

MATTHEW E. HUDSON

Assistant Professor of Genomics
Department of Crop Sciences
University of Illinois

Department of Crop Sciences
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Research responsibilities and goals

My research effort aims to combine bioinformatics with genetic and genomic techniques to solve problems in genomics and transcriptional networks. The focus of the laboratory is on the light-regulated signaling networks of plants, and on using microarrays on applied problems in crop genetics. Together with collaborators we are interested in bioinformatics, mechanism and evolution of transcriptional networks, DNA binding proteins and regulatory DNA sequence.

Professional experience

Assistant Professor	University of Illinois	2004 –
Bioinformatics Scientist	Diversa corporation, San Diego	2003 to 2004
Bioinformatics Specialist	Torrey Mesa Research Institute	2002 to 2003
University of California, Berkeley (UC Berkeley postdoctoral fellow)	Plant Biology	1998 to 2002

Education

University of Leicester	Biology	Ph.D., 1998
University of Cambridge	Natural Sciences	B.A, first class, 1994 (M.A. 1997)

Other awards, etc

NCSA faculty fellowship	NCSA, Urbana	2005
NERC studentship	University of Leicester	1994 to 1997
College scholarship	Fitzwilliam college, Cambridge	1993-1994
Isaac Newton Trust bursary	Trinity college, Cambridge	1991-1994

Editorial and Review Activities

1997- present *ad hoc* reviewer for Plant Cell, Plant Physiology, Plant Journal, Plant Cell & Environment, Heredity

2004 - present member, American Society for Plant Biology, International Society for Computational Biology, American Society of Agronomy, Crop Science Society of America.

2000 - present reviewer, USDA National Research Initiative

Teaching

Genetic Engineering Lab class, University Of Illinois
Perl and Unix programming for Biologists, University of Illinois