



**The University of Tartu and Estonian Research Council
invite you to a networking seminar**

Digitisation of biology for circular bioeconomy applications

31 May, 15-17 CET

Permanent Representation of Estonia to the EU, Rue Guimard 11/13, Brussels 1040 ([map](#))

Register by 26 May [registration link](#)

The combination of digitalisation and biotechnology provides a powerful opportunity to tackle the EU's Green Deal challenges. With biology becoming a data-driven engineering discipline aiming to design disruptive biomanufacturing solutions, the EU has the opportunity to capitalise on exponential growth in research and investment in biosustainability. The seminar highlights the strategic approaches from the European Commission and leading R&D organisations, which have the potential to transform EU's bioengineering and bioproduction sectors.

PROGRAMME

15.00 Networking coffee

Welcome by moderator Prof. **Kristjan Vassil**, Vice-Rector for Research, University of Tartu

- European Bioeconomy Strategy: Stocktaking and future developments – Mr. **Roman Brenne**, Policy Officer, Sector Bioeconomy, DG RTD
- Digitisation of biology for a circular economy – Prof. **Mart Loog**, Professor of Molecular Systems Biology, University of Tartu
- Revolutionising biology through digitalisation – Prof. **Lars K. Nielsen**, President and Chief Technical Officer, DTU Biosustain at Technical University of Denmark
- SINTEF's contribution to the future of bioeconomy in Europe and Norway – Dr. **Christian Simon**, Senior Business Developer, SINTEF

Panel discussion, moderated by Prof. Kristjan Vassil

Dr. Virginia Puzzolo, Head of Programming, Circular Bio-based Europe Joint Undertaking

Prof. Kaspar Valgepea, Assoc. Professor of Gas Fermentation Technologies, University of Tartu

Dr. Christian Simon, Senior Business developer, SINTEF

Prof. Petri-Jaan Lahtvee, Tenured Associate Professor in Food Tech and Bioengineering, Tallinn University of Technology

- In which biotechnology sectors can digitisation provide the biggest impact in transitioning to a sustainable and circular EU bioeconomy?
- Transforming chemical industries and conventional food production systems with next-generation biosustainable products;
- How to motivate biotech industries to invest in and accelerate the movement towards more biosustainable and less carbon-intensive production?

17.00 Networking reception