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INSTITUTIONAL ADDRESS

Michigan State University
Department of Plant Biology
166 Plant Biology Building
East Lansing, MI 48824

MAILING ADDRESS

USDA Forest Service – Savannah River
P.O. Box 700
New Ellenton, SC 29809
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PROFESSIONAL PREPARATION

- 2011-present Postdoctoral Research Associate, Michigan State University
Project: Longleaf pine savanna restoration and expansion
Advisor: Lars Brudvig
- 2010-2011 Postdoctoral Research Associate, Washington University in St. Louis
Project: Longleaf pine savanna restoration and expansion
Advisor: John Orrock
- 2005-2011 Ph.D., University of Wisconsin – Madison
Dissertation title: Global environmental change and interactions between
mammals and plants
Advisor: Rick Lindroth
- 2001-2005 B.S. *summa cum laude*, University of New Hampshire
Thesis: Maternal moose summer home range and habitat use in
New England and southeastern Norway
Thesis Advisor: Peter Pekins

FORMAL PEDAGOGICAL TRAINING

- 2009 *Teaching Large Classes*
The DELTA Program
University of Wisconsin – Madison
- 2009 *Informal Science Education for Scientists*
The DELTA Program
University of Wisconsin – Madison
- 2007 *The College Classroom*
The DELTA Program
University of Wisconsin – Madison

TEACHING EXPERIENCE

- 2009 Guest Lecturer: Forum on the Environment
Food systems and security under climate change
Department of Soil Science
University of Wisconsin – Madison
- 2007 Guest Lecturer: Physiological Animal Ecology
Xenobiotics: chemical defense against predation
Department of Soil Science
University of Wisconsin – Madison
- 2005-2007
(6 semesters) Teaching Assistant: Introductory Biology I & II
Lab and Discussion sections
Department of Zoology
University of Wisconsin – Madison
- 2003 Teaching Assistant: Field Dendrology
Department of Natural Resources
University of New Hampshire

UNDERGRADUATE MENTORING EXPERIENCE

- 2010 Jennifer Ipsen
Directed Studies in Zoology (credit)
University of Wisconsin-Madison
- 2010 Hannah Bindert
Directed Studies in Zoology (credit)
University of Wisconsin-Madison
- 2009 Kate Glanville
Integrated Biological Sciences, Summer Research Program
Kansas State University
- 2009 Robert Hanson
Undergraduate Research Scholars Program
University of Wisconsin-Madison
- 2007 Viviana Loaiza
Integrated Biological Sciences, Summer Research Program
Instituto Tecnológico de Costa Rica
- 2007 Devin Edmonds
Directed Studies in Zoology (credit)
University of Wisconsin-Madison
- 2007 David Bayer
Independent Project Experience
Department of Zoology
University of Wisconsin-Madison
- 2006 Madeleine George
Undergraduate Research Scholars Program
University of Wisconsin-Madison
- 2006 Devin Franke

2006 Directed Studies in Zoology (credit)
University of Wisconsin-Madison
Katherine Welch
Directed Studies in Zoology (credit)
University of Wisconsin-Madison

FELLOWSHIPS

2008-2011 Global Change Education Program – Graduate Research Environmental
Fellowship (GCEP-GREF)
U.S. Department of Energy (\$43,200 annually)
2005-2008 Science to Achieve Results Fellowship (STAR)
U.S. Environmental Protection Agency (\$37,000 annually)

GRANTS

2011-2016 The restoration of longleaf pine fire savanna fragments and their use as
source populations: A proposal to integrate science, landscape restoration
and diversity goals. Co-PI (with Lars A. Brudvig)
USDA Forest Service. (\$519,034)
2009 Grants-in-Aid. American Society of Mammalogists (\$1000)
2008 Travel Grant. University of Wisconsin – Madison (\$400)
2007 Carl. A. Bund Scholarship. University of Wisconsin – Madison (\$1750)
2006 Summer Research Scholarship. University of Wisconsin – Madison (\$677)
2005 New England Outdoor Writers Scholarship.
New England Outdoor Writers Association (\$1500)
2003 International Research Opportunities Program Scholarship
University of New Hampshire (\$5000)
2003 Summer Undergraduate Research Fellowship
University of New Hampshire (\$3500)
2002 Undergraduate Research Opportunities Program Scholarship
University of New Hampshire (\$1000)
2002 & 2003 Ruth E. Farrington Endowed Scholarship
University of New Hampshire (\$2000)

AWARDS

2011 Elmer C. Birney Honoraria (\$1000)
American Society of Mammalogists
2005 Outstanding Wildlife Student Award
Department of Natural Resources
University of New Hampshire
2005 P.F. English Memorial Award: Outstanding Undergraduate Wildlife
Student
Northeast Section, The Wildlife Society

PUBLICATIONS

- Habeck, C.W.**, and T.D. Meehan. 2008. Mass invariance of population nitrogen flux by terrestrial mammalian herbivores: an extension of the elemental equivalence rule. *Ecology Letters* 11: 898-903.
- Scarpitti, D.L., **C.W. Habeck**, A.R. Musante, and P.J. Pekins. 2005. Integrating habitat use and population dynamics to assess the status of moose in Northern New Hampshire. *Alces* 41: 25-35

MANUSCRIPTS IN PREPARATION

- Habeck, C.W.**, L.A. Brudvig, and J.L. Orrock. Strong legacy of agricultural land-use on soils, forest structure, and understory plant communities in longleaf pine woodlands.
- Habeck, C.W.**, and R.L. Lindroth. Elevated atmospheric CO₂ and tropospheric O₃ and the performance of a mammalian herbivore, *Microtus ochrogaster*.
- Habeck, C.W.**, J. Couture, and R.L. Lindroth. Compensatory mechanisms of gypsy moth larvae to variation in food nutrient and toxin concentration: an integrated response.

PRESENTATIONS

- Habeck, C.W.** 2011. Tails from north to south: small mammals in a changing landscape. *Invited Seminar*. Savanna River Ecological Laboratory. University of Georgia. New Ellenton, SC
- Habeck, C.W.**, and L.A. Brudvig, J.A. Ledvina, and J.L. Orrock. 2011. Controls over understory species richness and composition within degraded remnants of longleaf pine woodland. Ecological Society of America Conference. