



Wednesday - 05.06.2024

LFW B1 (conference room)

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| 17:00 - 17:30 | Registration |
| 18:00 - 18:10 | Welcome |
| 18:10 - 19:00 | Insights from a gall-inducing fungus - Armin Djamei |
| 19:00 - 20:00 | Reception (LFW Entrance Hall) |

Thursday - 06.06.2024

CHN C14 (conference room)

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| 08:30 - 09:00 | Registration |
| 09:00 - 09:35 | Unraveling the coevolutionary dynamics of the <i>Pyrenophora teres</i> - barley pathosystem through population genomics - Pierre Gladieux |
| 09:35 - 09:55 | Ducks in a row: multiple effectors of <i>Pyrenophora teres</i> f. <i>teres</i> target a single host susceptibility locus in barley - Michele Malvestiti |
| 09:55 - 10:15 | Unraveling the importance of <i>Pyrenophora tritici-repentis</i> necrotrophic effectors behind tan spot epidemics in the Nordics - Annika Johansson |
| 10:15 - 10:35 | Toward understanding of the molecular basis of the Ptr ToxC production in wheat tan spot pathogen <i>Pyrenophora tritici-repentis</i> - Zhaohui Liu |
| 10:35 - 11:05 | Break |
| 11:05 - 11:35 | The leaf microbiota of grasses establish interactions with <i>Zymoseptoria</i> species beyond antagonism - Victor Flores-Núñez |
| 11:35 - 11:55 | Killer proteins 4 and 6 from the fungal wheat pathogen <i>Zymoseptoria tritici</i> are toxic to fungi and structurally related to effector families - Marc-Henri Lebrun |
| 11:55 - 12:15 | Rapid mitochondrial genome structure evolution in <i>Zymoseptoria tritici</i> and beyond - Ivan Skakov |
| 12:15 - 14:00 | <div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 5px;"> 13:20 - 13:50 Functional genomics tools roundtable - Marc-Henri Lebrun, Nicolas Lapalu </div> <div style="text-align: right;"> Lunch and posters </div> </div> |
| 14:00 - 14:30 | Life on the wheat leaf: the epiphytic interactions of <i>Z. tritici</i> with its host - Helen Fones |
| 14:30 - 14:50 | Towards high throughput in-field detection and quantification of wheat foliar diseases with deep learning - Radek Zenkl |
| 14:50 - 15:10 | Image-based symptom tracking to decompose quantitative resistance in the field - Jonas Andereg |
| 15:10 - 15:30 | Impact of sexual reproduction on adaptive dynamics of <i>Z. tritici</i> populations driven by R-AVR interaction - Frédéric Suffert |
| 15:30 - 16:00 | Break |
| 16:00 - 16:30 | The role of fungal effectors during interactions between wheat and <i>Zymoseptoria tritici</i> - Graeme Kettle |
| 16:30 - 16:50 | Mechanisms of infection and response of the fungal wheat pathogen <i>Zymoseptoria tritici</i> during compatible, incompatible and non-host interactions - Sandra Gómez |
| 16:50 - 17:10 | The wheat pathogen, <i>Zymoseptoria tritici</i> , expresses effectors that bind lipid transfer proteins (LTPs; PR-14) - Eli Thynne |
| 17:10 - 17:40 | <i>Zymoseptoria tritici</i> effectors: Understanding their regulation and wheat targets - Andrea Sánchez-Vallet |
| 17:50 - 19:30 | City Walking Tour |



Friday - 07.06.2024

CHN C14 (conference room)

