



## 2016 MEETING PROGRAMME

**All Sessions Take Place In Room “Carolinahallen”, at the Sankt Gertrud Conference Center, Malmö.**

### WEDNESDAY 15<sup>TH</sup> JUNE

- 08:15-09:00 REGISTRATION, POSTER HANGING  
09:00-09:15 OPENING REMARKS, PRACTICAL INFORMATION  
Laura Grenville-Briggs
- SESSION 1**  
**09:15-10:35** **Host Interactions and Resistance I.**  
**Chair: Sebastian Schornack.**
- 09:15-09:35 Wenbo Ma  
Structural and functional analyses of the RxLR effector  
*Phytophthora* Suppressor of RNA Silencing 2 (PSR2).
- 09:35-09:55 Ramesh Vetukuri  
The role of *P. infestans* effector Avr1-like in modulating plant  
defense.
- 09:55-10:15 Sander Rodenburg  
Metabolic network construction of the *Phytophthora infestans* –  
tomato pathosystem.
- 10:15-10:35 Alexandra Pelgrom  
Effectors and their plant targets as leads for downy mildew  
resistance breeding in lettuce.
- 10:35-11:00 COFFEE/POSTERS
- SESSION 2**  
**11:00-12:40** **Effectors I.**  
**Chair: Eric Kemen.**
- 11:00-11:20 Petra Boevink  
Revisiting effector translocation with RxLR effector Pi04314,  
which forms a phosphatase holoenzyme with host PP1c to  
regulate immunity.
- 11:20-11:40 Rebecca McDougal  
Elicitin predictions from *Phytophthora pluvialis* and *P. kernoviae*  
and gene expression during infection of susceptible and  
resistant genotypes of *Pinus radiata*.

- 11:40-12:00 Tolga Bozkurt  
Manipulation of host autophagy by *P. infestans* RXLR effector PexRd54.
- 12:00-12:20 Marek Malec  
Functional characterization of the *Phytophthora infestans* RXLR effector AVR2.
- 12:20-12:40 Joël Klein  
Identification and monitoring of effector proteins in the spinach downy mildew pathogen *Peronospora farinose*.
- 12:45: 13:50 LUNCH
- 13:50-14:00 GROUP PHOTO

**KEYNOTE LECTURE: Chair: Laura Grenville-Briggs**

- 14:00-15:00 **PAUL SCHULZE-LEFERT**  
REDUCTIONIST APPROACHES TO EXPLORE PLANT MICROBIOTA FUNCTIONS

- 15:00-15:20 COFFEE/POSTERS

**SESSION 3**  
**15:20-17:00** **Effectors II.**  
**Chair: Petra Boevink.**

- 15:20-15:40 Benjamin Hall  
Editing a virulence target of the late blight pathogen for enhanced resistance.
- 15:40-16:00 Sebastian Schornack  
Eighteen little RXLR effectors from *Phytophthora palmivora*.
- 16:20-16:40 Franziska Trusch  
A secreted nuclease of a fish-pathogenic oomycete self-translocates into host
- 16:40-17:00 Brett Tyler  
Delivery of *Phytophthora sojae* effector Avr1b in planta requires PI3P-binding, but does not require N-terminal cleavage.

**POSTERS/PUB**  
17:00-19:00

- 19:00- ATTENDEES TO FIND THEIR OWN DINNER IN MALMÖ.

## THURSDAY 16<sup>TH</sup> JUNE

### **SESSION 4** **08:50-10:40**

#### **Oomycete Biology.** **Chair: Sian Deller.**

- 08:50-09:00 Laura Grenville-Briggs  
Welcome, information on dinner arrangements.
- 09:00-09:20 Maja Brus  
Cell wall proteins from *P. infestans* in appressorium formation and field immunity.
- 09:20-09:40 Andrew Wagner  
Selection of environmental isolates of *Pseudomonas* for inhibition of soil oomycete pathogens.
- 09:40-10:00 Anna Åsman  
*Phytophthora infestans* Argonaute proteins display distinct small RNA binding preferences
- 10:00-10:20 Adeline Harant  
Apoplastic metabolites used by *Phytophthora infestans* during hyphal growth
- 10:20-10:40 Claire Gachon  
The Pathogens Of Brown Algae *Anisolpidium Ectocarpii* And *Anisolpidium Rosenvingei* Define A New Class Of Marine Anteriorly Uniciliate Oomycetes
- 10:40-11:00 COFFEE/POSTERS

