

NATASHA TEUTSCH HAUSMANN

CURRICULUM VITA

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EDUCATION

University of California, Berkeley, PhD Department of Integrative Biology	2002-2008
Wellesley College, BA, <i>summa cum laude</i>, <i>Phi Beta Kappa</i> Major in Biological Sciences, (departmental honors), Minor in Sociology.	1998-2002

SUMMARY OF QUALIFICATIONS

- Effective oral and written communicator to a variety of audiences including scientists and non-specialists
- Grant-writing success in raising over \$200,000 in grant and fellowship funds
- Seven years independent practice of standard lab techniques in molecular biology
- Significant experience with multivariate statistics and experimental design using R.
- Proven ability to design and execute complex field and greenhouse studies in ecology and plant physiology
- Effective teacher and mentor of undergraduate and graduate students
- Fluent in Spanish and English

RESEARCH EXPERIENCE

Post doctoral scholar, Jackson agroecology lab, UC Davis Oversaw and executed field and greenhouse experiments testing the genomic responses of tomatoes to nutrient patches in agricultural soils	2008 - present
Doctoral dissertation research, UC Berkeley <i>Dissertation title:</i> On the ecological determinants of arbuscular mycorrhizal community composition in California grasslands <i>Advisors:</i> Dr. Todd Dawson and Dr. Tom Bruns	2002-2008
Graduate Student Researcher assistant, UC Berkeley. Assisted with community ecology, hydrology, and ecophysiology projects in California alpine, redwood, coastal grassland and agricultural ecosystems.	2002, 2003
Undergraduate honors thesis, Wellesley College Conducted gene knockout study in dimorphic yeast	2001-2002
Undergraduate research assistant, Marine Biological Laboratory, Alaska. Assisted with ¹⁴ C isotope labeling experiment on carbon cycling in Arctic tundra	2001

SELECTED HONORS, FELLOWSHIPS, AND GRANTS

Wellesley College Horton-Hallowell Fellow	2007-2008
<i>Phi Beta Kappa</i> Northern California chapter dissertation fellowship	2007
Ecological Society of America Microbial Ecology Award for best poster presentation	2007
National Science Foundation Doctoral Dissertation Improvement Grant	2005-2007
Kearney Foundation Fellow	2003, 2005
Dolores Zohrab Liebmann Fellow	2004-2006
The Nature Conservancy's Oren Pollack Grassland Research Grant	2003-2004
University of California Berkeley Outstanding Graduate Student Instructor	2004
The Lucy Branch Allen Prize awarded to an outstanding scholar of natural history, Wellesley College, Department of Biological Sciences	2002
Barbara Barnes Hauptfuhrer Scholar Athlete awarded to that Wellesley College senior who best combines excellence in scholarship, leadership, sports	2002
Elected member of <i>Sigma Xi</i>	2002
Elected member of <i>Phi Beta Kappa</i> as a college junior	2001

TEACHING EXPERIENCE

Graduate Student Instructor at UC Berkeley	
IB 151L, Plant Physiological Ecology Laboratory	2005
Bio1B, Introduction to Organismal Biology	2002-2003
Consultant for UC Berkeley Graduate Student Teaching & Resource Center	2005-2008
Lead workshops, facilitated panel discussions, designed interactive education programs, and contributed writing to the center's handbook	
Bio 1B educational consultant, UC Berkeley.	2003
Redesigned <i>Introduction to Biology lab manual</i> used by over 1000 students annually	

SERVICE AND MENTORSHIP

Graduate student representative, UC Berkeley	2006
Served on the search committee for hire a new professor of ecology	
Mentor for graduate and undergraduate students	2004-2008
• Supervised independent ecology experiments of three undergraduates	
• Assisted five graduate students to develop research questions and experiments, to analyze data, and to write grants and manuscripts	
Volunteer for Scientists in the Classroom	2005
Taught first graders across Alameda County about plant science.	
Reviewed manuscripts for	
Journal of Austral Ecology, Applied Vegetation Science, and Oecologia	

PUBLISHED ABSTRACTS

- Contributed talk at the Ecological Society of America, San Jose, CA** 2007
N. T. Hausmann and C. V. Hawkes. Plant community composition and phenology alter arbuscular mycorrhizal networks.
Awarded best student poster presentation in Microbial Ecology
- Contributed talk at the Ecological Society of America, Memphis TN** 2006
N. T. Hausmann, T. Dawson, T. Bruns. Can low levels of root colonization support a viable arbuscular mycorrhizal community? Evidence from a California grassland.
- Contributed poster at the Arctic Systems Science All-Hands Workshop, Seattle, WA** 2002
N. M. Teutsch, M. Sommerkorn, G. Shaver, K. Nadelhoffer. 2002. Long-term fertilization alters aboveground production and species composition in Alaskan tundra.

MANUSCRIPTS IN REVIEW AND IN PREP

- Hausmann, N. T. and C. V. Hawkes. Top-down effects of plants on soil fungi: timing of plant host establishment alters the composition of arbuscular mycorrhizal communities. *In review* at Ecology Letters
- Hausmann, N. T. and C. V. Hawkes. Plant neighbors alter arbuscular mycorrhizal community assembly in native and exotic plant hosts. *In review* at New Phytologist.
- Hausmann, N. T., and J. Corbin. Arbuscular mycorrhizal fungal community assembly rules in native, exotic and mixed grasslands in California. Target journal: Journal of Ecology
- Hausmann, N. T., T. E. Dawson, and T. Bruns. Testing the feedback paradigm: negative effects of arbuscular mycorrhizal fungi on an invasive grass, *Lolium multiflorum*. Target journal: Plant and Soil.
- Hausmann, N. T., T. E. Dawson, and T. Bruns. Plant community composition alters the arbuscular mycorrhizal community composition on an invasive plant host. Target journal: New Phytologist

REFERNECES

Dr. Todd Dawson (co-advisor)
 Department of Integrative Biology
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Dr. Christine Hawkes (collaborator)
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Dr. Tom Bruns (co-advisor)
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Dr. Wayne Sousa (dissertation committee member)
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