



Semiochemicals in Pest Control and Conservation Biology

Lund 15-26 March, 2010

Program

Monday 15 March

- 1330-1400 Registration, coffee
1400-1445 Welcome and introduction (Fredrik Schlyter, SLU-Alnarp & Olle Anderbrant, LU)
Break
1500-1545 Presentations by the participants (separate schedule) 3
Break
1600-1700 Presentations by the participants (separate schedule) 4
Time for check in at Youth Hostel, Hotel etc.

Tuesday 16 March

- 0900-0945 Monitoring with odour traps - concepts and function (Olle Anderbrant)
Break
1000-1045 Monitoring pest insects - problems and success stories (Olle Anderbrant)
Break
1100-1200 Presentations by the participants (separate schedule) 4
Lunch
1330-1430 The role of odour signals in conservation biology 1 (Glenn Svensson, LU)
Break
1445- Presentations by the participants (separate schedule) ?
then lab tour
2015-2130 Social activity: Bowling at Bollhuset

Wednesday 17 March

- 0900-0945 Analysis of semiochemicals (Wittko Francke, University of Hamburg)
Break
1000-1045 Analysis of semiochemicals (Wittko Francke)
Break
1100-1200 Pheromones in humans (Christer Löstedt, LU)
Lunch
1330-1415 Synthesis of semiochemicals - from microgram to kilogram (Hans-Erik Högberg, Mid Sweden University)
Break
1445-1545 Synthesis of semiochemicals - from microgram to kilogram (Hans-Erik Högberg)
Break
1600-1700 General discussion: Chemistry
2000- Scientific pub - lunch room 1st floor

Thursday 18 March

- 0900-0945 Insect olfaction for non-physiologists (Mattias Larsson, SLU-Alnarp)
Break
1000-1045 Insect olfaction for non-physiologists (Mattias Larsson)
Break
1100-1200 Glucosinolates & Insects: Interactions & Responses (Richard Hopkins, SLU-Ultuna)
Lunch
1330-1415 Mating disruption - what is the mechanism? (Christer Löfstedt, LU)
Break
1430-1515 Mating disruption of orchard pests (Peter Witzgall, SLU-Alnarp)
Break
1530-1615 Mating disruption of indoor pests (Olle Anderbrant)
1615-1630 Introduction to group exercises (Fredrik Schlyter, Olle Anderbrant)
1630- Group exercises I / Own project

Friday 19 March

- 0900-0945 Mass-trapping - an impossible method? 1 (Fredrik Schlyter)
Break
1000-1045 Mass-trapping - an impossible method? 2 (Fredrik Schlyter)
Break
1100-1200 Group exercises I / Own project
Lunch
1330-1430 Non-host volatiles and antifeedants for plant protection (Fredrik Schlyter)
Break
1445-1700 Group exercises I - presentations

Saturday 20 March

Rest or sightseeing/shopping in Lund or surroundings

Sunday 21 March

0900-2100 Excursion and dinner (Medieval castle and National park)
Departure 0900 From Ecology Building, main entrance

Monday 22 March

0900-1000 Plant-plant and plant-insect signals - how to use them? (Robert Glinwood, SLU-Ultuna)
Break
1015-1100 Aphid control using a plant signal: Methyl salicylate case study (Robert Glinwood)
Break
1115-1200 Calling for help and other tritrophic interactions (Robert Glinwood)
Lunch
1330-1430 Non-host signalling in plants, animals and humans, and its application to pest control (Michael Birkett, Rothamsted Research UK)
Break
1445-1545 Trap crops and intercrops: development of a push-pull strategy for pest control (Michael Birkett)
Break
1600-1700 Monitoring of gall midges (Ylva Hillbur, SLU-Alnarp)

Tuesday 23 March

0900-1000 Area-wide olive pest monitoring and control (Owen Jones, AgriSense UK)
Break
1015-1115 Stored product and public health pests (Owen Jones)
Break
1130-1200 From idea to worldwide market (Owen Jones)
Lunch
1330-1430 Development and implementation of mass systems for insect pests of palm (Cam Oehlschlager, ChemTica Costa Rica)
Break
1445-1545 Development and implementation of mass trapping systems for Coleopteran pests of Sugarcane and Banana (Cam Oehlschlager)
Break
1600-1700 Development of commercial pheromone products (Cam Oehlschlager)

1900-2000 Group exercise II / own project
2000- Scientific pub - lunch room 1st floor

Wednesday 24 March

0900 Departure to SLU, Alnarp by minibus/cars from Ecology Building, main entrance
0930-1015 Quality lures for monitoring (Peter Witzgall, PheroNet)
1015-1200 Lab tour in Alnarp
Lunch
1330 Departure to Lund
1400-1445 Gypsy moth and other invasive species (Agenor Mafra-Neto, Iscotech USA)
Break
1500-1545 Gypsy moth and other invasive species (Agenor Mafra-Neto)
Break
1600-1700 Gypsy moth and other invasive species (Agenor Mafra-Neto)

Thursday 25 March

0900-1000 The role of odour signals in conservation biology 2 (Mattias Larsson)
Break
1015-1100 Use of odours in navigation of vertebrates (Susanne Åkesson, LU)
Break
1115-1200 Group exercise II / own project
Lunch
1330-1430 Group exercise II - presentations
Break
1445-1545 Antifeedants of the pine weevil *Hylobius abietis* (Anna-Karin Borg-Karlson, KTH Royal Technical Institute Stockholm)
Break
1600-1700 The work for a non-toxic environment in agriculture: policies, legal aspects etc. (Sanja Manduric, Swedish Board of Agriculture)

1900- Social activity: Dutch treat party - lunch room 1st floor

Friday 26 March

0900-0945 Pheromones and other methods for controlling indoor pests (Håkan Kjellberg, Anticimex)
Break
1000-1045 The role of semiochemicals in future IPM (Velemir Ninkovic, SLU-Ultuna)
Break
1100-1200 The role of semiochemicals in future IPM (Velemir Ninkovic)
Lunch together
1330-1500 General discussion, Course evaluation (Fredrik Schlyter, Olle Anderbrant)
Departure