

5th Symposium on “Nanoparticles in Biomedical Applications”

Date: 14 November 2025

Place: Trippelrummet, Navet, SciLifeLab, BMC, Sweden.

Time: 9.30-17.45h

PROGRAM

- 09:30-10:00 Welcome fika
10:00-10:05 Welcome remarks
- 10:05-10:45 Roy van der Meel, Eindhoven University of Technology
Engineering Nature-inspired Platform Nanotechnology for RNA Delivery to Immune Cells
- 10:45-11:25 Margaret Holme, Chalmers University of Technology
Mapping the Structure and Composition of Lipid-based Nanoparticles: Ensemble and Single Particle Perspectives
- 11:25-11:45 Yuming Zhang, Uppsala University & SciLifeLab
Magnetic Nanoparticle-Based Formulations for Colorectal Cancer Theranostics
- 11:45-12:05 Niki Karouta, Stockholm University & SciLifeLab
Flame-Made Calcium Phosphate Nanoparticles: Synthesis, Surface Modification and Delivery of Antimicrobial Biological Molecules towards Healing Bacterial Skin Wound Infections
- 12:05-13:00 Lunch (provided)
- 13:00-13:40 Ines Weber, Chalmers University of Technology
Nanostructured Chemical Sensors for Non-invasive Health Monitoring
- 13:40-14:20 Patrick Sandoz, Uppsala University & SciLifeLab
Imaging-Based Analysis of Immune Effector Responses in 2D and 3D Microtumor Models
- 14:20-14:40 Reshma Ramachandran, Stockholm University & SciLifeLab
Antibacterial Electrospun Wound Dressing with Flame-made Ag/SiO₂ Nanoparticles
- 14:40-15:20 Coffee break & fika
- 15:20-16:00 Michael Malkoch, KTH Royal Institute of Technology, Stockholm
Branched Dendritic Technologies as Precision Nanocarriers suited for Biomedical Applications
- 16:00-16:20 Paarkavi Udayakumar, Uppsala University & SciLifeLab
Microneedle-mediated Delivery of Probiotics for Local Treatment of Bacterial Vaginosis
- 16:20-17:45 Poster session
- 18:00-22:00 Dinner (provided), and Table Soccer (Foosball) tournament

Warm welcome!

Alexandra Teleki, Uppsala University & Georgios A. Sotiriou, Stockholm University