Ph.D. in Maize Genetics
University of Missouri
Division of Plant Sciences (DPS) and
The Interdisciplinary Plant Group (IPG)

MU-Pioneer Fellowship
$25,000 per year for up to 5 years, tuition covered

Receive Training and Experience in:
Molecular Genetics / Epigenetics
Cytogenetics / Cell Biology
Quantitative and Population Genetics
Statistics and Experimental Design
Abiotic Stress Physiology (e.g. Drought)
Biotic Stress (Plant Pathology and Entomology)
Crop Evolution / Molecular Systematics
Applied Genomics Technologies
Transgene Biology / Cell Culture

Maize Genetics Faculty:
Jim Birchler, Div. Biological Sciences – Maize Cytogenetics, Epigenetics, Engineered Minichromosomes
David Braun, Div. Biological Sciences - Genetics of Carbohydrate Partitioning in Maize
Georgia Davis, Div. Plant Sciences – Maize Functional Genomics
Sherry Flint-Garcia, USDA-ARS, Div. Plant Sciences – Diverse Maize Genetics, Genomics, and Breeding
Felix Fritschi, Div. Plant Sciences – Plant Responses to Abiotic Stress
Bruce Hibbard, USDA-ARS, Div. Plant Sciences – Host Plant Resistance to Corn Root Worm
Toni Kazic, Dept. Computer Science – Computational Biology and Bio-informatics
Mike McMullen, USDA-ARS, Div. Plant Sciences – Molecular and Functional Diversity of Maize
Paula McSteen, Div. Biological Sciences – Genetics of Maize Inflorescence Development
Kathy Newton, Div. Biological Sciences – Maize Organelle-Nuclear Interactions, Heterosis
Mel Oliver, USDA-ARS, Div. Plant Sciences – Maize Dehydration and Desiccation Tolerance
Mary Schaeffer, USDA-ARS, Div. Plant Sciences – Maize Genetics and Genomics Database
Bob Sharp, Div. Plant Sciences – Physiology of Root Growth Under Drought
Zhanyuan Zhang, Div. Plant Sciences – Plant Transformation

For more information: www.plantsci.missouri.edu (DPS) and www.plantgroup.org (IPG)
Apply at: www.plantsci.missouri.edu/graduate/admissions.htm