masino, Patricia Eustachio Colombo, Kia Reis, Inge Tetens</td>
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<td>NESD3</td>
<td>Validity of REFRESH, a new screener for assessing an environmentally sustainable and healthy diet</td>
<td>Ujué Fresán, Anna Boronat, Giannoula Mitsia, Maira Bes-Rastrollo, Itziar Zazpe, Rafael De la Torre, Guillaume Chevance</td>
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<td>NESD4</td>
<td>Investigating the potential of ...........................................................................</td>
<td>Elly Steenbergen, Reina Vellinga, Elisabeth</td>
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Nutri-Score to discriminate between environmental impact of foods

REINA VELINGA, ELLY STEENBERGEN, ELISABETH TEMME, H. RIPPIN, C. MOTTA, G.B. GONZALES, C. FARRAND, K. WICKRAMASINGHE

**Nesd5** Nutritional composition of ultra-processed plant-based foods in the out-of-home setting: a case-study with vegan burgers

Armando Perez-Cueto, Rosaluz Valderrama-Romero, Jean-Paul Garin, Inês Magalhães

**Nesd6** Can plant-based diets facilitate dietary transition in Bolivia? Exploratory study

Neeta Singh

**Nesd7** Role of proximal determinants of undernutrition: Community Based Participatory Research (CBPR) in Bukoba Rural, Republic of Tanzania

**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 Gurinovic, 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 Gurinovic
**Antioxidant supplementation reduces sperm DNA fragmentation and improves sperm motility**

**Weight loss effect of an app-based multimodal lifestyle intervention in adults with obesity – a randomized controlled trial**

**Prevalence of undernutrition and its association with cognitive decline and incident dementia: results from the collaborative PROMED-COG pooled cohorts study**

**Taste impairments in neurological conditions: a hindrance to dietary intake**

**Reproducibility and transparency practices in a sample of nutrition or diet-related randomised controlled trial publications: a cross-sectional meta-research**

**Associations between the dietary inflammatory index, the gut microbiome, and nutritional status in healthy elderly**

**Quantifying the coexistence of multiple forms of malnutrition: A systematic literature review and meta-analysis of prevalence estimates across Latin America**

**Birth size modifies longitudinal associations between midlife educational level and physical function at late-life for men and women**

**Whole-grain intake in mid-life and healthy ageing in the Danish Diet, Cancer and Health cohort**

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**Room 13**

**Track: Nutrition across the life course**

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

**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

**Taste impairments in neurological conditions: a hindrance to dietary intake**

Catherine Graham, Harry Stevens, Francesco Piluso, Paolo Gasparini, Maria Pina Concas

**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

**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

**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

**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

**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
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
| **Room 1** |  
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| **Track**: Nutrition, metabolism and chronic disease |  

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<th><strong>NMCD10</strong></th>
<th>Dose-response relationships of five dietary patterns with risk of cancer: Findings from the UK Biobank study.</th>
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<td><strong>NMCD11</strong></td>
<td>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</td>
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<td><strong>NMCD12</strong></td>
<td>Prognostic role of polyunsaturated fatty acids in the adipose tissue of colorectal cancer patients</td>
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<td><strong>NMCD13</strong></td>
<td>Fifty shades of food colours – Associations with cancer risk in a French cohort</td>
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<td><strong>NMCD14</strong></td>
<td>Meat-based diet significantly affects risk parameters for colorectal cancer: the MeaTlc dietary intervention study</td>
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**Chairs**: Esther Gonzalez-Gil, International Agency for Research on Cancer, France and Aleksandra Jankovic, Institute for Institute for Biological Research "Siniša Stanković", Belgrade, Serbia |

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<th><strong>NMCD15</strong></th>
<th>The role of nutritional factors in cognitive health in ageing: Shedding new light through systematic review with meta-analysis of intervention studies.</th>
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<td><strong>NMCD16</strong></td>
<td>An observational study of the effect of diet and micronutrient intake on the association between depression and gastrointestinal symptoms via an online survey tool.</td>
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<td><strong>NMCD17</strong></td>
<td>Eating habits and sleep quality in patients with type 1 diabetes on advanced technologies</td>
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<td><strong>NMCD18</strong></td>
<td>A multi-meal paradigm</td>
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### 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 MEDGI-Carb-intervention trial

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

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### 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 insulminic responses: A randomized controlled clinical trial in healthy adults

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

**DB5** The effect of betaine

Emilia Zawieja, Marcin Sadowski, Agata

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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 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, Guillen Gillrt, Sana Raouche

