CURRICULUM VITAE

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Research Interest

- Functional and Comparative Genomics of Cereals;
- Transfer of Maize Genomic Resource into Rice through Agrobacterium-mediated BIBAC Transformation;
- Chloroplast Development

Professional Memberships

- ASPP

Other Roles

Education & Working Experience

Education:

1991-1995: Pavia University, Pavia, Italy Ph.D., Molecular Genetics

1982-1985: China Agr. University, Beijing, China M.S., Plant Physiology and Biochemistry

1978-1982: Hunan Agr. University, Hunan, China B.S., Plant Physiology and Biochemistry

2005- present: Professor, College of Life Sciences and Technology, Huazhong

Agricultural University, Wuhan, Hubei, China

2002-2006: Leader of BAC Library Construction Center of Arizona Genomics Institute, Unive

rsity of Arizona, Tucson, AZ, USA

1998-2002: Research Assistant Professor, Clemson University Genomics Institute, Clemson, SC, USA

1995-1998: Postdoctoral Research Associate, Department of Biological Sciences, Clemson University, Clemson, SC

1989-1991: Visiting Scholar supported by EEC fellowship, Department of Genetics and Micr obiology, University of Rome, Italy

1985-1989: Research Scientist, Biotechnology Research Center, Chinese Academy of Agricul tural Sciences, Beijing, P. R. China

Publications

(as of 2012)

1) Tao Luo, Tingting Fan, Yinan Liu, Maxi Rothbart, Jing Yu, Shuaixiang Zhou, Bernhard Grimm and Meizhong Luo, 2012, Thioredoxin redox-regulates ATPase activity of Mg chelatase CHLI subunit and modulates redox-mediated signaling in tetrapyrrole biosynthesis and homeostasis of reactive oxygen species in pea plants. Plant Physiology 159: 118-130.

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3) Haiyan Lin, Peng Xia, Rod Wing, Qifa Zhang and Meizhong Luo, 2012, Dynamic intra-japonica subspecies variation and resource application. Mol Plant 5: 218-230.

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5) Andrea Zuccolo, John E Bowers, James C Estill, Zhiyong Xiong, Meizhong Luo, Aswathy Sebastian, José Luis Goicoechea, Kristi Collura, Yeisoo Yu, Yuannian Jiao, Jill Duarte, Haibao Tang, Saravanaraj Ayyampalayam, Steve Rounsley, Dave Kudrna, Andrew H Paterson, J Chris Pires, Andre Chanderbali, Douglas E Soltis, Srikar

Chamala, Brad Barbazuk, Pamela S Soltis, Victor A Albert, Hong Ma, Dina Mandoli, Jody Banks, John E Carlson, Jeffrey Tomkins, Claude W dePamphilis, Rod A Wing and Jim Leebens-Mack, 2011, A physical map for the Amborella trichopoda genome sheds light on the evolution of angiosperm genome structure. Genome Biology 12:R48: 1 – 14.

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7) Xiang Song, Jose Luis Goicoechea (Co-first author), Jetty S. S. Ammiraju (Co-first author),

8) Meizhong Luo (Co-first author), Ruifeng He, Jinke Lin, So-Jeong Lee, Nicholas Sisneros, Tom Watts, David A. Kudrna, Wolfgang Golser, Elizabeth Ashley, Kristi Collura, Michele

9) Braidotti, Yeisoo Yu, Luciano M. Matzkin, Bryant F. McAllister, Therese Ann Markow and Rod A. Wing, 2011, The 19 Genomes of Drosophila: A BAC Library Resource for Genus-Wide and Genome-Scale Comparative Evolutionary Research. Genetics 187: 1023–1030.

10) Jetty S.S. Ammiraju, Xiang Song, Meizhong Luo, Nicholas Sisneros, Angelina Angelova, David Kudrna, HyeRan Kim, Yeisoo Yu, Jose Luis Goicoechea, Mathias Lorieux, Nori Kurata, Darshan Brar, Doreen Ware, Scott Jackson and Rod A. Wing, 2010, The Oryza BAC resource: a genus-wide and genome scale tool for exploring rice genome evolution and leveraging useful genetic diversity from wild relatives. Breeding Science 60: 536 – 543.

11) Steve Rounsley, Pradeep Reddy Marri, Yeisoo Yu, Ruifeng He, Nick Sisneros, Jose Luis Goicoechea, So Jeong Lee, Angelina Angelova, Dave Kudrna, Meizhong Luo, Jason Affourtit, Brian Desany, James Knight, Faheem Niazi, Michael Egholm and Rod A. Wing, 2009, De Novo Next Generation Sequencing of Plant Genomes. Rice 2: 35 – 43.

12) Gyoungju Nah, Christopher L. Pagliarulo, Peter G. Mohr, Meizhong Luo, Nick Sisneros, Yeisoo Yu, Kristi Collura , Jennifer Currie, Jose Luis Goicoechea, Rod A. Wing and Karen S. Schumaker, 2009, Comparative sequence analysis of the SALT OVERLY

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13) Thellungiella halophila and Arabidopsis thaliana. Genomics 94: 196-203.

14) William Nelson, Meizhong Luo (Co-first author), Jianxin Ma, Matt Estep, James Estill, Ruifeng He, Jayson Talag, Nicholas Sisneros, David Kudrna, HyeRan Kim, Jetty S.S. Ammiraju, Kristi Collura, Arvind K. Bharti, Joachim Messing, Rod A.Wing, Phillip SanMiguel, Jeffrey L. Bennetzen and Carol Soderlund, 2008, Methylation-sensitive linking libraries enhance gene-enriched sequencing of complex genomes and map DNA methylation domains. BMC Genomics 9: 621

15) Peter J. Maughan, Nicholas Sisneros, Meizhong Luo, Dave Kudrna, Jetty S. S. Ammiraju, and Rod A. Wing, 2008, Construction of an Amaranthus hypochondriacus Bacterial Artificial Chromosome Library and Genomic Sequencing of Herbicide Target Genes. Plant Genome (A Supplement to Crop Science) 1: S85-S94.

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Soderlund, Matty Knight, Fred A Lewis, Roberta Lima Caldeira, Liana K Jannotti-Passos, Omar dos Santos Carvalho, Eric S Loker, 2006, A BAC library for Biomphalaria glabrata, intermediate snail host of Schistosoma mansoni. Mem Inst Oswaldo Cruz, Rio de Janeiro, Vol. 101(Suppl. I): 167-177.

21) Meizhong Luo (Corresponding Author), HyeRan Kim, Dave Kudrna, Nicholas B. Sisneros, So-Jeong Lee, Christopher Mueller, Kristi Collura, Andrea Zuccolo, E. Bryan Buckingham, Suzanne M. Grim, Kazuyo Yanagiya, Hidetoshi Inoko, Takashi Shiina, Martin F. Flajnik, Rod A. Wing and Yuko Ohta, 2006, Construction of a nurse shark (Ginglymostoma cirratum) bacterial artificial chromosome (BAC) library and a preliminary genome survey. BMC Genomics 7:106.

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expression of a dihydrofolate reductase-thymidylate synthase gene from Daucus carota. Eur J Histochem 49 (2):107-115.

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David L. Freedman, 2004, Involvement of Linear Plasmids in Aerobic Biodegradation of Vinyl Chloride. Appl Environ Microbiol. 70 (10): 6092-6097.

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Additional Information