



Workshop on the Importance of Biobanking in Biomarker Discovery

Ljubljana, October 19th-20th, 2023

Venue: City Hotel Ljubljana, Ljubljana, Slovenia

PROGRAMME

Thursday 19th October, 14:00-17:00

13:00-14:00 Arrival and registration

WELCOME

14:00-14:10 **Damjana Rozman**, head of programme group P1-0390 (Ljubljana, SI)

Martin Götte, coordinator of the TRENDO project (Münster, DE)

Importance of biobanking

Chairs: Urban Bren, Tadeja Režen

14:10-14:35 **Jens K. Habermann (BBMRI-ERIC)**

recorded

Presentation of BBMRI-ERIC

14:35 -15:00 **Monika Valjan (Graz, AT)**

Biobank Graz - Presentation of the largest EU biobank

15:00:15:25 **Norman Klopp (Hannover, DE)**

Hannover Unified Biobank

15:25- 16:00 Tea & coffee break / Networking

16:00-16:20 **Urban Bren (Maribor, SI)**
Current status of biobanking in Slovenia

16:20- 16:35 **Vladka Čurin Šerbec (Ljubljana, SI)**
Biobank at National Transfusion Centre

16:35-16:50 **Metka Novak (Ljubljana, SI)**
Gliobank at National Institute of Biology

16:50 -17:05 **Uroš Potočnik (Maribor, SI)** on line
Biobank at University of Maribor

17:15 - 18:30 Social event/Networking

Friday 20th October, 9:30- 14:00

TRENDO: Tanslational Research on ENDOmetriosis from biobanks, biomarkers to treatment

Chairs: Martin Götte, Tea Lanišnik Rižner

9:30-9:55 **Martin Götte (Münster, DE)**
Presentation of the TRENDO project

9:55- 10:15 **Tea Lanišnik Rižner (Ljubljana, SI)**
Biomarker discovery in endometriosis

10:15-10:30 **Heba El-Shorafa (Münster, DE)**
Functional analysis of microRNA miR-29c in endometriosis and infertility

10:30-10:45 **Adrián Seijas-Gamardo (Maastricht, NL)**
In vitro model of innervation in endometriosis

10:45-11:15 Tea & coffee break / Networking

OMICS APPROACHES FOR BIOMARKER DISCOVERY

Chairs: Jochen Schwenk, Rainer Lehmann

11:15-11:40 **Jerzy Adamski (Neuherberg, DE; Ljubljana, SI)**

Metabolomics for biomarker discovery

11:40-12:05 **Jochen Schwenk (Solna, SE)**

Proteomics for the Discovery of Circulating Biomarkers in Biobanks

12:05-12:15 **Tadeja Režen (Ljubljana, SI)**

Transcriptomics for biomarker discovery

12:15-12:25 **Matthias Hackl (Vienna, AT)**

Development of microRNA-based diagnostic tests utilizing biobanks and transcriptomic tools

12:25-12:50 **Rainer Lehmann (Tübingen, DE)**

How to avoid preanalytical bias and assure sample quality for biomarker discovery

12:50-13:10 **Marko Kokol (Maribor, SI)**

on line

Harnessing Machine Learning on Small Sample Sizes for Biomarker Discovery

CLOSING REMARKS AND END OF THE WORKSHOP

13:10-13:20 Organizers

Organized by the Program Group P1-0390 of the Faculty of Medicine, University of Ljubljana and the TRENDO Consortium.

Scientific and Organizing Committee at the Faculty of Medicine, University of Ljubljana:

Tea Lanišnik Rižner, Tadeja Režen

The workshop is sponsored by:

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