

Robin Buell

Michigan State University Foundation Professor of Plant Biology at Michigan State University
East Lansing, MI, US

Expert in plant genomics, specifically the mint family and potato genomes, and genetically engineered crops

Description

Dr. C. Robin Buell joined the Department of Plant Biology of Michigan State University in October 2007 after spending 9 years at The Institute for Genomic Research. Her research program focuses on the genome biology of plants and plant pathogens, including comparative genomics, bioinformatics, and computational biology. She has worked on the genomes of Arabidopsis, rice, potato, maize, switchgrass, sweetpotato, mints, and medicinal plants. With expertise in bioinformatics, one component of Dr. Buell's research is provision of databases and web-based data-mining tools for the greater scientific community. Dr. Buell maintains the Rice Genome Annotation Project, which receives over 2 million page visits a year. Dr. Buell earned her BSc from the University of Maryland, her MSc from Washington State University, and her PhD from Utah State University. Dr. Buell has an active research group composed of postdoctoral research fellows, research assistants, graduate students, undergraduate students and high school interns and collaborates with scientists across the United States and throughout the world. She has served as an editor at Plant Physiology, the Plant Genome, Crop Science, Frontiers in Plant Genetics and Genomics, and Plant Cell. She 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. At MSU, she is a member of the Plant Breeding, Genetics, and Biotechnology Graduate Program, the Genetics Graduate Program, the Plant Resilience Institute, and MSU AgBioResearch.

Industry Expertise

Research, Education/Learning, Agriculture and Farming, Food Production

Topics

Computational Biology, Comparative Genomics, Bioinformatics

Affiliations

Plant Breeding, Genetics, and Biotechnology Graduate Program : Member, Genetics Graduate Program : Member, Plant Resilience Institute : Member, MSU AgBioResearch : Member

Education

Utah State University
Ph.D. Biology/Molecular Biology

Washington State University
M.S. Plant Pathology

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