



Karolinska
Institutet



UPPSALA
UNIVERSITET

1st Symposium on *Nanoparticles in Biomedical Applications*

Date: November 30, 2021

Place: Biomedicum, Room B0317

Time: 9.30-17.30

PROGRAM

09:30-09:45 Georgios Sotiriou: *Vision of Bionanomaterial Technology Laboratory*

09:45-10:00 Alexandra Teleki: *Vision of Pharmaceutical Nanotechnology Laboratory*

10:00-10:30 Padryk Merkl (KI): *Responsive nanostructured materials for bioanalyte detection and triggered antimicrobial therapy*

10:30-11:00 Shno Asad (UU): *Magnetic nanoparticles for non-invasive diagnosis of inflammatory bowel disease*

11:00-12:00 *Guest lecture:* Prof. Dr. Inge Hermann
Nanoparticle Systems Engineering Lab, ETH Zurich

12:00-12:45 *Lunch (provided)*

12:45-13:15 Vasiliki Tsikourkitoudi (KI): *Therapeutic potential of engineered particulate nanocarriers*

13:15-13:45 Yuming Zhang (UU): *Early detection and treatment of colorectal cancer*

13:45-14:15 Anshika Maheshwari (KI): *Calcium phosphate nanoparticles as vaccine adjuvants and delivery agents*

14:15-14:45 Felix Geissel (KI): *Multifunctional coatings consisting of silver and bioglass nanoparticles for titanium implants*

14:45-15:15 *Coffee Break*

15:15-15:45 Shaquib Rahman Ansari (UU): *Magnetic hyperthermia-induced in situ amorphization of a poorly water-soluble drug*

15:45-16:15 Eleni Bletsas (KI): *Highly Fluorescent Near-Infrared Lu-phosphate nanoparticles for bioimaging*

16:15-16:45 Jill Ziesmer (KI): *Hybrid microneedles: combining antibiotic delivery with photothermal therapy*

16:45-17:15 Haipeng Li (KI): *Flame aerosol fabrication of Surface-enhanced Raman scattering (SERS) substrates for the applications of biosensor and food safety*

17:15-17:30 Yael Suárez (KI): *Calcium phosphate nanoparticles for bone tissue engineering*

18:00-22:00 *Faculty Club at Biomedicum 10th floor*
Table soccer tournament and dinner

Warm welcome!

Georgios Sotiriou, Karolinska Institutet & Alexandra Teleki, Uppsala University

KI: Department of Microbiology, Tumor and Cell Biology, Karolinska Institutet

UU: Department of Pharmacy, Science for Life Laboratory, Uppsala University