

TWENTY SIXTH FUNGAL GENETICS CONFERENCE

SCIENTIFIC PROGRAM

Tuesday, March 15

3:00 pm – 10:00 pm	Registration	Administration Building
6:00	Dinner	Crocker Hall
7:30 pm – 10:30 pm	Social Reception (Mixer)	Merrill Hall

Wednesday, March 16

7:30 am - 1:00 pm	Registration	Administration
7:30 am - 8:30 am	Breakfast	Crocker Hall
8:30 am – 12:00 pm	Plenary Session I	Merrill Hall and Chapel

Genome Evolution Chair: Ralph Dean

Jeff Townsend	Comparative transcriptomics and development of perithecia
David Hibbett	Deep Rot: Phylogenetic and comparative genomics perspectives on the evolution of the wood decay apparatus in Agaricomycotina
Antonis Rokas	The birth, evolution and death of metabolic pathways in fungi
Geraldine Butler	Evolution of hypoxic regulation in <i>Candida</i> species
Martijn Rep	Genome dynamics in the <i>Fusarium oxysporum</i> species complex

12:00- 1:00 pm	Lunch	Crocker Hall
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Box lunches will be available on a first come, first served basis for meeting attendees on the deck outside of the Administration Building.

Following lunch, the mornings speakers will be available on the benches outside the administration building to meet with students. Please allow time for students to meet the speakers. In the event of rain, please go inside the administration building.

12:15 pm – 1:30 pm, **Ad hoc workshops** (Please do not take box lunches from ad hoc sessions unless you are attending the session)

<u>Neurospora Lunch/Policy Committee</u>	Chapel
<u>Magnaporthe Comparative Genomics</u> (until 1:45 pm)	Fred Farr Forum

3:00 pm – 6:00 pm **Concurrent Sessions I**

Comparative and Functional Genomics	Jason Stajich and Dawn-Anne Thompson	Merrill Hall
Photobiology	Alex Idnurm and Luis Corrochano	Chapel
Fungal Effectors	Mark Glijzen and Bart Thomma	Heather
Symbiosis	Alga Zuccaro and Sebastien Duplessis	Fred Farr Forum
Evolution of Sex in Fungi	Paul Dyer and Robert Debuchy	Kiln
Evolution of Centromeres	Kaustuv Sanyal and Judy Berman	Nautilus

6:00 Dinner, **Crocker Hall**

7:30 pm – 10:30 pm **Poster Session I** **Fred Farr Forum Garage**

<u>Poster Number</u>	<u>Topics</u>
113 - 223	Gene Regulation
322 - 388	Biochemistry and Metabolism
607 - 653	Other Topics

Authors of ODD numbered posters should be at their poster from 7:30- 8:30 and authors of EVEN numbered posters should be at their posters from 8:30 - 9:30.

Thursday, March 17

7:30 am - 1:00 pm Registration

Administration

7:30 am - 8:30 am Breakfast

Crocker Hall

8:30 am – 12:00 pm

Plenary Session II

Merrill Hall and Chapel

Symbioses

Chair: Francis Martin

Regine Kahmann

Effectors and the establishment of biotrophy in smut fungi

Natalia Requena

Root sweet home: signaling in the arbuscular mycorrhizal symbiosis

Duur Aanen

Artificial selection of Termitomyces fungi by termites

Christian Hertweck

Endofungal bacteria as producers of mycotoxins

Elizabeth Arnold

Evolutionary origins of endophytic fungi

12:00- 1:00 pm Lunch

Crocker Hall

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12:15 pm – 2:00 pm, **Ad hoc workshops** (Please do not take box lunches from ad hoc sessions unless you are attending the session)

Career Luncheon

Seascape Dining Room

Trainees are welcome to seek advice from career scientists at the Career Luncheon. Career mentor tables will be located in the Seascape Dining Room of Crocker Hall, and will arranged by mentoring topic. Table-hopping is encouraged.

JGI Genome Portal and Community Annotation Tools Workshop

Merrill Hall

3:00 pm – 6:00 pm

Concurrent Sessions II

Fungus-Host Signaling

Barbara Howlett and Gunther Döhlemann

Merrill

Interactions between Fungi and Prokaryotes

Teresa Pawlowska and Paola Bonfante

Kiln

Emergent Fungal Diseases

John Taylor and Matthew Fisher

Chapel

Regulation of Septation During Growth and Development

Oded Yarden and Stephan Seiler

Heather

Secretion, Endocytosis and Membrane Trafficking

Brian Shaw and Miguel Peñalva

Fred Farr Forum

ChIP-chip/ChIP-seq: protein interactions with DNA

Tom Michell and Michael Freitag

Nautilus

Education and Public Outreach

Pat Pukkila and Mimi Zolan

Scripps

6:00 Dinner

Crocker Hall

7:30 pm – 10:30 pm

Poster Session II

Fred Farr Forum Garage

Poster Number

Topics

1 - 112

Comparative and Functional Genomics

224- 321

Cell Biology

654 - 670

Other Topics

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Friday, March 18

7:30 am - 1:00 pm Registration

Administration

7:30 am - 8:30 am Breakfast

Crocker Hall

8:30 am – 12:00 pm **Plenary Session III**

Merrill Hall and Chapel

Growth and Reproduction

Chair: Steve Harris

Jeff Rollins

The developmental determinacy and reprogramming of *Sclerotinia sclerotiorum* apothecia

