



Karolinska  
Institutet



UPPSALA  
UNIVERSITET

SciLifeLab



**Minisymposium  
Extracellular Vesicle Analysis – challenges & opportunities  
for cancer liquid biopsies**

**October 7<sup>th</sup>, 2021**

**13.00 -17.50**

**The meeting will take place at AlbaNova  
University Center, KTH & via ZOOM**

Physical meeting: FD5 lecture hall, 5th Floor, AlbaNova, Roslagstullsbacken 21.  
<https://www.kth.se/places/room/id/b33ec1d2-0671-4141-9bdb-46b13e6deb50>

Due to the COVID pandemic the seats are limited. The seats will be aliquoted on the basis of first registration. The registration should be made to:

<https://www.kth.se/form/evsymposium>

The ZOOM is open to everyone but registration is required via the link above.

### **Meeting Agenda**

**13:00-13:10 Jan Linnros** (KTH Royal Institute of Technology)

**Welcome and introduction**

**13:10-13:40 Johan Skog** (ExosomeDx, a Bio-Techne Brand)

**"Extracellular Vesicle Analysis – challenges & opportunities for cancer liquid biopsies".**

**13:40-14.10 Jan Lötvall** (University of Gothenburg)

**"Diversity of extracellular vesicles - from subpopulations to development of biomarkers"**

**14:10-14.40 Marta Bally** (Umeå University)

**"Biophysical approaches to characterize the physicochemical properties of biological nanoparticles and their interactions with the cell surface"**

**14.40-15.10 Coffee break**

*Posters from the project will be presented in the lobby.*

**P**

ERLING-PERSSONS  
STIFTELSE



**Karolinska  
Institutet**



UPPSALA  
UNIVERSITET

**SciLifeLab**

**RI  
SE**

**15.10-15.40 Linda Bojmar** (Linköping Univ.; Uppsala Univ. and Weill Cornell Medicine)  
**“Tumor Exosome Proteomic Biomarkers for Cancer Diagnosis, Prognosis and Therapeutic Targeting”**

**15.40-16.10 Shannon Stott** (Massachusetts General Hospital, Harvard Medical School  
The MGH Cancer Center / BioMEMS Resource Center)  
**“Clinical Microfluidics: Isolating Extracellular Vesicles for Understanding Cancer and COVID”**

**Presentations from our joint project “Detection and analysis of tumor and blood-borne markers using new nanotechnology for early diagnosis and monitoring of cancer” funded by The Erling-Persson Family Foundation**

**16.10-16.20 Rolf Lewensohn** (Karolinska Institutet)  
**“Extracellular vesicles as source of biomarkers for cancer - an introduction from the medical perspective”**

**16.20-16.35 Rolf Lewensohn & Kristina Viktorsson Team** (Karolinska Institutet)  
**“Analyses of liquid biopsies of metastatic tumors – Identification of diagnostic & treatment Biomarkers”.**

**16:35-16.50 Kristina Fogel Team**, (RISE), Presenter: **Anatol Krozer**  
**“Localized surface plasmon resonances as sensor system for analyses of extracellular vesicles”.**

**16:50-17.05 Apurba Dev & Jan Linnros Team** (Uppsala Univ.; KTH Royal Inst. of Techn.)  
**“Analyses of tumor derived EVs at a single and bulk level: Prospects of monitoring treatment response”.**

**17.05-17.20 Amelie Eriksson Karlström Team** (KTH Royal Institute of Technology)  
**“Affibody-DNA conjugates for EV analysis”**

**17.20-17.35 Afshin Ahmadian Team** (KTH Royal Institute of Technology)  
**“DBS-Pro – a high throughput method for quantitative analysis of exosomal surface proteins with single EV resolution”**

**17.35-17.50 Jan Linnros** (KTH Royal Institute of Technology) **& Rolf Lewensohn**  
(Karolinska Institutet)  
**“General discussion and conclusion”**

**After last talk: The audience is invited for mingle and refreshments in the lobby adjacent to the FD5 auditorium.**

**P**

ERLING-PERSSONS  
STIFTELSE