

FRIDAY, March 26

9:00 - 11:45 AM	SESSION IV – Chair: Len Pennacchio
9:00 AM	<b>Genomic Sequencing of Single Bacterial Cells</b> Tanja Woyke, <i>DOE JGI</i>
9:30 AM	<b>Fungal Decomposition of Lignocellulosic Substrates</b> Adrian Tsang, <i>Concordia University</i>
10:00 AM	Break
10:30 AM	<b>Metabolic Noise, Vestigial Metabolites or the Raw Material of Ecological Adaptation? Opportunistic Enzymes, Catalytic Promiscuity and the Evolution of Chemodiversity in Nature</b> Joseph Noel, <i>Salk Institute</i>
11:00 AM	<b>Keynote Address: Solving Problems With Sequences</b> Rita Colwell, <i>University of Maryland</i>
11:45 AM	End of User Meeting

All are welcome to participate in these other sessions of interest:



**MyJGI: Meet the Developers**

If you are using the MyJGI web site to submit proposals or sample information, and have questions or suggestions about it, don't miss an informal Q&A session with the MyJGI developers.

Wednesday, 24 March  
7:00-8:00pm  
WC Marriott, San Jose Room

**DOE JGI Business Meeting**

You are invited to join DOE JGI management for an informational Q&A session. Bring lunch and find out what's going on at the DOE JGI right now, and what the future looks like.

Thursday, 25 March  
12:15-1:15 pm  
General Session Ballroom

**CSP 2011: Call for Proposals**

- The CSP 2011 call for proposals has been released. **Letters of intent are due March 31, 2010.**
- Large-scale resequencing of organisms with a reference sequence
  - Single cell genomes
  - Large-scale microbial isolate sequencing
  - Eukaryotic whole genome sequencing
  - Large-scale metagenome sequencing

CSP Microbial Proposals are now accepted for review on a quarterly basis. **Deadline for the next microbial review is April 7, 2010.**

- Bacterial and archaeal isolates
- Bacterial resequencing

<http://proposals.jgi-psf.org>

**DOE JGI User Meeting Survey**

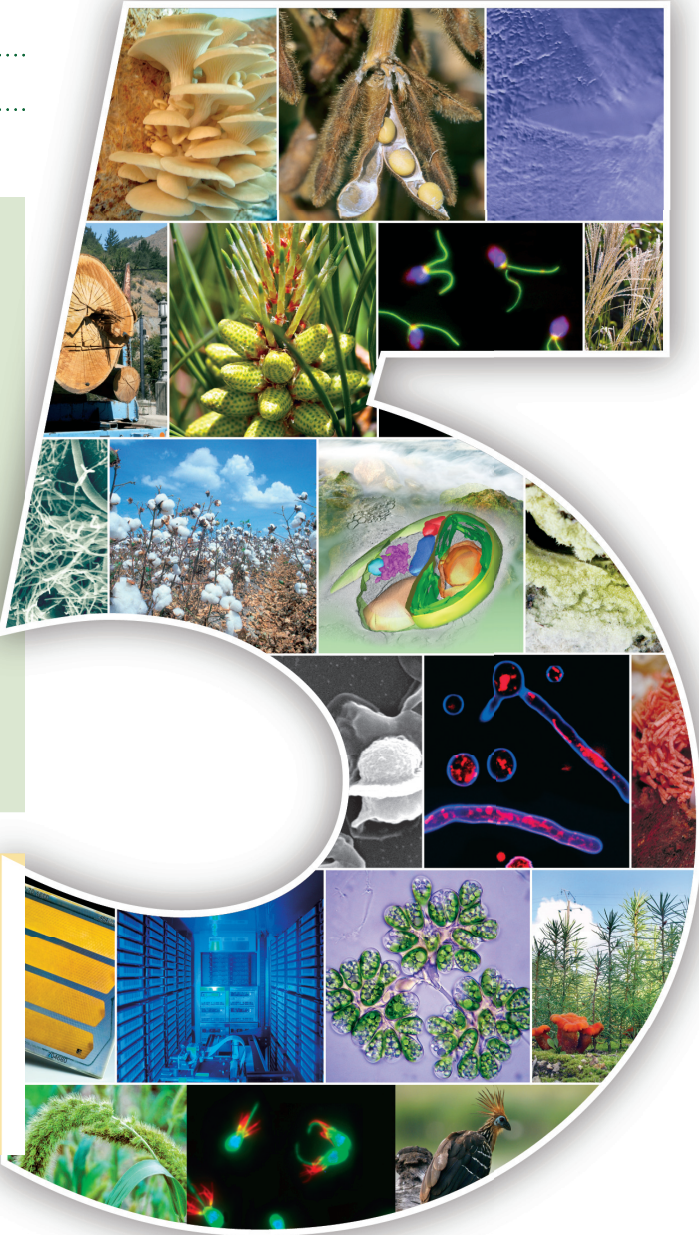
Please fill out your DOE JGI User Meeting Survey (in your registration packet) and return it to one of the marked collection boxes or the registration desk. We look forward to reading your comments, ideas and suggestions!