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

Fermin Milagro, Ignacio Goyache Affilation, 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 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, Ólöfguðný 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(OHD3): 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 Dorđević, Neda Milinković, Violeta Dopsaj, Milivoj Dopsaj
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<td>DSGR21</td>
<td>Effect of a new graphically modified Nutri-Score on the objective understanding of foods’ nutrient profile and ultra-processing – a randomised controlled trial</td>
<td>Bernard Srour, Serge Hercberg, Pilar Galan, Carlos Augusto Monteiro, Mélanie Deschasaux-Tanguy, Chantal Julia, Mathilde Touvier</td>
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<td>Hall B</td>
<td>Track: Nutrition, metabolism and chronic disease</td>
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<td>Chairs: Suvi Itkonen, University of Helsinki, Finland and Marija Takic, Institute for Medical Research, Belgrade, Serbia</td>
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<td>NMCD22</td>
<td>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</td>
<td>Suvi Itkonen, Topi Hovinen, Elina Kettunen, Riitta Freese, Maijaliisa Erkkola, Anu Suomalainen, Liisa Korkalo</td>
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<td>NMCD23</td>
<td>Circulating NMR metabolites in white and British Indian vegetarians and non-vegetarians in the UK Biobank</td>
<td>Tammy Tong, Julie Schmidt, Timothy Key, Ruth Travis</td>
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<td>NMCD24</td>
<td>Changes in body composition (using DEXA) on an 8-week plant-based meat analogue or animal-based meat diet – A randomised controlled trial</td>
<td>Darel Wee Kiat Toh, Amanda Simin Fu, Kervyn Ajay Mehta, Nicole Yi Lin Lam, Sumanto Haldar, Christiani Jeyakumar Henry</td>
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<td>NMCD25</td>
<td>Dairy consumption and incident prediabetes: prospective associations and network models in the large population-based Lifelines study</td>
<td>Isabel Slurink, Eva Corpeleijn, Stephan Bakker, Joran Jongerling, Nina Kupper, Tom Smeets, Sabita Soedamah-Muthu</td>
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<td>NMCD26</td>
<td>Is there a challenge in sodium intake with a shift towards plant-based diets? - Results from two randomized clinical trials in healthy Finnish adults</td>
<td>Anne-Maria Pajari, Meri Mustakallio, Suvi Itkonen, Tiina Pellinen, Mikko Lehtovirta, Essi Päivärinta</td>
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<td>NMCD27</td>
<td>Quantity and variety in fruit and vegetable consumption and mortality in older Chinese</td>
<td>Lin Xu</td>
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<td>Hall C</td>
<td>Track: Nutrition and the environment, sustainability and diversity</td>
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<td>Chairs: Maria Somaraki, INRAE, France and Igor Spiroski, Department of Nutrition, IPH, Skopje, North Macedonia</td>
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**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, Ailiki Kalmpourtzidou, 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 Perrignon, 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 Erdoğdu, 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


**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

Méléanie 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
**CSBADN1** War-induced disrupted eating behaviors in Ukrainian school-aged children

Maria Gulich, Dina Fedorova, Olena Petrenko, Henna Vepsäläinen and Majaliisa 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 Wongpawras, 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, 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

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**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-Salvadó

**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 Samarín, University of Zagreb, Zagreb, Croatia and Irzada Taljic, University of Sarajevo, Sarajevo, Bosna and Herzegovina

**FS8** The EU Food And Beverage Labels Explorer (FABLE) – an 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, Cécile 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

**FS11** Is there an association between sodium-based additives and total sodium content of foods?  
Ivica Vrdoljak, Marija Đurić, Antonija Sulimanec, Ankica Sekovanić, Ines Panjkota Krbavčić

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

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

**FS13** Influence of freezing methods on the quality parameters of frozen globe artichokes  
Ashi Khare, Amit Arora

**FS14** Exploring the impact of traditional processing techniques on mineral content and bio-accessibility of six iron-rich ingredients

Room 2  
Track: Nutrition across the lifecourse

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

**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 supplements  
Áine Hennessy, Lisa Kelliher, Yvonne O’Callaghan, Jillian Brown, Mairead Kiely
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<th>Session</th>
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<td>NALC20</td>
<td>Comparison of vegan and omnivorous diets in pregnant women: first results of the PREGGIE study</td>
<td>Sarah Schmincke, Katharina Feuerlein, Stine Weder, Ute Alexy, Alfred Längler, Markus Keller</td>
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<td>NALC21</td>
<td>LC-MS based metabolomics for dietary biomarker discovery in a cohort of pregnant and lactating women and their infants</td>
<td>Mia Stråvik, Olle Hartvigsson, Anna Sandin, Agnes Wold, Malin Barman, Ann-Sofie Sandberg</td>
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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