### **SESSION 5** **11:00-12:40**

#### **Functional Genomics.** **Chair: Hua Wise.**

- 11:00-11:20 Sucheta Tripathy  
Improved *Phytophthora ramorum* Pr102 genome assembly with hybrid assembly protocol.
- 11:20-11:40 Theerapong Krajeajun  
Evolution of the Sterol Biosynthetic Pathway of *Pythium insidiosum* and Related Oomycetes Contributes to Antifungal Drug Resistance.
- 11:40-12:00 Anna Gogleva  
De-novo assembly of *Phytophthora palmivora* transcriptome and characterisation of the secretome during root infection.
- 12:00-12:20 Arijit Panda  
Genome Annotator light(GAL): An integrated virtual machine for genome analysis and visualization.

12:20-12:40	<u>Jasmine Pham</u> Co-regulation of gene expression in <i>Phytophthora</i> .
12:45-14:00	LUNCH
<b>SESSION 6</b> <b>14:00-15:20</b>	<b>Population Genetics and Evolution I.</b> <b>Chair: Åsa Lankinen.</b>
14:00-14:20	<u>Clemens Weiß</u> Detecting intraspecific ploidy variation in <i>Phytophthora infestans</i> using shot-gun genomics.
14:20-14:40	<u>Melanie Montes</u> Rethinking reproduction in Danish <i>Phytophthora infestans</i> population genetics reveal dominantly clonal populations and alleles linked to Metalaxyl-M resistance.
14:40-15:00	<u>Yann Dussert</u> De novo sequencing and population genomics of <i>Plasmopara viticola</i> , the grapevine downy mildew.
15:00-15:20	<u>Katie Davis</u> Oomycete Biodiversity in the Falkland Islands.
15:20-15:50	COFFEE & POSTER REMOVAL
<b>SESSION 7</b> <b>15:50-17:00</b>	<b>Effectors III.</b> <b>Chair: Ronaldo Dalio.</b>
15:50-16:10	<u>Shaista Naqvi</u> Potato NPH3/RPT2-like protein StNRL1, targeted by a <i>Phytophthora infestans</i> RXLR effector, is a susceptibility factor.
16:10-16:30	<u>Mark Banfield</u> Structural basis of ATG8 binding by a <i>P. infestans</i> effector protein.
16:30-16:50	<u>May Bente Brurberg</u> Genome sequence and analysis of the strawberry crown rot pathogen <i>Phytophthora cactorum</i> .
17:00	BUS DEPARTS TO ALNARP
17:20-18:45	CRISPR DISCUSSION GROUP/ OPTIONAL (GUIDED) WALK IN THE ALNARP PARK & GARDENS
18:45	WELCOME DRINKS RESTAURANG ALNARP DECK
19:00-22:30	CONFERENCE DINNER, RESTAURANG ALNARP
22:30	BUS DEPARTS ALNARP FOR MALMÖ.

## FRIDAY 17<sup>TH</sup> JUNE

### SESSION 8                      **Host interactions and resistance II.**

**08:30-10:00                      Chair: Erik Alexandersson.**

08:40-09:00                      Yacine Badis  
*Pythium porphyrae* the agent of the red seaweed rot disease: a reformed plant pathogen?

09:00-09:20                      Michalis Barkoulas  
Probing the mechanisms of *C. elegans* infection by natural oomycete pathogens.

09:20-09:40                      Harri Kokko  
Transcriptional changes in roots of *Fragaria vesca* during *Phytophthora cactorum* challenge.

09:40-10:00                      Kibrom Berhe Abreha  
Non-genetic inheritance of induced resistance in a wild annual plant.

10:00-10:20                      COFFEE

### SESSION 9                      **Population genetics and evolution II.**

**10:20-12:00                      Chair: Hernán Burbano**

10:20-10:40                      Laura Masini  
Wild *Solanum* species in Sweden and New Zealand as reservoirs of pathogenic oomycetes.

10:40- 11:00                      Javier Gómez-Zeledón  
Molecular characterization of *Plasmopara viticola* single sporangium strains.

11:00-11:20                      Aurelien Tartar  
Detection of *Lagenidium giganteum* in phytotelmata microbiomes.

11:20-11:40                      Diana Minardi  
Genomics-informed development of molecular markers for genotyping the crayfish plague pathogen.

11:40-12:00 CLOSING REMARKS /OMGN 2017/18

12:00 SANDWICH LUNCH AND DEPART