



Your Plant Science

Maximising the potential of crop researchers

20 - 21 November 2017

Sophi Taylor Building, NIAB Park Farm
Villa Road, Histon, Cambridge, CB24 9NZ

Bringing together young researchers and professionals conducting fundamental research in plant science with an interactive two-day meeting and networking event.

Including PhD students from NIAB and NIAB EMR with their latest research findings through a series of presentations and poster sessions.

- Plant biotechnology
- 3D imaging
- Disease management
- Advanced breeding
- Plant physiology
- Fungal genetics



For further information or to book your place visit bit.ly/NIABNovPhD
or email PhDoutreach@niab.com



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PROGRAMME: 20 NOVEMBER

Morning session

- 10:00-10:30 Registration
- 10:30-10:45 The PhD programme at NIAB and NIAB EMR
NIAB Invitational speaker: Dr Lesley Boyd
- Session 1 PLANT DISEASE MANAGEMENT Chair: Jasper Depotter
- 10:45-11:15 Shedding virtual light to the early blight disease complex
Max-Crop PhD student: Ioannis Baltzakis
- 11:15-11:45 Optimising the use of bio-control agents to improve the control of *Botrytis cinerea* in key vegetable and fruit crops
NIAB EMR PhD student: Gurkan Tut
- 11:45-12:15 Coffee
- 12:15-12:45 New insight into European apple canker pathosystem: providing alternative management strategies
NIAB EMR PhD student: Leone Olivieri
- 12:45-13:15 Big data in crop sciences – a pain but a great opportunity
NIAB EMR Invitational speaker: Prof. Mario Caccamo
- 13:15-14:15 Lunch

Afternoon session

- 14:15-14:45 Genetic basis of non-host resistance to specialised fungal pathogens
WUR Invitational speaker: Dr. Rients Niks
- Session 2 FUNGAL AND OOMYCOTAL GENETICS Chair: Ioannis Baltzakis
- 14:45-15:15 The impact of interspecific hybridization in *Verticillium* diseases
Max-Crop PhD student: Jasper Depotter
- 15:15-15:45 The molecular basis of *Neonectria ditissima* pathogenicity
NIAB EMR PhD student: Antonio Gomez
- 15:45-16:15 Coffee
- 16:15-16:45 Characterizing *Phytophthora fragariae*, the causative agent of strawberry red core disease to understand the resistance response
NIAB EMR PhD student: Thomas Adams
- 16:45-17:15 Investigating the circadian clock of *Verticillium dahliae* and its influence on pathogenicity
NIAB EMR PhD student: Emma Cascant-Lopez



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Morning session

- 9:00-9:30 Coffee
- 9:30-10:00 Evolution of virulence in the vascular wilt fungus *Verticillium*
WUR Invitational speaker : Prof. Bart Thomma
- Session 3 RESISTANCE BREEDING Chair: Aurelie Jouanin
- 10:00-10:30 Unravelling the genetics of non-host resistance
NIAB PhD student: Mathilde Daniau
- 10:30-11:00 Coffee
- 11:00-11:30 Characterisation of QTL conferring resistance to yellow rust in the eight-founder UK wheat MAGIC population
NIAB PhD student: Laura Bouvet
- 11:30-12:00 A combined effector and genomics approach to *Parastagonospora nodorum* resistance in wheat
NIAB PhD student: Rowena Downie
- 12:00-13:30 Poster session and lunch

Afternoon session

- Session 4 PLANT SCIENCES Chair: Mathilde Daniau
- 13:30-14:00 Modifying gliadin proteins in bread wheat to decrease the risk of coeliac disease in humans
Max-Crop PhD student: Aurelie Jouanin
- 14:00-14:30 A high throughput 3D phenotyping system for strawberry
NIAB EMR PhD student: Joe He
- 14:30-15:00 The photosynthetic importance of awns: is it worth the cost?
NIAB PhD student: Tally Wright
- 15:00-15:30 Future of plant sciences: the skills needed
NIAB Invitational speaker NIAB: Dr Alison Bentley
- 15:30-16:00 Close