



# Young Scientists Webinar

## CRS Nordic Local Chapter

May 3, 2023

10:00 (CEST) Opening of the webinar

10:05-11:05 (CEST)

Moderator:  
Lisa Myrseth Hemmingsen

Lipid nanocarrier loaded dissolving microneedles for local treatment of vaginal fungal infections

10:05-10:25

**Paarkavi Udayakumar, Uppsala University**

Double-layered polyvinylpyrrolidone-poly(methyl vinyl ether-alt-maleic acid) based microneedles to deliver meloxicam: an *in vitro* and *in vivo* study

10:25-10:45

**Carmine D'Amico, University of Helsinki**

Flexible coatings achieve pH-targeted drug release via self-unfolding foils: applications for oral drug delivery

10:45-11:05

**Laura De Vittorio, Technical University of Denmark**

11:05-12:00 (CEST) Lunch Break

12:00-13:00 (CEST)

Moderator:  
Matteo Tollemeto

Tailoring DNA nanoparticles for biofilm penetration

12:00-12:20

**Alexandra Sousa, UiT The Arctic University of Norway**

Investigating and optimizing Doxorubicin loading into DNA origami nanoparticles

12:20-12:40

**Anna Klose, University of Helsinki**

Fabrication of hydrogel microspheres via microfluidics using inverse electron demand Diels-Alder click chemistry-based tetrazine-norbornene for drug delivery and cell encapsulation applications

12:40-13:00

**Rubén Pareja Tello, University of Helsinki**

13:00-13:15 (CEST) Coffee Break

13:15-14:15 (CEST)

Moderator:  
Suvi Heinonen

Silica-coated iron oxide nanoparticles for magnetic hyperthermia treatment of colorectal cancer

13:15-13:35

**Yuming Zhang, Uppsala University**

Tuning the double lipidation of salmon calcitonin introduces to pore-like membrane translocation mechanism

13:35-13:55

**Philip M. Lund, Technical University of Denmark**

Magnetic nanoparticle composite for dual mode T1-T2 magnetic resonance imaging

13:55-14:15

**Shaquib Rahman Ansari, Uppsala University**

14:15 (CEST) Announcing the CRS Nordic Local Chapter Young Scientist Travel Grant 2023