



The Nordic LipidForum proudly presents a webinar on



Lipids in a sustainable society – from raw materials to inclusion in our diet

Originally at Chalmers University of Technology in Gothenburg, Sweden

- now online

11 – 12 November 2020

ABOUT

A strive for sustainable practices is today integrated at all levels in our society; and the UN Sustainable Development Goals have reached the broad mass through high visibility in our every-day life. Not least has our eating and food choices been heavily influenced in recent years, with a multitude of new products with a clear sustainability profile being released every week. So far, the main focus in this dietary shift has been on our protein intake, and there has been an impressive activity both within academia and industry to produce and characterize novel sustainable protein sources stimulating a reduced intake of red meat. Today we therefore talk about a protein shift.

However, so far, the lipids of our diet have been very little discussed in our strive to eat more sustainably, despite the fact that e.g., the Nordic Nutrition Recommendations suggest 25–40 E% intake of lipids, but only 10-20E% of protein. Thus, a relevant question is how the nutritional profile our lipid intake affected by the ongoing dietary shift? Also, what are the sustainable sources of lipids that could be better explored to reach a sustainable diet on a more holistic level – i.e., beyond just a change in our protein intake? And, what is needed from sustainable refining and processing of biomasses to produce new oils? Further, how should sensitive lipids with a clear sustainability profile be formulated into foods and supplements? And, not least what does the term sustainability really mean?

In this Lipidforum seminar, the concept of sustainability in food processing will be discussed, with a focus on lipid production and formulation. The seminar targets representatives from industry, academia and authorities, and we foresee that both lectures and discussions will provide a new and very important dimension to the current dietary shift.

Nordic Lipidforum

Postal address:
C/O SINTEF
Borgundvegen 340
N-6009 AALESUND, NORWAY

Att: Robert Wolff
Telephone: +47 994 49 579
secretary@lipidforum.info
www.lipidforum.info

Enterprise /VAT No: NO 995 264 234
BANK: DNB
BIC: DNBANOKKXXX
IBAN: NO66 1503 6390 317



Tentative program

Wednesday 11 November

10:00 Introduction and welcome – Prof. Ingrid Undeland/Sec. Robert Wolff

Session I – INTRO

Session chair: Prof. Ingrid Undeland

10:10 Sustainability – what does it mean and requires?

Johan Kuylenstierna - SU, SWE

10:50 How will the protein shift affect our intake of lipids

Anne-Maria Pajari – University of Helsinki, FIN

11:30 Sponsorship presentation - Lunch break

Session II – Single cell-based oil production

Session chair: TBA

12:00 Oligonous yeasts, including single cell production of cocoa butter

Verena Sievers – Chalmers University of Technology, SWE

12:30 Lipid production from marine microalgae - a rotational energy-efficient model for the Swedish west coast

Cornelia Spetea Wiklund – University of Gothenburg, SWE

13:00 Expanding the world's access to essential fatty acids - industrial scale cultivation of natural microalgae

Ragnhild Bleken Rud – Veramaris, NL/NOR

13:30 Virtual coffee break

13:45 Production of vitamin D rich microalgae oil

Anita Ljubic – DTU, DK

Session III – Biorefinery-approaches for parallel extraction of oil and other compounds from sustainable biomasses

Session chair: TBA

14:15 Parallel oil and protein production from fish co-products

Mehdi Abdollahi – Chalmers University of Technology, SWE

14:45 Possibilities and challenges connected to oat lipid utilization - a ScanOats perspective

Cecilia Tullberg – Lund University, Faculty of engineering (LTH), SWE

15:15 Benefits of CO₂ extraction in the sustainable use of oat biomass

Markku Mikola – Fazer Mills, FIN

TBA Sponsorship pitch - Short presentation from companies

16:00 Concluding remarks – end of day one





Thursday 12 November

Session IV – Sustainable sources of healthy lipids

Session Chair: TBA

- 09:00 The role of plant lipids in milk production – climate change and human nutrition
Heidi Leskinen – Natural Resources Institute Finland, FIN
- 09:30 Insects as a source of lipids in our diet
Markus Langeland – SLU, SWE
- 10:00 Krill as a sustainable, and healthy, source
Inge Bruheim – Rimfrost AS, NOR

10:30 Virtual Coffee break

Session V – Sustainable oils – Diet and formulations to maximise benefits

Session Chair: TBA

- 10:45 Formulation of cod liver oils
Charlotte Jacobsen – DTU, DK
- 11:15 TBA
TBA
- 11:45 Oleogels from co-products - enhanced bioavailability
Fabio Valoppi – University of Helsinki, FIN
- 12:15 Concluding remarks and take-home message

See you all at the 31st Nordic Lipidforum Symposium 2021 in [Ålesund](#), NORWAY

Where: ONLINE

Webinar language: English

Webinar fee:

Members (EFL and Nordic LipidForum): FREE
Non-members - industry: EUR 100
Non-members – academia (incl. students): EUR 55

Payment: Invoicing upon registration.

Registration: Fill in registration [here](#).

Sponsors: Please contact organising committee for more information.

Organising committee:

Chair - Prof. Ingrid Undeland: undeland@chalmers.se
Kaisu Riihinen: kaisu.riihinen@avena.fi
Anna-Maija Lampi: anna-maija.lampi@helsinki.fi
Petter Englund: petter.englund@fresenius-kabi.com
Robert Wolff: secretary@lipidforum.info

See you all online!

Nordic Lipidforum

Postal address:
C/O SINTEF
Borgundvegen 340
N-6009 AALESUND, NORWAY

Att: Robert Wolff
Telephone: +47 994 49 579
secretary@lipidforum.info
www.lipidforum.info

Enterprise /VAT No: NO 995 264 234
BANK: DNB
BIC: DNBNOKKXXX
IBAN: NO66 1503 6390 317





Made possible by our sponsors:

GOLD SPONSORS:

Would you be our sponsor?!

SILVER SPONSORS:

Nordic Lipidforum

Postal address:
C/O SINTEF
Borgundvegen 340
N-6009 AALESUND, NORWAY

Att: Robert Wolff
Telephone: +47 994 49 579
secretary@lipidforum.info
www.lipidforum.info

Enterprise /VAT No: NO 995 264 234
BANK: DNB
BIC: DNBANOKKXXX
IBAN: NO66 1503 6390 317