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

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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