

Symposium

“Transposing from the Wessler Laboratory to Careers in Science”

Monday, June 14, 2010

**Sponsored by
The Plant Center and
The Department of Plant Biology**

University of Georgia Center for Continuing Education - Mahler Auditorium

Monday, June 14, 2010

8:00-8:30 am – Registration – Georgia Center Registration Desk (main floor)

8:45-9:00 am – Welcome - Kelly Dawe, Plant Biology Department, University of Georgia, Athens - Mahler Auditorium

9:00-10:00 am – Session I - Mahler Auditorium

Rita Varagona, Monsanto - From the arches to the arch, one scientist’s trip from academia to industry

Michael Purugganan, Department of Biology, Center for Genomics and Systems Biology, New York University, New York - The molecular evolution of plant adaptations: from maize and beyond

Sylvestre Marillonnet, Icon Genetics GmbH, Bio-Zentrum Halle, Germany - MagnICON technology for recombinant protein expression in plants

Jianping Hu, MSU-DOE Plant Research Laboratory and Plant Biology Department, Michigan State University, East Lansing - Understanding the biogenesis and function of peroxisomes, the “little brother” of all organelles

10:00-10:30 am – Break

10:30-12:00 am – Session II - Mahler Auditorium

Yanhong Liu, Eastern Regional Research Center, US Department of Agriculture, Wyndmoor, PA - Microarray applications in microbial food safety

Lane Arthur, Pioneer Hi-Bred - Research computing-past, present and future

Qiang Zhang, New Molecular Technologies, Genomics, Monsanto Biotechnology, St. Louis - Personal career development in a biotech industry

Liangjiang Wang, Department of Genetics and Biochemistry, Clemson University, Greenwood - **Genomic data integration and knowledge discovery**

Ning Jiang, Department of Horticulture, Michigan State University, East Lansing - **Junk or treasure: the impact of Pack-MULE transposable elements on genome evolution of plants**

Xiaoyu Zhang, Plant Biology Department, University of Georgia, Athens - **The dynamic genome**

12:00-1:30 pm – Lunch and Keynote Speaker Natasha Raikhel, Department of Botany and Plant Sciences, University of California, Riverside - **Title TBA - Introduction by Joe Key - Ballroom**

1:30-3:00 pm – Session III - Mahler Auditorium

Amy Bouck, Pioneer Hi-Bred, Johnston, IA - **Title TBA**

Cedric Feschotte, Department of Biology, University of Texas, Arlington - **So many transposons, so little time**

Ellen Pritham, Department of Biology, University of Texas, Arlington - **Mobile DNA and dynamic parasite genomes**

Guojun Yang, Department of Biology, University of Toronto at Mississauga - **Helitrons or MITEs? A novel group of transposable elements in invertebrates**

Dawn Nagel, Division of Biological Sciences, University of California, San Diego - **Dissecting the circadian clock network in *Arabidopsis***

Feng Zhang, Department of Genetics, Cell Biology, and Development, University of Minnesota, Minneapolis - **Precise plant genome modification using designed endonucleases**

Nathan Hancock, Center for Applied Genetic Technology, University of Georgia, Athens - **Development of *mPing*-based transposon tagging tools**

3:00-3:30 pm – Break

3:30-4:00 pm – Session IV - Mahler Auditorium

Yujun Han, Plant Biology Department, University of Georgia, Athens - **Genome-wide annotation of DNA transposable elements: implication to gene and genome function and evolution**

Jim Burnette, Plant Biology Department, University of Georgia, Athens - **A new direction--science education**

4:00-4:45 pm – Panel Discussion - TBA

4:45-5:30 pm – Closing remarks - Shelly Schuster, Keck Graduate Institute, Claremont, CA **and Jan Westpheling**, Genetics Department, University of Georgia, Athens