# Conference Agenda

**Friday, October 6th, 2017**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>6:30-8:30 pm</td>
<td>Reception (Hilton Garden Inn): Heavy hors d’oeuvres and drinks</td>
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**Saturday, October 7th, 2017**

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<th>Time</th>
<th>Event</th>
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<tr>
<td>7:00-8:00 am</td>
<td>Breakfast and registration (2nd floor LINC) and setup poster (Rms 343 and 345 of LINC)</td>
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<td>8:00-8:05 am</td>
<td>Opening remarks Jeff Chang and Elizabeth Savory</td>
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<td>8:05-8:20 am</td>
<td>Tribute to Larry Moore Joyce Loper and Mike Moore</td>
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| 8:20-8:50 am | Keynote I: Agrobacterium and Crown Gall: A Personal and Historical Memoir  
Eugene Nester  
Introduced by Walt Ream |

### Session I: Evolution and ecology of Agrobacterium (Moderator: Nagesh Sardesai)

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| 8:50-9:10 am | Time tree estimation of Agrobacterium reveal early divergence times across taxonomic groups  
Javier Tabima Restrepo  
Oregon State University, Oregon |
| 9:10-9:30 am | Evolution of the Agrobacterium secondary and tertiary replications  
Alexandra Weisberg  
Oregon State University, Oregon |
| 9:30-9:50 am | Genomic interactions, stability, and evolution in A. tumefaciens 15955  
Ian Barton  
Indiana University, Indiana |
| 9:50-10:10 am | A microwell array platform for identifying microbes that influence Agrobacterium  
Tom Platt  
Kansas State University, Kansas |
| 10:10-10:55 am | Coffee Break and poster session I (LINC 343 and 345) |
Session II: Diseases of Agrobacterium (Moderator: Elizabeth Savory)

10:55-11:15 am  Crown gall: why do we know so little after so many years?  
Melodie Putnam  
Oregon State University, Oregon

11:15-11:35 am  Crown Gall in Vineyards: How much is too late?  
Achala KC  
Oregon State University, Oregon

Skylar Fuller  
Oregon State University, Oregon

11:50-1:20 pm  Group photo and lunch break

Session III: Biocontrol of Agrobacterium (Moderator: Melodie Putnam)

1:20-1:40 pm  Insights into the mechanism by which strain F2/5 inhibits crown gall of grape  
Tom Burr  
Cornell University, New York

1:40-2:00 pm  Phage Peptidoglycan Hydrolase kills A. tumefaciens by targeting the cell wall  
Hedieh Attai  
University of Missouri, Missouri

2:00-2:20 pm  Identification and development of crown gall resistant walnut rootstocks  
Dan Kluepfel  
USDA-ARS, California

2:20-2:35 pm  Characterization of a group of novel Bacillus sp. for biocontrol of Agrobacterium  
Michael Belcher  
Oregon State University, Oregon

2:35-2:40 pm  Session change

Session IV: Virulence and genetic transformation (Moderator: Pam Brown)

2:40-3:00 pm  Logic gating in the histidine kinase VirA determines the pathogenic strategy of Agrobacterium  
Dan Pierce  
University of Richmond, Virginia
3:00-3:15 pm  *Agrobacterium rhizogenes* effector protein GALLS reduces transgene copy number in floral-dip transformation of *Arabidopsis thaliana*
Wei Wei
Oregon State University, Oregon

3:15-3:35 pm  The importance of non-homologous end-joining proteins for T-DNA integration
Stanton Gelvin
Purdue University, Indiana

3:35-4:25 pm  Coffee break and poster session II

**Session V: Type IV secretion (Moderator: Clay Fuqua)**

4:25-4:45 pm  Visualization of virulence protein translocation from *Agrobacterium* to yeast and plant cells
Mohammad Reza Roushan
Leiden, Leiden University, The Netherlands

4:45-5:05 pm  Adaptation of VirD2 to function in host eukaryotic cells as revealed by comparative studies with Mob
Kazuya Kiyokama
Hiroshima University, Japan

5:05-5:20 pm  A third nuclear localization signal in the *Agrobacterium tumefaciens* VirD2 protein
Aki Matsuoka
Rutgers University, New Jersey

5:20-5:40 pm  Nuclear localization of VirE2 abolishes its function in transformation
Lan-Ying Lee
Purdue University, Indiana

5:40-6:00 pm  Role of the *Agrobacterium* virulence effector protein VirE2 in modulating plant gene expression
Rachelle Lapham
Purdue University, Indiana

6:30 pm  Banquet – Johnson Lounge; Memorial Union
Sunday, October 8th, 2017

7:00-8:00 am  Breakfast (2nd floor LINC) and take down poster (Rms 343 and 345 of LINC)

8:00-8:30 am  Keynote II: Innovation and Equity: inventing a sustaining and sustainable future
               Rob Horsch
               Introduced by Walt Ream

Session VI: Type III and Type VI secretion systems (Moderator: Stan Gelvin)

8:30-8:50 am  Engineering Agrobacterium for protein delivery through type III secretion system
               Vidhyavathi Raman
               Noble Research Institute, Oklahoma

8:50-9:10 am  Characterization of effector-immunity pairs of the Agrobacterium type VI secretion system
               Chih-Feng Wu
               Oregon State University, Oregon

9:10-9:30 am  Agrobacterium tumefaciens manipulates cell wall composition to empower its type VI-dependent antibacterial activity and to distinguish non-self cells
               Erh-Min Lai
               Academia Sinica, Taiwan

9:30-9:50 am  Suppression of Host Defense Gene Expression by the A. tumefaciens T6SS
               Lois Banta
               Williams College, Massachusetts

9:50-10:10 am  Coffee Break

Session VII: Growth, motility, and attachment (Moderator: Kiran Mysore)

10:10-10:30 am  Regulation of Surface Attachment and Motility in Agrobacterium tumefaciens
                 Clay Fuqua
                 Indiana University, Indiana

10:30-10:50 am  Acid-Responsive Motility Inhibition by MirA in Agrobacterium tumefaciens
                 Melene Thompson
                 Indiana University, Indiana
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| 10:50-11:10 am   | Characterization of the major penicillin-binding proteins required for polar growth and division of *Agrobacterium tumefaciens*  
Michelle Williams  
University of Missouri, Missouri |
| 11:10-11:30 am   | Depletion of cell division proteins causes atypical growth patterning in *Agrobacterium tumefaciens*  
Pamela Brown  
University of Missouri, Missouri |
| 11:30-11:50 am   | Integration of biofilm formation and the cell cycle in *Agrobacterium tumefaciens*  
Jason Heindl  
University of the Sciences in Philadelphia, Pennsylvania |
| 11:50-11:55 am   | Closing remarks                                                                                   |
| 12:00 pm         | Pick up boxed lunch                                                                               |
| 1:00-9:00 pm     | Winery tours at Cristom, Bethel Heights, and Zenith  
Board buses from LINC  
Map provided to those with vehicles  
Banquet at Zenith, catered by Willabys  
Passing of the gall (for 2019 US conference) at the banquet  
Buses return to Hilton |