

A IGDB-Leeds University Joint Symposium

A RCUK Summer School Workshop

**Plant Sciences and Beyond: Current Work at the Joint
Laboratory for Plant Sciences, University of Leeds and
Chinese Academy of Sciences (CAS)**

Sep 7-9, 2009, Beijing

Sponsored by

**Research Councils UK
Chinese Academy of Sciences
University of Leeds**

Hosted by

Institute of Genetics and Developmental Biology, CAS

Monday September 7, 2009

Venue: Meeting Room B210, Building 1, IGDB

Session 1

08:50 – 10:20

Chair: Yongbiao Xue

08:40 - 08:45

Welcome by Yongbiao Xue

08:45 - 09:00

Speech by Chris Gordon, the RCUK China Office Director

09:00 - 09:20

Brendan Davies (MADS-box genes in plant development)

09:20 - 09:40

Xiaofeng Cao (Small RNA biogenesis in rice)

09:40 - 10:00

Yongbiao Xue ("A life or death decision": Molecular control of S-RNase-based self-incompatibility in flowering plants)

10:00 - 10:20

Wei Li (Biogenesis of lysosome-related organelle complex 1 (BLOC-1) in endosomal trafficking of membrane proteins)

10:20 – 10:40

Coffee break

Session 2

10:40 - 12:00

Chair: Zhaohui Wang

10:40 - 11:00

Xiujie Wang (Expression profile and functional analysis of small RNA during *Brassica napus* seeds development)

11:00 - 11:20

Matthew Gentry (Regulation of gene expression and chromatin structure by epigenetic mechanisms)

11:20 - 11:40

Zhaohui Wang (Gametogenesis in *Drosophila*)

11:40 - 12:00

Paul Knox (Tools and approaches for plant cell wall biology)

12:00 – 13:00

Lunch

Session 3

13:00 – 14:20

Chair: Yongqing Zhang

13:00 - 13:20

Fan Chen (ABA signal transduction and function of bZIP transcription factors in rice)

13:20 - 13:40

Stefan Kepinski (Modelling auxin response)

13:40 - 14:00

Yongqing Zhang (Mental retardation)

14:00 - 14:20

Liangbiao Chen (Antifreezing evolution)

14:20 – 14:40 **Tea Break**

Session 4

14:40 – 15:40 **Chair:** Xiaofeng Cao

14:40 - 15:00 Chonglin Yang (Clearance of apoptotic cells)

15:00 - 15:20 Jurgen Denecke (Towards a better understanding of the plant secretory pathway)

15:20 - 15:40 Yunhai Li (Control of final seed and organ size in plants)

Synergies & ideas

15:40 – 17:30 **Chair:** Weicai Yang and Brendan Davies

15:40 - 16:40 Breakout discussions as smaller interest groups

16:40 - 17:30 Re-assemble and each group reports back

18:00 – **Dinner**

Tuesday September 8, 2009

Venue: Meeting Room B210, Building 1, IGDB

Session 1

09:00 – 10:20 **Chair:** Jinsong Zhang

09:00 - 09:20 Howard Atkinson (Designing nematode resistant crops: progress and constraints)

09:20 - 09:40 Xun Huang (Lipid transport)

09:40 - 10:00 Jinsong Zhang (Rice ethylene signalling: emerging from underwater)

10:00 - 10:20 Cecile Herve (Understanding the plant cell wall structure)

10:20 – 10:40 **Coffee break**

Session 2

10:40 – 12:00 **Chair:** Mingsheng Chen

10:40 - 11:00 Yihua Zhou (Biosynthesis of cell wall polysaccharides in rice)

- 11:00 - 11:20 Nicola Atkinson (Plant molecular response to combined drought and nematode stress)
- 11:20 - 11:40 Georgina Drury (Genome repair and recombination: the importance of keeping it together in times of stress)
- 11:40 - 12:00 Mingsheng Chen (Dynamic genome evolution of the *Oryza* genomes)

12:00 – 13:00 Lunch

Session 3

- 13:00 – 14:20 Chair:** Chengcai Chu
- 13:00 - 13:20 Zhukuan Cheng (Synapsis and recombination in meiosis)
- 13:20 - 13:40 Peter Urwin (Detoxification of xenobiotic compounds in *C. elegans*)
- 13:40 - 14:00 Jiajia Liu (The neuronal membrane protein retrolinkin interacts with endophilin 1 and regulates BDNF-TrkB trafficking)
- 14:00 - 14:20 Chengcai Chu (Molecular basis for proharvest sprouting in rice)

14:20 – 14:40 Tea Break

Session 4

- 14:40 – 15:40 Chair:** Qi Xie
- 14:40 - 15:00 Hongqing Ling (Molecular regulation of iron acquisition from soil in higher plants)
- 15:00 - 15:20 Pedro Diazvivancos (Redox homeostasis and regulation of cell cycle)
- 15:20 - 15:40 Qi Xie (Ubiquitination in stress signalling)

Synergies & ideas

- 15:40 – 17:30 Chair: Wei Li and Brendan Davies**
- 15:40 - 16:50 Breakout discussions as smaller interest groups
- 16:50 - 17:30 Re-assemble and each group reports back

18:00 – Dinner

Wednesday September 9, 2009

Venue: Meeting Room B210, Building 1, IGDB

Session 1

09:00 – 10:20

Chair: Chuanyou Li

09:00 - 09:20

Zhiheng Xu (Cell death signalling)

09:20 - 09:40

Carine De Marcos Lousa (Plant peroxisomes and membranes)

09:40 - 10:00

Chuanyou Li (*Arabidopsis ASAI* is important for jasmonate-mediated regulation of auxin biosynthesis and transport during lateral root formation)

10:00 -10:20

Shilai Bao (Protein methylation)

10:20 – 10:30

Coffee break

Session 2

10:30 – 12:00

Chair: Weicai Yang

What's for the next?

Bing Liu with inputs from the floor

Concluding remarks

Brendan Davies
Yongbiao Xue

12:00 – 13:00

Lunch

13:00 –

Leisure activity or IGDB lab tours

18:00 –

Dinner