



14th Annual meeting
Finnish Society for Developmental Biology
in association with FinGerDevNet
Hyttiälä Forestry Field Station
October 21-22, 2011

Friday October 21, 2011

12.00 – 13.00 Check in & lunch

13.00 – 13.10 **Opening of the meeting: Marja Mikkola** (University of Helsinki)

Session I – Cell polarity and migration

Chair: **Seppo Vainio** (University of Oulu)

13.10 – 13.50 **Matias Simons** (University of Freiburg)

The role of proton transport in cell polarity and migration

13.50 – 14.10 **Florence Naillat** (Biocenter Oulu / Vainio lab)

ErbB4 contributes to kidney epithelial cell polarity and cystic disease development

14.10 – 14.30 **Laura Ahtiainen** (University of Helsinki / Mikkola & Thesleff labs)

Imaging epithelial morphogenesis in the developing hair placode

14.30 – 15.00 Coffee break (beside the lecture hall)

15.00 – 16.00 Outdoor activities (Outdoor games/soccer/hiking)

Session II – Regulatory networks – now and then

Chair: **Matti Poutanen** (University of Turku)

16.00 – 16.30 **Juha Partanen** (University of Helsinki)

Transcriptional control of neuronal identity in the developing mid-hindbrain region

16.30 – 16.50 **Shinya Matsuda** (University of Helsinki / Shimmi lab)

Pre-formed wing vein tube guide Dpp/BMP in the drosophila pupal wing

16.50 – 17.10 **Ian Corfe** (University of Helsinki / Jernvall lab)

The developmental basis of 200 million year old mammal teeth

17.10 – 17.30 Fall Meeting of the Finnish Society for Developmental Biology

17.30 – 19.00 **Poster session** in the Old Hall – *Wine & snacks*

19.00 – 21.00 Sauna

21.00 – Dinner party in the Old Hall including:

- Games, music, dancing
- Award for the Best Paper in 2010

Saturday October 22, 2011

08.00 – 09.00 Breakfast

Session III – Homeostasis & renewal

Chair: **Irma Thesleff** (University of Helsinki)

09.00 – 09.30 **Gareth Fraser** (University of Sheffield)

Common gene networks link tooth morphogenesis to continuous /de novo/ replacement

09.30 – 09.50 **Elina Kiss** (University of Freiburg / Diefenbach lab)

The role of the aryl hydrocarbon receptor in the homeostasis of mucosal ROR γ^+ innate lymphoid cells

09.50 – 10.10 **Heidi Loponen** (University of Helsinki / Pirvola lab)

Proliferative potential of inner ear hair and supporting cells

10.10 – 10.30 **Emma Juuri** (University of Helsinki / Thesleff lab)

Sox2+ cells in dental epithelium - tooth renewal and tumorigenesis

10.30 – 10.50 Coffee break

Session IV – Morphogenesis & differentiation

Chair: **Hannu Sariola** (University of Helsinki)

10.50 – 11.10 **Renata Prunskaitė-Hyyryläinen** (Biocenter Oulu / Vainio lab)

Role of Wnt-4 in female sex organ development & Introduction to 3D image analysis with OPT

11.10 – 11.30 **Ida Björkgren** (University of Turku / Poutanen lab)

Dicer1 is necessary for the final differentiation of the epididymal epithelial cells

11.30 – 11.50 **Frederic Michon** (University of Helsinki / Thesleff lab)

From stem cell to ameloblasts, first molecular insights

11.50 – 12.00 General discussion, planning of the 15th Meeting 2012 & closing of the meeting

12.00 – 13.00 Lunch

13.00 Departure