

Annual seminar of the SUSBIO profiling action 2026

22 April, 2026

Paidia, Nokia Arena

Keynote speakers



Senior Scientist Mohammad Peydayesh
ETH Zürich



Prof. Robert Luxenhofer
University of Helsinki



Assist. Prof. Jukka Niskanen
Aalto University



Prof. Dirk Grijpma
University of Twente

SEMINAR PROGRAMME

Registration & morning coffee (8:30-9:00)

Session 1 (9:00-10:25)

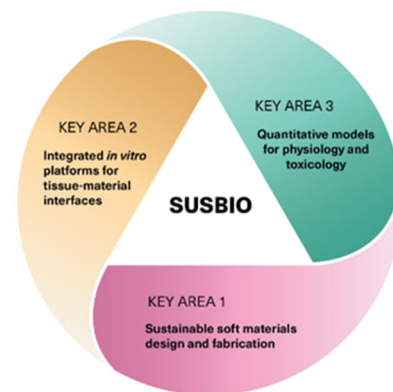
Chair: Academy Research Fellow Nikita Durandin

09:00 – Opening words: Prof. Arri Priimägi

09:05 – Keynote 1: Senior Scientist and Lecturer Mohammad Peydayesh (ETH Zürich)
Protein nanofibrils-based Materials for a Sustainable Future

09:45 – Postdoctoral Research Fellow Burcu Firatligil-Yildirim (ENS, Tampere University)
Mechanoadaptation in breast tumor microenvironment

10:05 – University lecturer Kirsi Rautajoki (MET, Tampere University)
Photodynamic therapy responses with glioblastoma-on-chip model



Short break (10:25-10:40)

Session 2 (10:40-12:00)

Chair: Postdoctoral Research Fellow Janne Koivisto

10:40 – Keynote 2: Prof. Robert Luxenhofer (University of Helsinki)

Dynamically crosslinked soft matter towards animal-free tissue and disease models

11:20 – Postdoctoral Research Fellow Hanna-Kaarina Juppi (MET, Tampere University)
PHOTOBREATHE: In vitro models for pulmonary fibrosis based on photoactuable cell culture platform

11:40 – Senior Research Fellow Vijay Parihar (MET, Tampere University)
Interaction of water-soluble BODIPY derivatives with photofabricated hydrogel scaffolds for enhanced 3D cell imaging

Lunch (12:00-13:00)

Session 3 (13:00-14:30)

Chair: Assoc. prof. Nonappa Nonappa

13:00 – Keynote 3: Assist. Prof. Jukka Niskanen (Aalto University)

Plastics, biobased polymers, and chemical recycling

13:40 – Postdoctoral Research Fellow Konstantin Malafeev (ENS, Tampere University)
Investigation of the interaction of commercial biodegradable microplastics and biocomposites with human tissue

Introducing a new Assoc. prof. in Biomaterials (MET):
14:00 – Assoc. prof. Eduardo Anaya (MET, Tampere University)
Colorful supramolecular chemistry at the biomaterials interface

Group Photo (14:20-14:30)

Coffee (14:30-15:00)

Session 4 (15:00-16:00)

Chair: Docent/University Lecturer Elina Mäntylä

15:00 – Keynote 4: Prof. Dirk Grijpma (University of Twente)

Medisse: commercialising a novel biodegradable polymer implant

Introducing new SUSBIO postdocs:

15:40 – Postdoctoral Research Fellow Sonali Naik (MET, Tampere University)

Hydrogel mechanics and viscoelasticity from micro to macro scale and the effect of stem cell differentiation

15:50 – Postdoctoral Research Fellow Maisa Vuorte (ENS, Tampere University)

Cellular uptake and long-term hazards of inhaled nanoplastics

16:00 – Closing words: Prof. Minna Kellomäki

WELCOME!

🌟 **Upcoming SUSBIO Funding Opportunities** 🌟

🌱 **Seed Funding Call 2027**

Opening in late 2026

