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

October 7th, 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 Lötvald (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.

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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.

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