# GENOMICS

## of Energy & Environment

5<sup>TH</sup> ANNUAL USER MEETING  
**MARCH 24-26, 2010**  
at the Marriott in Walnut Creek, California

# AGENDA



WORKSHOPS (preregistration required)

Monday

9:00 AM – 6:00 PM	IMG Workshop	WC Marriott Contra Costa I
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Tuesday

9:00 AM – 6:00 PM	IMG Workshop	WC Marriott Contra Costa I
	K-Base Workshop	WC Marriott, CA Ballroom BC

Wednesday

9:00 AM – 12:00 PM	Eukaryotic Annotation Workshop	WC Marriott Contra Costa II
	IMG Tutorial Workshop	WC Marriott CA Ballroom ABC
	JGI 101 Workshop	WC Marriott CA Ballroom DEF
	Phytosome Workshop	WC Marriott Santa Rosa Room

WEDNESDAY, March 24

9:00 – 12:00 PM	WORKSHOPS SESSION - Pre-registration required
12:00 – 1:00 PM	Lunch provided for WORKSHOP PARTICIPANTS ONLY on this day
1:00 – 4:30 PM	SESSION I – Chair: Eddy Rubin
1:00 PM	<b>Welcome and Introduction</b> Eddy Rubin, <i>DOE JGI</i>
1:10 PM	<b>Genomics on the Half Shell: So, What Do Oysters Have to Do with Energy?</b> Dennis Hedgecock, <i>USC</i>
1:40 PM	<b>From Fjords to Open Seas: Ecological Genomics of Expanding Oxygen Minimum Zones</b> Steven Hallam, <i>University of British Columbia</i>
2:10 PM	<b>Marine Algal Evolution, Ecology and Roles in Global CO<sub>2</sub> Uptake</b> Alexandra Worden, <i>MBARI</i>
2:40 PM	Break
3:00 PM	<b>Soybean</b> Gary Stacey, <i>University of Missouri</i>
3:30 PM	<b>Genome Insights Into Early Fungal Evolution And Global Population Diversity Of The Amphibian Pathogen <i>Batrachochytrium dendrobatidis</i></b> Christina Cuomo, <i>Broad Institute, MIT</i>
4:00 PM	<b>The <i>Laccaria</i> and Tuber Genomes Reveal Unique Signatures of Mycorrhizal Symbiosis Evolution</b> Francis Martin, <i>INRA</i>
4:30 PM	Break
5:00 – 6:00 PM	<b>Keynote Address: Synthetic Biology for Advanced Fuels</b> Jay Keasling, <i>Joint BioEnergy Institute</i>
6:00 – 10:00 PM	Opening Reception and Poster Session

All functions will be held at the Walnut Creek Marriott unless otherwise noted.

THURSDAY, March 25

8:30 – 11:45 AM	SESSION II – Chair: Dan Rokhsar
8:30 AM	<b>Wood-Producing Sunflower? Mining Genetic Diversity in Desert-Dwelling Wild Species</b> Steve Knapp, <i>Monsanto</i>
9:00 AM	<b>The Promise and Challenge of Producing Biofuel Feedstocks: An Ecological Perspective</b> Evan DeLucia, <i>University of Illinois at Urbana-Champaign/EBI</i>
9:30 AM	Break
10:00 AM	<b>Keynote Address: Genes and Genomics for Improving Energy Crops</b> Roger Pennell, Ceres, Inc.
10:45 AM	<b>Competitiveness of Second Generation Biofuel Feedstocks: Role of Technology and Policy</b> Madhu Khanna, <i>University of Illinois at Urbana-Champaign/EBI</i>
11:15 AM	<b>Phenotypes Phirst! –Tackling complex traits in the field</b> Tom Mitchell Olds, <i>Duke University</i>
11:45 – 1:30 PM	Lunch
12:15 – 1:15 PM	Business Meeting
1:30 – 5:00 PM	SESSION III – Chair: Phil Hugenholtz
1:30 PM	<b>Ocean Viral Metagenomics</b> Forest Rohwer, <i>San Diego State University</i>
2:00 PM	<b>Patterns of Nitrogen Utilization in Deep-Sea Syntrophic Consortia</b> Victoria Orphan, <i>Caltech</i>
2:30 PM	<b>Discovery of Genes and Genomes through Deep Metagenomic Sequencing of Cow Rumen</b> Eddy Rubin, <i>DOE JGI</i>
3:00 PM	Break
3:30 PM	<b>Next-Generation Genetics in Plants: Evolutionary Tradeoffs, Immunity and Speciation</b> Detlef Weigel, <i>Max Planck Institute for Developmental Biology</i>
4:00 PM	<b>Tackling the Triple-Threat Genome of <i>Miscanthus x giganteus</i></b> Steve Moose, <i>University of Illinois at Urbana-Champaign/EBI</i>
4:30 PM	<b>Three Non-Technical Challenges in the Development of Biomass-based Energy</b> Steve Savage, <i>Cirrus Partners</i>
5:00 – 6:00 PM	Travel to DOE JGI – Bus Service from Marriott
6:00 – 9:00 PM	Reception, Poster Session and Tours at DOE JGI
9:00 – 10:00 PM	Travel from DOE JGI – Bus Service to Marriott