

PhD-course “Plant Protection Biology”, SLU-P0065, August 20 - 31, 2018

Preliminary Course schedule

Date	Time	Items	Teachers	Location
Monday Aug 20	10.00 – 10.30	Introduction and Instructions	JP, EAlex	Seminar room, H-house
	10.30 – 12.30	Oral presentations by participants Short presentation about own research area		
	Lunch 13.30 – 15.00	Short presentation about own research area... <i>continued</i> Alnarp campus tour, brief tour at the department of Plant Protection Biology	EAlex	Seminar room, H-house Seminar room, H-house
	15.00 – 16.00	History of plant protection	LGB	Seminar room,
	16.00 – 16.30	Opening lecture Plant Protection Biology and IPM	MT	H-house
	16.30 – 17.00	Introduction to the “case study”	EAlex	Seminar room,
	18.00 –	PlantLink Meet & mingle party with light dinner		H-house
Tuesday Aug 21	09.00 – 10.30	Phytopathogenic bacterial and viral disease research	RV	
	11:00 – 12.00	Viral suppressors of host gene silencing	RV	
	Lunch 13.00 – 14.15	Biology of plant pathogenic fungi	HJLJ	
	14.30 – 15.30	Nematodes	CM	
	16.00 – 17.00	Group discussions/Literature seminar	All	

Wednesday Aug 22	09.00 – 10.00	Plant-insect interactions	PA	
	10.00 – 11.00	Insect resistance in crop plants	IÅ	
	11.00 – 12:00	Pheromones and Plant protection with semiochemicals	TBD	
	Lunch 13.00 – 14.00	Making sense of scents	TD	
	14.15 – 15.15	Demonstrations of techniques	PA	
	15.30 – 16.30	Group discussions/Literature seminar	FS/PA/TD	
Thursday Aug 23	09.00 – 10.00	Phytopharmacy and trends in the pesticide use and market	AN	
	10.00 – 11.00	Brief introduction to remote and proximal sensing in plant protection	EALex	
	11.00 – 12.00	Weed management	JA	
	Lunch 13.00 – 14.00	Weed management	JA	
	14.00 – 16.00	Pathogen-mycorrhiza interactions	SS	
	16.00 – 17.00	Group discussions/Literature seminar	All	
Friday Aug 24	9.00 – 11.00	Biological control in forestry	KL	
	11.00 – 12.00	The role of host resistance in natural and artificial (cropping) systems	EL	
	Lunch 13.00 – 15.00	Identifying key components in plant resistance and induced resistance by molecular tools/ Why do we have insect and herbicide, but not pathogen resistant transgenic plants?	DJP	
	15.00 -16.00	Group discussions/Literature seminar	EALex, DJP	

Saturday Aug 25		Self studies - case study		
Sunday Aug 26		Self studies - case study		
Monday Aug 27	09.00 – 11.00	Molecular aspects of disease resistance	EA	
	11.00 – 12.00	How to use molecular tools to study plant defenses	EALex	
	Lunch 13.00 – 17.00	Excursion and site visit to Solnäs Apple Farm and DLF Landskrona	EALex, JP	
Tuesday Aug 28	09.00 – 10.00	Plant Breeding for Plant Protection	AC	
	10.00 – 12.00	Strategies for efficient use of resistance genes/resistant varieties.	MLi	
	Lunch 13.00 – 14.00	Plant resistance in the context of IPM	JS	
	14.00 – 15.00	Group discussions/Literature seminar	MLi, EA, EALex, IÅ, JS	
	15.15 – 16.00	Biocontrol of plant diseases	LGB	
Wednesday Aug 29	09.30 – 10.45	Biological control: concepts, status and possibilities	TBA	
	11.00 – 12.00	Ants and biological control in tropical agroecosystems	YC	
	Lunch 13.00 – 15.00	Conservation biological control	MJ	
	15.30 – 16.30	Food Web Ecology and Biological Control	MJ	
	16.30 – 17.00	Group discussions/Literature seminar	MJ, JP	

Thursday Aug 30	09.00 – 10.45	Plant protection in a changing climate	TBA	
	11.00 – 12.00	Climate change, modelling and plant pathogens	VL	
	Lunch			
	13.00 – 13.45	Monitoring insects in a changing environment	ML	
	13.45 – 14.30	Fungal pathogens in a changing environment	JW,	
	14.45 – 15.45	Aspects on Extension services	MD	
	15.45 – 16.30	Group discussions/Literature seminar	All	
	Evening	Party		
Friday Aug 31	09.00 – 14.00	Student presentations and final discussions Course evaluation, Farewell	JP, EAlex	

Invited teachers:

CM – Christer Magnusson, Bioforsk, Norway
DJP – David B. Collinge, University of Copenhagen, Denmark
HILJ – Hans Jørgen Lyns Jørgensen, University of Copenhagen, Denmark
KL- Karolina Lukášová, Czech University of Life Sciences Prague
MD – Malin Dörre
MLi – Morten Lillemo, Norwegian University of Life Sciences, Norway
NVM – Nicolai Vitt Meyling, University of Copenhagen, Denmark
SS - Siegrid Steinkellner, BOKU, Austria
VL – Veiko Lehsten, Lund University, Sweden
YC – Yann Clough, Lund University, Sweden

SLU-teachers:

AC – Aakash Chawade
AN – Anders Nilsson
EAlex – Erik Alexandersson
EA – Erik Andreasson
EL – Erland Liljeroth
FS – Fredrik Schlyter
IÅ – Inger Åhman
JA – Johannes Albrektsson
JS – Johan Stenberg
JW – Johanna Witzell
LA – Lars Andersson

LGB – Laura Grenville Briggs

MJ – Mattias Jonsson

ML – Mattias Larsson

MT – Marco Tasin

PA – Peter Anderson

RV – Ramesh Vetukuri

TD – Teun Dekker