



WoW-UPSC 2013 symposium

Cell wall biology, biotechnology and genomics

July, 3

- 8.30-8.45 **Hannele Tuominen Umeå Plant Science Centre, Umeå University, Sweden**
Welcome on behalf of Plant Science Centre
- 08.45-09.00 **Brian Ellis, UBC, Canada**
Welcome on behalf of the Working on Walls (WoW) program
- 09.00-09.30 *Invited speaker - Maija Tenkanen, Helsinki University, Finland*
Not only bioenergy - plant cell walls as sources of polymers for bioeconomy solutions
- 09.30-10.00 *Invited speaker - Carl Douglas, UBC, Canada*
Genomic approaches to understanding wood development and adaptation in poplar
- 10.00-10.30 Coffee
- 10.30-10.50 **Prashant Pawar, UPSC, SLU, Umeå, Sweden**
Understanding the role of O-acetylated matrix polysaccharides in woody plants
- 10.50-11.10 **Shumin Wang, UBC, Vancouver, Canada**
Functional Analysis of Arabidopsis thaliana OVATE FAMILY PROTEINS
- 11.10-11.30 **Melis Kucukoglu, UPSC, SLU, Umeå, Sweden**
Molecular regulation of vascular cambium identity and activity in trees
- 11.30-11.50 **Annette Alber, CNRS, Strasbourg, France**
The CYP98 gene family – from moss to trees, from protection to stability?
- 11.50-12.10 **Yoshito Ogawa, NAIST, Japan**
The role of VASCULAR-RELATED NAC-DOMAIN7 phosphorylation in vascular development in Arabidopsis
- 12.10-12.30 **Ryan Eng, UBC, Vancouver, Canada**
The Arabidopsis ARMADILLO-REPEAT KINESIN 1 is a microtubule depolymerase factor
- 12.30-13.30 Lunch
- 13.30-14.00 *Invited speaker - Daniele Werck-Reichhart, Strasbourg, France*
Impact of the CYP98 duplicated genes on the lignin and flavonoid biosynthesis in Arabidopsis
- 14.00-14.20 **Sacha Escamez, UPSC, Umeå University, Sweden**
Finding Regulators of Xylem Lignification: A Strategy for Working on Walls
- 14.20-14.40 **Teagen Quilichini, UBC, Vancouver, Canada**
Building the pollen wall: Interplay of biosynthetic pathways, transport and sporopollenin assembly
- 14.40-15.00 **Amir Mahboub, UPSC, SLU, Umeå, Sweden**
Aspen SUCROSE TRANSPORTER 3 allocates carbon into wood fibres
- 15.00-15.30 Coffee
- 15.30-16.00 *Invited speaker - Naomi Geshi, Copenhagen University, Denmark*
Identification and characterization of glycosyltransferases involved in glycosylation of arabinogalactan proteins
- 16.00-16.20 **YuanYuan Liu, UBC, Vancouver, Canada**
Regulation of secondary cell wall biosynthesis in Arabidopsis by a BLH6-KNAT7 transcription factor complex
- 16.20-16.40 **Simon Tylewicz, UPSC, SLU, Umeå, Sweden**
BZIP transcription factors mediate the control of adaptive response by short day signal

- 16.40-17.00 **Rebecca Smith, UBC, Vancouver, Canada**
Lignin deposition in xylem relies on non-lignifying neighbouring cells
- 17.00-18.30 Poster session
- 18.30- Barbeque at Nydala lake/UPSC (if it is raining)

July, 4

- 10.00-10.30 Coffee
- 10.30-11.00 *Invited speaker - Thorsten Hamann, Trondheim University, Norway*
Plant cell wall integrity maintenance and biotic stress responses
- 11.00-11.30 *Invited speaker - Stephanie Robert, Umeå Plant Science Centre, SLU, Sweden*
Discovery of novel growth regulators to better understand plant development
- 11.30-11.50 **Henrik Serk UPSC, Umeå University, Sweden**
Understanding lignin biosynthesis and polymer-ization in Arabidopsis xylem vessels
- 11.50-12.10 **Laddawan Saelim, NAIST, Japan**
Transcription factors controlling primary-wall type CesA genes
- 12.10-12.30 **Ogonna Obudulu, UPSC, SLU, Umeå, Sweden**
Combined profiling in Populus (A systems biology approach)
- 12.30-13.30 Lunch
- 13.30-14.00 *Invited speaker - Taku Demura, NAIST, Japan*
The way to keep parenchyma cells undifferentiated: a lesson from xylem cells
- 14.00-14.30 *Invited speaker - Leif Jönsson, Department of Chemistry, Umeå University*
Pretreatment and bioconversion of lignocellulosic feedstock
- 14.30-15.00 *Invited speaker - Stefan Jansson, Umeå Plant Science Centre, Umeå University, Sweden*
The Norway spruce genome
- 15.00-15.05 Closing of the symposium
- 15.05-17.00 *Publishing in academic journals – Vaughan Hurry*
Panel discussion with Björn Sundberg, Deborah Goffner, Vaughan Hurry, Magnus Hertzberg and Björn Ingemarsson
Post-doc funding opportunities & grants (presented by Edouard Pesquet and followed by discussion)
From science to practice (5 min presentations by Björn S , Deborah, Magnus and Björn I, followed by discussion)