

Fusigroup Policy Committee

Antonio di Pietro, Chair
Bettina Tudzynski
Corby Kistler
Martijn Rep
Michael Freitag
Kevin McCluskey (collections)
Igor Grigoriev (sequencing center)

Program

ROOM: NAUTILUS

9:00 Welcome - Martijn Rep and Michael Freitag

Functional Genomics

- 9:05 Sung-Hwan Yun (Soonchunhyang University, Asan, Korea)
"Genomic analysis of the *Fusarium graminearum* species complex in Korea"
- 9:25 Christian Sieber (Helmholtz Zentrum München, Germany)
"Comparative analysis of noncoding sequences in the *G. fujikuroi* species complex "
- 9:45 Martin Urban (Rothamsted Research, Harpenden, UK)
"Characterization of the small cyp51 family and update on the *F. culmorum* genome"
- 10:00 Li Guo (University of Massachusetts, Amherst, USA)
"Reconstruction of Gene Regulatory Networks in *Fusarium graminearum*"
- 10:15 Kristina Smith (Oregon State University, Corvallis, USA)
"Chromatin territories in *Fusarium*"

10:30 – 11:00 coffee break

Gene Regulation, Secondary Metabolites and Development

- 11:00 Jörg Bormann (Biozentrum Klein Flottbek, Hamburg, Germany)
"The ATF/CREB transcription factor Atf1 is essential for full virulence, deoxynivalenol production and stress tolerance in *Fusarium graminearum*"
- 11:15 Frances Trail (Michigan State University, East Lansing, USA)
"Unraveling the genetics of perithecium form and function in *F. graminearum*"
- 11:30 Gopal Subramaniam (Agriculture and Agri-Food Canada, Ottawa, Canada)
"Leucine metabolism regulates *Tri6* expression"
- 11:45 Simon IpCho (USDA ARS Cereal Disease Laboratory, St. Paul, USA)
"Innate Immunity in *Fusarium graminearum*"
- 12:00 Jose Espino (Westfälische Wilhelms-Universität Münster, Germany)
"*In planta* expression of secondary metabolite gene clusters in *F. fujikuroi*"
- 12:15 Bob Proctor (Mycotoxin Research Unit, ARS, USDA, Peoria, USA)
"Don't judge a book by its cover: uniform organization of the fumonisin biosynthetic gene cluster belies its complex evolutionary history"

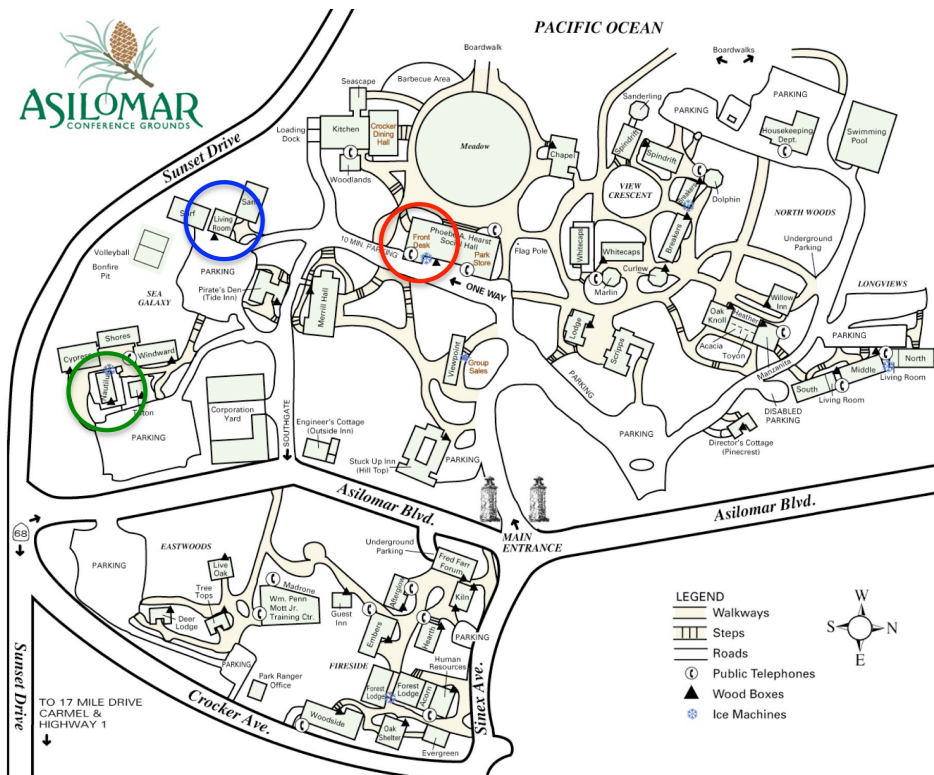
12:30 – 2:15 lunch break

Pathogenicity, and Population Biology

- 2:15 Igor Grigoriev (DOE Joint Genome Institute, Walnut Creek, USA)
"The latest call for Community Sequencing Proposals from JGI"
- 2:30 Donald Gardiner (CSIRO Plant Industry, Brisbane, Australia)
"The *Fusarium pseudograminearum* genome: shaped by multiple events of lateral gene acquisition"

- 2:45 Nadia Ponts (INRA Centre de Bordeaux Aquitaine, Bordeaux, France)
 "Fgap1-mediated response to oxidative stress in trichothecene-producing *Fusarium graminearum*"
- 3:00 Sarah Schmidt (University of Amsterdam, The Netherlands)
 "Expression of Fol genes during infection of tomato and the prediction of novel effector genes in the *Fusarium oxysporum* species complex"
- 3:15 David Turrà (University of Cordoba, Spain)
 "RNA-seq reveals host signal-induced transcriptional reprogramming in *F. oxysporum*"
- 3:30 Chris Rampitsch (Agriculture and Agri-Food Canada, Winnipeg, Canada)
 "Comparative secretome analysis of *Fusarium graminearum* and two of its non-pathogenic mutants under nitrogen-limitation *in vitro*"

- short talks (5 min total)
- open discussion
- Fusigroup business



- Asilomar Conference Grounds – Registration Desk (Rooms and Meals)
- Workshop Registration (Monday, March 11, 5 – 8 pm, Surf and Sand)
- Fusarium Workshop (Tuesday, March 12, 9 am – 4:30 pm, Kiln)