**2017 JGI Secondary Metabolite Conference**

**July 24-26, 2017 -- Walnut Creek Marriott, Walnut Creek, CA**

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

# MONDAY, July 24 - California Ballroom

***Start TimeEnd Time Subject Session Chair/Speaker***

**4:00 PM 5:00 PM Opening Keynote Presentation**

## Speaker: Jo Handelsman, Wisconsin Institute for Discovery,

## “Convergence of model systems and the natural world”

**5:00PM 5:30 PM Rapid Fire**

## TBD

**5:30 PM 9:00 PM Opening Reception and Poster Session**

Host: Yasuo Yoshikuni

# TUESDAY, July 25 - California Ballroom

***Start TimeEnd Time Subject Session Chair/Speaker***

**9:00 AM 9:10 AM Welcome & Introduction**

Axel Visel

**9:10 AM 9:40 AM JGI Synthetic Biology**

Yasuo Yoshikuni

**9:40 AM 10:10 AM JGI Metabolomics**

Trent Northen

**10:10 AM 10:30 AM Break**

**10:30 AM 11:00 AM Caroline Roper, University of California, Riverside**

“Plant-associated microbiomes and the effects on disease outcomes”

**11:00 AM 11:30 AM Ronnie de Jonge, Utrecht Netherlands**

"Understanding the role of the root microbiome and plant health"

**11:30 AM 12:00 PM Matthew Traxler, University of California, Berkeley**

"Specialized metabolism in root nodule communities"

**12:00 PM 12:15 PM Short Talk 1 – TBA (to be chosen from poster abstracts)**

**12:15 PM 1:15 PM Working *Lunch***

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| **1:15PM** | **1:45 PM** | **Alisa Huffaker, University of California, San Diego**  **“Understanding the role of specialized metabolic networks mediating biotic interactions in maize through integrated multidisciplinary approaches”** |
| **1:45 PM** | **2:15 PM** | **Jie Luo, Huazhong Agriculteral University**  **"Dissection of metabolic and phenotypic traits in major crops”** |
|  |  |  |
| **2:15 PM** | **2:45 PM** | **Gary Siuzdak, The Scripps Research Institute**  **"Cloud-Based Systems Biology guided by Metabolomics"** |
| **2:45 PM** | **3:00 PM** | **Short Talk 2 – TBA (to be chosen from poster abstracts)** |
| **3:00 PM** | **3:30 PM** | **Break** |
| **3:30 PM** | **3:50 PM** | **Industry Speaker – TBA** |
| **3:50 PM** | **4:10 PM** | **Industry Speaker – TBA** |
| **4:10 PM** | **4:30 PM** | **Industry Speaker – TBA** |
| **4:30 PM** | **5:00 PM** | **Rapid Fire**  **TBD** |
| **5:15 PM** | **6:00 PM** | ***Travel to JGI –Shuttle Service from Marriott*** |
| **6:00PM** | **9:00PM** | **Reception, Poster Session and JGI Tour** |
| 7:00 PM | 9:00 PM | ***Travel from JGI –Shuttle Service to Marriott*** |

# WEDNESDAY, July 26 - California Ballroom

***Start Time End Time Subject Session Chair/Speaker***

**9:00 AM 9:30 AM Nancy Keller, University of Wisonsin - Madison**

“Omics Approaches to Deorphanize Fungal Natural Products”

**9:30 AM 10:00 AM Sophien Kamoun, The Sainsbury Laboratory, UK**

“Membrane trafficking at the host-pathogen interface”

**10:00 AM 10:30 AM Gillian Turgeon, Cornell University**

"Comparative phylogenomics identifies fungal secondary metabolites allied with virulence to plant hosts"

**10:30 AM 11:00 AM Break**

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| **11:00 AM** | **11:30 AM** | **Huimin Zhao, University of Illinois at Urbana-Champaign**  **"Discovery and engineering of novel natural products via synthetic biology** |
| **11:30 AM** | **12:00 PM** | **Eriko Takano, The University of Manchester** |
|  |  | **"Harnessing synthetic biology for the production of fine and specialty chemicals"** |
| **12:00 PM** | **1:00 PM** | **Working Lunch** |
| **1:00 PM** | **1:30 PM** | **David Mead, Varigen Biosciences**  **“Metagenomic and Synthetic Biology Approaches for Natural Product Discovery”** |
| **1:30 PM** | **2:00 PM** | **Yi Tang, University of CA, Los Angeles (UCLA)** |
|  |  | **"Genome Mining for New Herbicide"** |
| **2:00 PM** | **2:30 PM** | **Sarah O’Connor, John Innes Centre, UK** |
|  |  | **"Harnessing the chemistry and biology of plant metabolism"** |
| **2:00 PM** | **2:30 PM** | B**reak** |
| **3:00 PM** | **3:30 PM** | **Michael Smanski, University of Minnesota** |
|  |  | **“Redesigning the genetics of secondary metabolism in Streptomyces”** |
| **3:30 PM** | **4:00 PM** | **Wenjun Zhang, Lawrence Berkeley National Lab** |
|  |  | **"Discovery of novel signaling secondary metabolites from Clostridium"** |
| **4:00 PM** | **5:00 PM** | **Closing Keynote Presentation** |
|  |  | **Speaker: Gerald Tuskan, Oak Ridge National Lab** |
|  |  | **“Interkingdom signaling: a Populus case study”** |
| **5:00 PM** |  | ***End of Secondary Metabolite Conference*** |

***Note: AM and PM refreshments will be served after the meeting begins, while work is being performed. Attendance is required during these times.***