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Transposon analysis and comparative genomics of the *Leptosphaeria maculans*-*L. biglobosa* species complex.

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Dothideomycetes Comparative Genomics workshop
27th Fungal Genetics Conference at Asilomar
March 12, 2013

Organizers:

Steve Goodwin, USDA-ARS/Purdue University (sgoodwin@purdue.edu)
Igor Grigoriev, US DOE Joint Genome Institute (ivgrigoriev@lbl.gov)

Agenda:

Dothideomycetes genome sequencing: status and future needs

9:00-9:15	Steve Goodwin, USDA-ARS/Purdue University	Opening, introductions and goals
9:15-9:30	Igor Grigoriev, JGI	Overview of the Fungal Genomics Program at the JGI and the next CSP
9:30-9:45	James Fountaine, SRUC, Scotland	Genome sequencing of the barley pathogen <i>Ramularia collo-cygni</i>
9:45-10:00	Jerome Collemare, Wageningen University, the Netherlands	The genome of <i>Cladosporium fulvum</i>
10:00-10:15	Chris Lawrence, Virginia Bioinformatics Institute	Comparative genomics of virulence factors, <i>Alternaria</i> species
10:15-10:45	<i>Break</i>	
10:45-11:00	Nada Krasevec, National Institute of Chemistry, Slovenia	Sequencing and analysis of cytochrome P450s in <i>Cochliobolus lunatus</i>
10:45-11:00	Jo Bowen/Kim Plummer, Australia and New Zealand	Update on genome sequences of <i>Venturia</i> species
11:00-11:15	Klaas Schotanus, Max Planck Institute, Germany	Centromeres of <i>Mycosphaerella graminicola</i>
11:15-11:30	Ronny Kellner, Max Planck Institute, Germany	Transcriptome profiling of <i>Mycosphaerella graminicola</i>
11:30-11:45	Stephen Poppe, Max Planck Institute, Germany	Effectors in the genome of <i>Mycosphaerella graminicola</i>
12:00-13:00	<i>Lunch</i>	

Comparative analyses of multiple genomes

13:15-13:30	Gert Kema lab, Wageningen, the Netherlands	Genomic analyses of <i>Mycosphaerella graminicola</i> and <i>M. fijiensis</i>
13:30-13:45	Richard Hamelin lab, University of British Columbia, Canada	Comparative genome-wide scan in poplar-infecting <i>Mycosphaerella</i>
13:45-14:00	Shaobin Zhong lab, North Dakota State University	Identification of virulence genes in <i>Cochliobolus sativus</i> by comparative genomics

14:00-14:15	Gillian Turgeon lab, Cornell University	<i>Cochliobolus</i> species and race variation
14:15-14:30	Rohan Lowe, University of Melbourne, Australia	<i>Leptosphaeria maculans</i> genomics in Australia
14:30-15:00	<i>Break</i>	
15:00-15:15	Jonathan Grandaubert, INRA, France	Transposon analysis and comparative genomics of the <i>Leptosphaeria maculans</i> - <i>L.</i> <i>biglobosa</i> species complex
15:15-15:30	Robin Ohm, JGI	Comparative genomics of 18 Dothideomycetes genomes
15:30-15:45	Steve Goodwin, USDA- ARS/Purdue University	Comparative analysis of mitochondrial genomes of the Dothideomycetes
15:45-16:00	Ben Horwitz, Technion IIT, Israel	Transcriptomics of <i>Cochliobolus</i> <i>heterostrophus</i>
<i>Future plans(open discussion)</i>		
16:00-17:00	Igor Grigoriev/Steve Goodwin	Publication plans, future collaborative grant opportunities and next CSP proposals