



International conference
Cellular Agriculture
Harnessing biotechnology for food production

Scientific Committee



Claus Heiner Bang-Berthelsen



Eva Falch



Jette Feveile Young



Ólafur H. Friðjónsson



Eva Nordberg Karlsson



Emilia Nordlund



Anneli Ritala



Sissel Beate Rønning



Hanna Tuomisto



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Claus Heiner Bang-Berthelsen
Senior Scientist, DTU National Food Institute

Claus' research is based at DTU National Food Institute in the research group of Microbial Biotechnology and Biorefining. His focus is on the development and utilization of the in-house microbial strain collection containing more than 2500 isolates from different biological niches. A general theme has been the interest in applications that have benefit for society by developing plant-based alternatives, functional foods and food additives. Additionally, the strains have been put into play for developing plant-based solutions for dairy alternatives by developing starter cultures and processes. Another central theme is finding commercial relevant solutions making better use of side-streams from the industry through fermentation. Claus is the co-author of more than 50 peer reviewed publications and have been cited more than 1650 times.



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Eva Falch
Head of NTNU Food Forum &
Associate Professor, NTNU

Eva Falch is a food scientist with a professional career heavily motivated by a wish for better utilization of global food resources. She is head of the multidisciplinary NTNU Food Forum which is a cross faculty forum comprising expertise from >25 departments and working towards a fair, healthy, and sustainable food system. She has >25 years' experience from R&I and strategy work in food- and biotechnology industry, research institute, and the last 10 years in academia. This experience enables to approach the food challenges and opportunities from different angles. She is teaching students in food biotechnology, food industry framework (food policy), food innovations and future food. She is engaged in steering boards at European (e.g. European Food Forum, JPI - A healthy diet for a health life) national and regional levels. Eva has strong engagement for sustainable food, multi-actor collaboration and students as changing agents.



International conference **Cellular Agriculture**

Harnessing biotechnology for food production

Scientific Committee



Jette Feveile Young

Associate Professor, University of Aarhus

Jette Feveile Young is associate professor at Institute of Food Science, Aarhus University where she since 2009 has been leading a science group on Differentiated and Biofunctional Food. She holds a M.Sc. in Food Science from University in Copenhagen and a PhD from University of Wales. She did a Post Doc at the Institute of Human Nutrition at University of Copenhagen and perused her career at Aarhus University where the research focuses around meat quality as well as studying nutritional effects of naturally occurring food components using in vitro cell based model systems. More than 20 years of research experience within meat science and in vitro cell based techniques including primary muscle cells has led to her interest in several aspects of cultured meat. She is involved in and leads several projects including a CellFood hub at Aarhus University.



International conference **Cellular Agriculture**

Harnessing biotechnology for food production

Scientific Committee



Ólafur H. Friðjónsson
Research Group Leader, Matis

Ólafur Friðjónsson obtained his doctorate degree from the University of Stuttgart in 1999. Since then, he has been active in R&D affiliated with biotechnology and molecular biology. He is currently Research Group Leader of the Biotechnology group at Matis, an Icelandic R&D company, servicing the food, feed and biotech industries. In recent years, Friðjónsson has been active in research on both marine and agriculture bioresources, especially side streams and underutilized materials and their biorefinery potentials.



International conference **Cellular Agriculture**

Harnessing biotechnology for food production

Scientific Committee



Eva Nordberg Karlsson
Professor, University of Lund

Eva Nordberg Karlsson is a Professor in Biotechnology, heading the Div Biotechnology at Lund University, and the Master contact for EIT Food at Lund University. Her research focus is on enzymatic and microbial technologies, for biorefinery applications (of agricultural and marine resources), with a strong focus on carbohydrate conversions, especially related to increased side-stream utilization. She is currently a partner in several European projects.



International conference **Cellular Agriculture**

Harnessing biotechnology for food production

Scientific Committee



Emilia Nordlund
Research Manager, VTT

Emilia is working at VTT as a Research Manager of Industrial Biotechnology and Food, and is by education DSc (Tech) for Bioprocess engineering from Technical Helsinki University of Technology and acting also as a docent in Food Biotechnology at University of Helsinki. Emilia's ambition is to generate well-being to people and environment by innovative solutions based on food and biotechnology research, and at VTT she manages the research portfolio related to those strategic research and innovation areas. Her scientific expertise is in plant based ingredient and food technologies, especially bioprocessing, and development of novel food processing concepts for efficient and sustainable food chain. She has explored how cellular agriculture, i.e., biotechnical food production can be used for future food production, and currently, she is coordinating Food without Fields project funded by Catch the Carbon program of Ministry of Agriculture and Forestry of Finland. Moreover, she has studied new ways to support healthy eating by developing new concepts for personalized food delivery and eating. Emilia is eager to rethink the existing processes from the beginning and develop even disruptive technologies to build a sustainable and wellbeing society for all the continents on the planet.



International conference **Cellular Agriculture**

Harnessing biotechnology for food production

Scientific Committee



Anneli Ritala
Principal Scientist, VTT

Anneli Ritala is a Principal Scientist at VTT Technical Research Centre of Finland working in Industrial Biotechnology and Food business area. Her expertise is in plant biotechnology specifically in cell and tissue culture and in the biotechnological production of plant-derived compounds and recombinant proteins. My main research interest has recently been in cellular agriculture particularly in developing plant cell cultures for food use. I'm very much interested in valorization of industrial side streams as raw materials for cell factories. Anneli has a PhD Pharm. degree and holds a Adjuct professorship at the University of Helsinki in the pharmaceutical biology.



International conference
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Harnessing biotechnology for food production

Scientific Committee



Sissel Beate Rønning
Senior Scientist, Nofima

Sissel Beate Rønning is a senior scientist at the food research institute Nofima, where she works with CellAg, skeletal muscle development, food quality, bioactivity, by-products, and food and health. She tries to use modern technology in food production for a growing population, and has attracted funding for several projects within the field of CellAg. Her primary focus is: Can we culture meat, and can we use the rest materials from the food industry in the process? Sissel holds a master's degree in gene technology at the University of Tromsø and has a Ph.D. in GMOs from the National Veterinary Institute. Her postdoc focused on cancer research and human medicine in the Department of Pathology, Rikshospitalet, Norway.



International conference **Cellular Agriculture**

Harnessing biotechnology for food production

Scientific Committee



Hanna Tuomisto

Associate Professor, University of Helsinki

Hanna L. Tuomisto, is an Associate Professor of Sustainable Food Systems at the University of Helsinki and Natural Resources Institute Finland (Luke). She leads the Future Sustainable Food Systems -research group at the University of Helsinki. Tuomisto has over 14 years of experience in the sustainability assessment of cellular agriculture. She has a strong experience especially in the environmental sustainability assessment of cell-cultured foods using life cycle assessment (LCA) method. Her research group has also projects related to social sustainability, including studies of farmers' and political stakeholders' perceptions of cellular agriculture. Tuomisto holds an MSc degree in Agroecology from the University of Helsinki and a doctoral degree from the University of Oxford. She worked as a postdoctoral researcher at the European Commission's Joint Research Centre (JRC) and at London School of Hygiene & Tropical Medicine (LSHTM) before returning to the University of Helsinki in 2017.