

Danish Clinical Metabolomics Network Online Seminar

Dear Clime.dk Members,

We would like to invite you for online seminars in the topic of clinical metabolomics and its current development. During each session, one keynote speaker and two junior researchers will be presenting. If you are interested to show your research and get feedback from metabolomics researchers, please write an email to info@clime.dk. These seminars will take place four times a year and we are welcoming open discussion and collaborative initiatives.

First online meeting will take place on the **8th of December** (Tuesday) 2020 at **13.00** CPH time. There is no need to register – just use Zoom link: <https://ucph-ku.zoom.us/j/61807124031>

Agenda:

- 13.00-13.05 Few words from Clime.dk
Karolina Sulek, University of Copenhagen
- 13.05-13.20 *The CBMR metabolomics platform: "It's not just measuring"*
Thomas Moritz, PhD, professor at the Novo Nordisk Foundation Center for Basic Metabolic Research, University of Copenhagen. His research is focused on method development in mass spectrometry based metabolomics and its application in biology. Between 2013 and 2020 he was director for the Swedish Metabolomics Centre.
- 13.20-13.30 Q&A
- 13.30-13.40 *Generative deep learning models for molecule structure prediction from LC-MS/MS spectra*
Svetlana Kutuzova, PhD student from Technical University of Denmark. She works on computational metabolomics tools in collaboration with Computer Science Department of the University of Copenhagen. She will present a novel deep learning based algorithm for compound identification that makes a prediction of a molecule structure from a LC-MS/MS spectrum of a compound. It uses multimodal variational autoencoder generative model, thus eliminating the need for searching in the reference compound database.
- 13.40-13.45 Q&A
- 13.45-13.55 *Preparation method for targeted and untargeted fecal metabolomics and a reproducibility study in the targeted platform*
Andressa de Zawadzki, PhD, postdoctoral researcher at Steno Diabetes Center. Currently working with the use of state-of-the-art mass spectrometry-based metabolomics to investigate gut-and-liver axis in alcoholic liver fibrosis, in collaboration with SDU through GALAXY project. Andressa did a PhD in the field of metabolomics at the University of São Paulo and University of Copenhagen. She worked 2 years as a postdoc in the department of Food Science at the University of Copenhagen
- 13.55-14.00 Q&A



Join Zoom Meeting

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Meeting ID: 618 0712 4031

Join by Telephone

For higher quality, dial a number based on your current location.

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International numbers

We are looking forward to see you again!

Please feel free to forward this invitation to anyone interested in clinical research and metabolomics.

With best regards,

Clime.dk Seminars Organizers

Julie Courraud, Statens Serum Institut
Madeleine Ernst, Statens Serum Institut
Cristina Legido Quigley, Steno Diabetes Center
Douglas McCloskey, DTU Biosustain
Thomas Moritz, CBMR, University of Copenhagen
Markus Herrgard, BioInnovation Institute
Karolina Sulek, CPR, University of Copenhagen