

# **“Plant Communication Symposium”**

**Alnarp, 22 October 2009**

09.00-09.20 PlantComMistra - a research program exploring “allelobiosis” - volatile communication between undamaged plants  
*Lisbeth Jonsson, Södertörn University College*

09.20-9.55 How does allelobiosis in barley affect aphid feeding behaviour and how can this be applied for aphid control?  
*Velemir Ninkovic SLU, Ultuna*

9.55-10.10 Effects of allelobiosis on aphid natural enemies  
*Robert Glinwood, SLU, Ultuna*

10.10-10.40 Coffee

10.40-11.00 Volatiles inducing allelobiosis  
*Robert Glinwood, SLU, Ultuna*

11.00-11.15 Olfactory basis of host recognition in the black bean aphid, *Aphis fabae*  
*Ben Webster, SLU, Ultuna*

11.15-12.05 Semiochemicals in field experiments aiming at improved insect pest control  
*Lesley Smart, Rothamsted Research, UK*

12.10-13.15 Lunch

13.15-13.40 Allelopathy in cereals - genetic variation and possible mechanisms  
*Nils-Ove Bertholdsson, SLU, Alnarp*

13.40-14.15 Induced disease resistance in plants, barley in particular  
*David Collinge, Copenhagen University*

14.15-14.45 Gene inductions as a result of allelobiosis in barley  
*Barbara Karpinska, Södertörn University College*

14.45-15.15 Coffee

15.15-15.50 Usefulness of tilling populations for candidate gene evaluations  
*Sven Gottwald, Justus-Liebig University, Giessen*

15.50-16.10 Breeding for resistance to aphids in barley, including the allelobiosis type of resistance  
*Inger Åhman, SLU, Alnarp*

16.10-16.40 Barley breeding at present, and the kind of barley breeding I'd perform with a 10-fold increase in budget  
*Hans Haldrup, Nordic Seeds*

16.40-17.00 Summary of the day  
*Lisbeth Jonsson, Södertörn University College*