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<tr>
<td>NMCD35</td>
<td>An unhealthy dietary pattern-related metabolic signature is associated with cardiometabolic and mortality outcomes: a prospective analysis of the UK Biobank cohort</td>
<td>Alvaro Torres-Martos, Augusto Anguita-Ruiz, Oscar Rangel-Huerta, Concepcion Aguilera, Carmen Piernas</td>
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<tr>
<td>NMCD36</td>
<td>Ultra-processed food consumption and biological aging in Italian adults from the Moli-sani Study cohort</td>
<td>Simona Esposito, Alessandro Gialluisi, Augusto Di Castelnuovo, Simona Costanzo, Emilia Ruggiero, Licia Iacoviello, Marialaura Bonaccio</td>
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<tr>
<td>NMCD37</td>
<td>Association between consumption of processed and ultra-processed foods and mortality: the EPIC study</td>
<td>Esther Gonzalez-Gil, Fernanda Rauber, Renata Bertazzi Levy, Marc Gunter, Christopher Millett, Laure Dossus, Inge Huybrechts</td>
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<tr>
<td>NMCD38</td>
<td>The sustained effect of food texture on eating rate and energy intake</td>
<td>Marieke Van Bruinessen, Lise Heuven, Marlou Lasschuijt, Els Siebelink, Markus Stieger, Kees De Graaf, Ciarán Forde</td>
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<td>NMCD39</td>
<td>Adherence to the Mediterranean diet and ultra-processed foods consumption in a group of Italian patients with celiac disease</td>
<td>Marta Tristan Asensi, Giuditta Pagliai, Sofia Lotti, Antonia Napoletano, Barbara Colombini, Monica Dinu, Francesco Sofi</td>
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<td>NMCD40</td>
<td>Dietary exposure to dioxins and polychlorobiphenyls (PCBs) and all-cause mortality, cancer and</td>
<td>Thibault Fiolet, Corinne Casagrande, Geneviève Nicolas, Epic Consortium, Marina Kvaskoff, Inge</td>
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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

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<tr>
<th>NALC22</th>
<th>Relationships between parental feeding practices and consumption of vegetables and fruits - the perspective of two generations</th>
<th>Marzena Jeżewska-Zychowicz, Aleksandra Malachowska, Zuzanna Siwiec</th>
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<td>NALC23</td>
<td>Impact of the Universal Infant Free School Meal policy on the ultra-processed food content of children's lunchtime intake in England and Scotland</td>
<td>Jennie Parnham, Kiara Chang, Fernanda Rauber, Renata Levy, Anthony Laverty, Stephanie von Hinke, Eszter Vamos</td>
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<td>NALC24</td>
<td>Low iodine status in a large pregnancy cohort in Ireland</td>
<td>Lisa Kelliher, Mairead Kiely, Jillian Brown, Yvonne O'Callaghan, Áine Hennessy</td>
</tr>
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<td>NALC25</td>
<td>Public procurement for school meal programmes in sub-Saharan Africa: nutritional outcomes, implementation challenges and programme enablers</td>
<td>Julia Liguori, Hibbah Araba Osei-Kwasi, Mathilde Savy, Silver Nanema, Amos Laar, Michelle Holdsworth</td>
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<td>NALC26</td>
<td>Early pregnancy folic acid supplement use and folate status in the Alberta Pregnancy Outcomes and Nutrition (APrON) Study</td>
<td>Amy Tan, Maria Fernanda Mujica-Coopman, Nicole Letourneau, Deborah Dewey, Gerald Giesbrecht, Catherine Field, Yvonne Lamers</td>
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<td>NALC27</td>
<td>Who needs family meals? Associations between eating together and dietary quality among Finnish children, fathers, and mothers</td>
<td>Henna Vepsäläinen, Reetta Lehto, Anna Abdollahi, Jenna Rahkola, Eva Roos, Carola Ray, Maijaliisa Erkkola</td>
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<td>NALC28</td>
<td>Current trend in eating habits of Serbian adolescents – data from health behaviour in school-aged children study in Serbia</td>
<td>Jelena Gudelj Rakic, Biljana Kilibarda, Milena Vasic, Verica Jovanovic</td>
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### Hall C

**Track: Precision nutrition**
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 metabotypes 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 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, Ute Alexy
- 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 Goeltzke, 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 Lydias 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, Alfonso Ramel, Olof Geirsdottir, Thorhallur Halldorsson, Anne Beck, Palmi Jonsson

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**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
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, 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, 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


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

**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 Ahera, Daniel Allen, CHANGE study collaborators group