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| 08:30 - 09:00 | Registration |
| 09:00 - 09:35 | Sanctuary: A Starship transposon facilitating the movement of the virulence factor ToxA in fungal wheat pathogens - Megan McDonald |
| 09:35 - 09:55 | Exploring transposable element-mediated adaptive trait evolution using a large fungal pathogen genome panel - Tobias Baril |
| 09:55 - 10:15 | TE-driven rapid adaptive evolution of the fungal pathogen <i>Zymoseptoria tritici</i> against <i>Stb16</i> resistance gene - Ulysse Guilloteau |
| 10:15 - 10:35 | Diversification, loss, and virulence gains of <i>AvrStb6</i> during continental expansion of <i>Zymoseptoria tritici</i> - Margarida Sampaio |
| 10:35 - 11:05 | Break |
| 11:05 - 11:35 | Tracing the worldwide emergence of tan spot disease in wheat - Reem Aboukhaddour |
| 11:35 - 11:55 | Exploring the role in virulence of a <i>Zymoseptoria tritici</i> candidate effector during wheat infection - Ana Elizabet Bergues Pupo |
| 11:55 - 12:15 | Leveraging Neural Networks Trained on Genomic Sequences for Insights into Fungal Pathogen Genomics - Alice Feurley |
| 12:15 - 14:00 | Lunch and posters |
| 14:00 - 14:30 | From population dynamics to the prediction and management of fungicide resistance: the case of <i>Zymoseptoria tritici</i> - Anne-Sophie Walker |
| 14:30 - 14:50 | Improved field and environmental diagnostics for sustainable pest management - Luca Cornetti |
| 14:50 - 15:10 | The status of net form net blotch of barley in Western Australia using high-resolution phenotyping and multi-omic analyses - Fatima Naim |
| 15:10 - 15:30 | The complex genetic landscape of fungicide resistance evolution in <i>Zymoseptoria tritici</i> - Guido Puccetti |
| 15:30 - 16:00 | Accelerating identification of resistance to major wheat fungal threats in Tunisia - Sarah Ben M'Barek |
| 16:00 - 16:30 | Break |
| 16:35 - 16:50 | The origin and making of IPO323 as a community reference - Gert HJ Kema |
| 16:50 - 17:05 | From Snodprot to Snogs - Richard Oliver |
| 17:05 - 17:20 | Molecular interactions between genetics and plant pathology: a fungal point of view - Marc-Henri Lebrun |
| 17:20 - 17:35 | To Septoria and beyond with some help from my friends - Stephen Goodwin |
| 17:35 - 17:50 | A pleasant journey through the population genetics of fungal plant pathogens - Bruce McDonald |
| 17:50 - 18:30 | Panel discussion on the past and the future of the field |
| 18:30 - 20:00 | Poster session and snacks |

Saturday - 08.06.2024

HG D1.1 (conference room)

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| 09:00 - 09:35 | The diversity of genes involved in wheat resistance to Septoria tritici blotch - Cyrille Sainetnac |
| 09:35 - 09:55 | Using <i>Nicotiana benthamiana</i> to understand non-host resistance against <i>Zymoseptoria tritici</i> - Abdelrahman Mohammad |
| 09:55 - 10:15 | Enhancing STB Resistance in Australian Wheat Breeding through Multi-Stage Resistance loci - Nannan Yang |
| 10:15 - 10:35 | Exploration of synthetic wheats for resistance to Septoria leaf blotch disease - Kostya Kanyuka |
| 10:35 - 11:05 | Break |
| 11:05 - 11:35 | Exploring the genomic landscape of rapid adaptation in the fungal wheat pathogen <i>Zymoseptoria tritici</i> - Cécile Lorrain |
| 11:35 - 11:55 | Local adaptation to temperature in a genetically diverse world-wide collection of a major plant pathogen - Silvia Miñana-Posada |
| 11:55 - 12:15 | Wheat blast - an expanding disease threatening global wheat production - Pawan Singh |
| 12:15 - 13:45 | Lunch |
| 13:45 - 14:15 | The cloning of susceptibility genes in wheat reveals diverse host targets hijacked by necrotrophic pathogens - Justin Faris |
| 14:15 - 14:35 | Exploring the role of the <i>Parastagonospora nodorum</i> necrotrophic effector, SnTox267, during in planta colonization - Ashley Nelson |
| 14:35 - 14:55 | Mediterranean durum wheat: A genetically diverse panel harboring valuable sources of resistance to tan spot disease - Marwa Laribi |
| 14:55 - 15:15 | The specialization of <i>Zymoseptoria tritici</i> on durum wheat - Thierry Marcel |
| 15:15 - 15:45 | Break |
| 15:45 - 16:35 | Mycorrhizas and Microbiome Management for a Sustainable Agriculture - Marcel van der Heijden |
| 16:35 - 16:45 | Closing |
| 18:30 - 22:00 | Conference Dinner (Dozentenfoyer) |