Amy Gladfelter

Nuclear anarchy and cortical order in *Ashbya gossypii*

Jose Perez-Martin

**Connections between cell cycle, morphogenesis and pathogenicity in fungi:
the case of *Ustilago maydis***

Stephan Seiler

Dissecting COT1 NDR kinase regulation and signaling in *Neurospora crassa*

Hanna Johannesson

Longstanding evolutionary puzzles: Fungi as holders of the missing pieces

12:00- 1:00 pm Lunch

Crocker Hall

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Ad hoc workshops (Please do not take box lunches from ad hoc sessions unless you are attending the session)

12:15 pm – 1:45 pm

Colletotrichum Workshop

Scripps

12:15 pm - 1:30 pm

Fungal Genome Tools

Chapel

3:00 pm – 6:00 pm **Concurrent Sessions III**

Cell Cycle, Development, and Morphology

Nick Talbot and Meritxell Riquelme

Fred Farr Forum

Host Selective Toxins

B. Gillian Turgeon and Tim Friesen

Nautilus

Fungicides and Antifungals

Leah Cowen and Sabine Fillinger

Chapel

Biobased products, Biofuels, and Bioenergy

Jonathan Walton and Peter Punt

Merrill

High Throughput Methods

Marco Berg-van-den and Aric Wiest

Heather

for Filamentous Fungi

Population Genomics

Jim Anderson and Eva Stuckenbrock

Kiln

Dimorphic Transitions in Fungi

Julia Kohler and Anne Dranganis

Scripps

6:00 Dinner

Crocker Hall

7:30 pm – 10:30 pm **Poster Session III**

Fred Farr Forum Garage

Poster Number

Topics

389 - 445

Population and Evolutionary Genetics

446 - 601

Pathogenic and Symbiotic Interactions

602 - 606

Education

671 - 678

Other Topics

Authors of ODD numbered posters should be at their poster from 7:30- 8:30 and authors of EVEN numbered posters should be at their posters from 8:30 - 9:30.

Saturday, March 19

7:30 am - 1:00 pm Registration

Administration

7:30 am - 8:30 am Breakfast

Crocker Hall

8:30 am – 12:00 pm **Plenary Session IV**

Merrill Hall and Chapel

Regulatory Networks Chair: Nancy Keller

Brenda Andrews

Mapping cellular pathways using yeast functional genomics

Dawn Anne Thompson

It's About Time: Evolutionary rewiring of regulatory networks

Brett Tyler

How fungal and oomycete proteins enter plant and animal cells

Jay Dunlap

Genetic and genomic approaches to light and clock regulation of development

John Linz

Regulation of the compartmentalization of secondary metabolite biosynthesis

12:00- 1:00 pm Lunch

Crocker Hall

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2:00 pm – 5:00 pm **Concurrent Sessions IV**

**Genome Defense Mechanisms, Epigenetics
and RNAi**

Rodolfo Aramayo and Yi Liu

Merrill Hall

Systems and Synthetic Biology

Han de Winde and Merja Pentilla

Fred Farr Forum

Fungi that Infect Humans

Aaron Mitchell and Jennifer Lodge

Chapel

Proteomics and Metabolomics

Peter Solomon and Kim Hammond-Kosack

Kiln

Stress Signalling

Amir Sharon and Jesus Aguirre

Nautilus

Hyphal Tip Growth

Neal Gow and Jurgen Wendland

Heather

5:30 - 6:15 pm **Perkins/ Metzenberg Lecture:** Prof. Salomon Bartnicki-Garcia

Merrill Hall

6:30 Banquet

Crocker Hall

8:30 pm - 12:30 am Closing party featuring "The Amplified DNA Band"

Merrill Hall

8:30 pm - 12:30 am Quiet alternative

Surf and Sand Living room

Sunday, March 20

7:30 am - 8:30 am Breakfast

Crocker Hall

12:00 pm Check-out

Ad Hoc Workshops

Wednesday

Neurospora Lunch/Policy Committee

12:15 pm – 1:30 pm

Chapel

Magnaporthe Comparative Genomics

12:15 pm – 1:45 pm

Fred Farr Forum

Thursday

JGI Fungal Genomics Program: Tools and Applications

12:15 pm – 1:30 pm

Merrill Hall

GSA Career Luncheon

Seascape Dining Room

Friday

Colletotrichum Workshop

12:30 pm – 1:45 pm

Scripps

Fungal Genome Tools

12:15 pm – 1:30 pm

Chapel