

TissueHome Joint Retreat:
University of Oulu/ Biocenter Oulu Doctoral Programme (BCO-DP) and
Ulm University/ International Graduate School in Molecular Medicine Ulm (IGradU)

Programme

Time November 18-19, 2015
Venue Kasarmi, Siilasvuo seminar room

Participants

Ulm based PIs:

Dieter Brockmann
Pamela Fischer-Posovszky
Hans Kestler
Michael Kühl
Boris Mizaikoff
Gilbert Weidinger
Jochen Weishaupt
Lisa Wiesmüller

Ulm based students:

Alberto Bertozzi
Sarah Brockmann
Melanie Rothe (née Radenz)
Juliane Sachsenweger
Franziska Seigfried
Verena Zoller

Oulu based PIs:

Valerio Izzi
André Juffer
Peppi Karppinen
Risto Kerkelä
Thomas Kietzmann
Matti Kinnunen
Petri Kursula
Igor Meglinski
Johanna Myllyharju
Taina Pihlajaniemi
Alexey Popov
Mikko Sillanpää
Seppo Vainio
Gonghong Wei
Robert Winqvist
Ritva Saastamoinen (BCO-DP Coordinator)

Oulu based students:

Heidi Ali-Kippari
Olga Bibikova
Susanna Kaisto
Anja Konzack
Srinivas Kumar Ponna
Zenglai Tan

Tuesday, November 17, 2015

Arrival of the Ulm delegate to Oulu airport at **17.05**. Accommodation at [Hotel Radisson Blu Oulu](http://www.radissonblu.com/hotel-oulu), Hallituskatu 1, <http://www.radissonblu.com/hotel-oulu>

19:30- ***Dinner with the hosts (Pick up from the hotel at 19:20); Restaurant Uleåborg, Address Aittatori 4-5, 90100 Oulu, tel. 08 8811 188***

Wednesday, November 18

08:45 Bus transport of the Ulm guests from the hotel to the Kasarmi
Note: Participating students will have their posters shown in the Siilasvuo seminar room for the whole event

09:15 Seppo Vainio and Ritva Saastamoinen

Opening of the retreat

Welcome and current status of *TissueHome*

PI /Student Presentations (PIs 20+5 min=25 min each, students 8+2 min=10 min each):

Chair: Seppo Vainio

09:30 Pamela Fischer-Posovszky:

Brown adipose tissue – a potential target to conquer obesity?

09:55 Petri Kursula:

Molecular structural neurobiology - myelin and beyond

10:20 Johanna Myllyharju:

Key regulatory enzymes in collagen synthesis and hypoxia response

10:45-11:15 Coffee break

Chair: Dieter Brockmann

11:15 Michael Kühl:

Wnt signaling in organ development and aging

11:40 Matti Kinnunen:

Biophotonics at Optoelectronics and Measurement Techniques Laboratory

12:05 Thomas Kietzmann:

The ubiquitin-specific protease-28 in metabolism and cancer

12:30 Student talk 1, Melanie Rothe:

Title of the talk, TBA

12:40 Student talk 2, Srinivas Kumar Ponna:

Structural biology of postsynaptic density protein Shank3

12:50 General discussion

13:05-14:30 Lunch break and networking, Restaurant Upseerikerho

Chair: Johanna Myllyharju

14:30 Valerio Izzi, on behalf of Taina Pihlajaniemi:

Conserved collagens in tissue development: the case of Collagen XVIII in hematopoiesis

14:55 Gonghong Wei:

Translating prostate cancer GWAS discoveries to the clinic

15:20 André Juffer:

In silico modeling and simulation of proteins and membranes

15:45 Risto Kerkelä:

Title of the talk, TBA

16:10-16:40 Coffee break

16:40-18:20 Socializing with indoor or outdoor programme

18:30 Dinner, Restaurant Upseerikerho

21:15 Bus transport back to the hotel

Thursday, November 19

08:45 Bus transport of the Ulm guests from the hotel to the Kasarmi

Note: Participating students will have their posters shown in the Siilasvuo seminar room for the whole event

PI /Student Presentations (PIs 20+5 min=25 min each, students 8+2 min=10 min each):

Chair: Peppi Karppinen

- 09:15 Jochen Weishaupt:
Haploinsufficiency of TBK1 causes amyotrophic lateral sclerosis and frontotemporal dementia
- 09:40 Alexey Popov:
Selected applications of nanoparticles in biophotonics
- 10:05 Lisa Wiesmüller:
DNA repair and its impact on early detection and therapy of breast cancer
- 10:30-11:00 Coffee break**

Chair: Lisa Wiesmüller

- 11:00 Mikko Sillanpää:
An efficient genome-wide multilocus epistasis search
- 11:25 Gilbert Weidinger:
Mechanisms of zebrafish heart regeneration
- 11:50 Peppi Karppinen:
Cellular oxygen sensors as therapeutic targets
- 12:15 Student talk 3, Franziska Seigfried:
Gpr125 during eye development in *Xenopus laevis*
- 12:25 Student talk 4, Verena Zoller:
TRAIL (TNF-related apoptosis-inducing ligand) induces a pro-inflammatory expression profile in human adipocytes
- 12:35 General discussion
- 12:50-14:15 Lunch break and networking, Restaurant Upseerikerho**

Chair: Michael Kühl

- 14:15 Student talk 5, Olga Bibikova:
Plasmon-resonant gold nanoparticles as drug carriers and optical labels for cytological investigations
- 14:25 Boris Mizaikoff:
Advanced infrared sensing technologies in bioanalytics
- 14:50 Hans Kestler:
Classification and Biomarker selection — from sub-symbolics to semantic models
- 15:15 Seppo Vainio:
A toolbox to address mechanisms of organogenesis
- 15:40 Conclusion
- 16:00-17:00 Coffee break and student posters**
(17:00-18:00 Steering Committee meeting)
- 17:15 Bus transport back to the hotel**
- 19:30- Dinner for all participants (Pick up from the hotel at 19:15); Restaurant Sokeri-Jussi, Address Pikisaarentie 2, 90100 Oulu, tel. 08 376 628**

Friday, November 20

No official arrangements, but possibility for an individual programme.

Departure of the Ulm delegation (flights on Nov. 20 at 05.55 and at 14.10, and on Nov. 21 at 11.05)