

3rd Magnafest

March 15, 2022

Asilomar Conference Grounds, Pacific Grove, CA

Kiln hall

MARCH 15, 2022

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|---------------|---|
| 09:00 - 09:20 | Ely Oliveira-Garcia, Louisiana State University
Richard A. Wilson, University of Nebraska-Lincoln
Introduction to meeting |
| 09:20 - 09:40 | Frank Menke - The Sainsbury Laboratory

Quantitative phosphoproteomic analysis of appressorium development by the rice blast fungus <i>Magnaporthe oryzae</i> |
| 09:40 - 10:00 | Jun Huang - Kansas State University
Repair of CRISPR-Cas12a induced DNA double-strand breaks in <i>Magnaporthe oryzae</i> generates locus-dependent mutation profiles |
| 10:00 - 10:20 | Pierre Gladieux - INRAE
Molecular evolution of virulence effectors of the rice blast fungus <i>Magnaporthe oryzae</i> |
| 10:20 - 10:40 | Coffee Break |
| 10:40 - 11:00 | Thorsten Langner - The Sainsbury Laboratory
Mini-chromosomes as drivers of genetic diversity and host-adaptation in the blast fungus <i>Magnaporthe oryzae</i> |
| 11:00 - 11:20 | Camilla Molinari - The Sainsbury Laboratory
Identifying global regulators of effector gene expression in the rice blast fungus <i>Magnaporthe oryzae</i> |
| 11:20 - 11:40 | Diana Gómez De La Cruz - The Sainsbury Laboratory
Convergent recognition of the <i>Magnaporthe oryzae</i> host specificity determinant <i>PWL2</i> in divergent grass species |
| 11:40 - 12:00 | Richard A. Wilson - University of Nebraska-Lincoln
tRNA modification and codon usage controls effector translation and secretion |

12:20 - 01:20	Lunch Break
01:20 - 01:40	Alexandre Lassagne - Cirad Characterization of sexual reproduction mechanisms of <i>Pyricularia oryzae</i> to determine genetic bases of male and female fertility.
01:40 - 02:00	Berlaine Quime - The Sainsbury Laboratory Investigating the cell biology of plant infection by the rice blast fungus <i>Magnaporthe oryzae</i>
02:00 - 02:20	Hernán A. Burbano - University College London A pandemic clonal lineage of the wheat blast fungus
02:20 - 02:40	David Roos - University of Pennsylvania FungiDB
02:40 - 03:00	Coffee Break
03:00 - 03:20	Nick Talbot - The Sainsbury Laboratory Magnagenes
03:20 - 03:40	Mostafa Rahnama - University of Kentucky Chromosomal responses to telomere dysfunction in <i>Pyricularia oryzae</i> are determined by subterminal sequence composition
03:40 - 04:00	Maud Thierry - INRAE Ecological Differentiation Among Globally Distributed Lineages of the Rice Blast Fungus <i>Pyricularia oryzae</i>
04:00 - 04:20	Igor Grigoriev - US DOE Joint Genome Institute Genes of unknown function conserved across fungi: a call for action
04:20 - 04:40	Ely Oliveira-Garcia - Louisiana State University Cytoplasmic effector translocation during early biotrophic invasion by the rice blast fungus.
04:40 - 05:00	General Discussion