Dear all,

We are pleased to invite you to a two-day symposium

**EXTRACELLULAR VESICLES IN PATHOPHYSIOLOGY | New advances in the development of diagnostic and therapeutic approaches for treating chronic diseases and cancer**

that will take place on **May 14-15, 2020** in Tartu, CHEMICUM, Ravila 14A, room 1020.

EVs are small (30-5000 nm) membrane surrounded structures released by cells. They contain different molecules such as RNA and proteins. To this day very little is known about EVs given their infinitesimal size, but the evidence is mounting that this cellular ‘postal service’ is essential for the body’s day-to-day functions and could even provide new ways for diagnosis and curing disease. In Tartu, we have invented an EV based approach to diagnose implantation potential of embryos used for IVF patients. In other parts of the world, intensive research is being conducted to use EVs as a means of chronic inflammatory diseases such as psoriasis and cancer diagnosis and therapy.

The third symposium of TransGeno is aimed to gather lecturers and experts from different EV related research fields to illustrate different methods of cell-cell communication and its effects on cellular function as well as the role that they can play in diagnosis and therapies of patients.

The symposium will feature the following sessions:
- EV characterization and purification technologies
- Therapeutic application of EVs
- EV diagnostics
- EVs in pharmacology

Tentative list of invited speakers includes:
- **Aija Linē** (Latvian Biomedical Research and Study Centre, Latvia)
- **André Gögens** (Karolinska Institute, Sweden)
- **Dirk Michiel Pegtel** (Amsterdam University Medical Centre, Netherlands)
- **Frederik Johannes Verweij** (National Institute for Health and Medical Research - INSERM, France)
- **Jack Rohrer** (Zurich University of Applied Sciences, Switzerland)
- **Juan Manuel Falcon-Perez** (Center for Cooperative Research in BioSciences, Spain)
- **Reet Kurg** (University of Tartu, Estonia)
- **Rim Jawad** (Karolinska Institute, Sweden)
- **Scott Bonner** (University of Oxford, UK)
- **Tobias Tertel** (University Hospital Essen, Germany)
- **Victoria James** (University of Nottingham, UK)

Participation is free of charge, although registration is required. For registration and more information please visit symposium's website [http://www.transgeno2020.ut.ee](http://www.transgeno2020.ut.ee)
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Sincerely,
Kairi Viirlaid

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