



Developments in Bio and Bio-based Materials

RSC-FLS Symposium 2024

University of Helsinki Main Building,
Fabianinkatu 33, Helsinki
December 10th 2024

Participation is free. Registration is mandatory, <https://link.webropolsurveys.com/S/72F8A5C4C5F56DED> by Dec. 6th

The symposium is hybrid, a Zoom link for virtual participation will be provided after registration.

Welcome!

Arrival at Tekla Hultin hall (3rd floor)

10:00 Opening talk RSC-FLS

Morning session: Chair Prof. Repo Timo

10:15 **From Teeth to Bone-tailored Composite Biomaterials**, Prof. Pekka Vallittu (University of Turku)

10:45 **Biopharmaceutical Applications of Nanofibrillated Cellulose**, Prof. Marjo Yliperttula (University of Helsinki)

11:15 **Functional Bioinks Empowered by Wood Biopolymers and Nanomaterials for 3D Bioprinting**, Dr. Xiaoju Wang (Åbo Akademi University)

11:45 **Enabling Nature: Synthetic Biomaterials to Support Biobased Drugs and Bioinks**, Robert Luxenhofer (University of Helsinki).

12:15-13:15 *Lunch break and posters*

Afternoon session I: Chair Prof. Kristiina Wähälä

13:15 **Nanocelluloses in the Future Sustainable Electronics**, Prof. Henrikki Liimatainen (University of Oulu)

13:45 **Fungi and Fungal Enzymes in Lignin Modification**, Associate Prof. Kristiina Hildén (University of Helsinki)

14:15 **Small Streams Join to Make a Large Impact – Opportunities in Forest Side streams**, Prof. Tiina Nypelö (Aalto University)

14:45-15.30 *Coffee break and posters*

Afternoon session II: Chair Dr. Emil Rosqvist

15:30 **Metsä Spring – Kuura™ Textile Fiber from Paper-grade Pulp**, Dr. Markus Nuopponen (Metsä Spring)

16:00 **Chementors (TBA- regulatory challenges)**

16:30 **Where Natural Materials Converge with the Engineering of Mechanical Metamaterials**, Prof. Parvez Alam (University of Edinburgh) (on-line)

17:00 *Closing and poster awards*