SESSION LECTURE

No. 7

Plant Genomes & Evolution

Room: 306AB

Co-Chairs: Yongbiao Xue

Jiming Jiang

Day 1 October 27th (Saturday) 13:30 – 17:00		
Time	**Speaker**	**Title**
13:30-14:00	**Yongbiao Xue** *Institute of Genetics and Developmental Biology, Beijing Institute of Genomics, Chinese Academy of Sciences, China*	Evolution of Self-Incompatibility in Angiosperms: Convergent vs. Divergent
14:00-14:30	**Jiming Jiang** *Michigan State University, USA*	The golden nuggets buried in plant genomes: cis-regulatory DNAsequences associated with open chromatin
14:30-15:00	**Blake Meyers** *University of Missouri, USA*	The evolution and functional roles of reproductive phasiRNAs in plants
15:00-15:30	**Tea Break**	
15:30-16:00	**Robin Buell** *Michigan State University, USA*	Key Events in Evolution of Cultivated Potato
16:00-16:30	**Suhua SHi** *Sun Yat-Sen University, China*	Convergent evolution at multiple genomic levels among the component species of an ecological guild
16:30-17:00	**Hongzhi Kong** *Institute of Botany, Chinese Academy of Sciences*	Ranunculaceae and Evo-Devo of Flowers

Yongbiao Xue

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Prof. Xue's work mainly focuses on the molecular genetics and genomics of complex traits of angiosperms including self-incompatibility and agronomic traits. He serves as Editor-in-Chief of Journal of Genetics and Genomics as well as editorial or advisory members of numerous journals including Genetics, Biology Open and Plant Reproduction. He also is a Plant Biology Faculty Member of F1000 since 2014. He has published over 100 peer-reviewed papers.

Blake Meyers

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Prof. Blake Meyers's work focuses on genome-scale studies of RNA and components of RNA silencing pathways, with a recent emphasis on plant reproductive biology and the evolution of plant small RNAs. Prof. Meyers has been involved with nextgeneration DNA sequencing since its earliest days, and he has developed a number of applications of this technology, including computational methods, that have had a deep impact on plant genomics.

Suhua Shi

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Professor Shi's research focuses on adaptive evolution and speciation in mangroves. The aim of her research is to understand the molecular basis of adaptation and phenotypic variation by using genomic techniques. She is particularly interested in the evolutionary convergence among independently evolved species in the same biological community, as well as geographical mechanisms of speciation revealed by mangroves. Most important of all, Professor Shi's research has shed considerable light on mangroves' emergence, which informs about mangroves' projected survival in the next century when the global sea level rises.

Jiming Jiang

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Dr. Jiming Jiang is a professor of plant biology at Michigan State University. His current research interests include enhancer mediated plant gene expression and regulation associated with environmental stresses; structure, function, and evolution of plant centromeres; genetics and genomics studies of key agronomic traits associated with potato and other crops.

Robin Buell

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Prof.Robin Buell is a fellow of the American Association for the Advancement for Science and the American Society of Plant Biologists, a Michigan State University Foundation Professor and a Michigan State University William J. Beal Distinguished Faculty.Her research program focuses on the genome biology of plants and plant pathogens, including comparative genomics, bioinformatics, and computational biology.

Hongzhi Kong

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Dr. Hongzhi Kong is a professor of Institute of Botany, Chinese Academy of Sciences. His research interest focuses on Evolutionary Developmental Biology, Evolutionary Regulatory Genomics, Bioinformatics, Phylogenomics, and Molecular Evolution. The aims of his research is to understand the developmental and evolutionary mechanisms underlying the floral origin and diversification. He serves as the director of State Key Laboratory of Systematic and Evolutionary Botany at the Institute of Botany, Chinese Academy of Sciences.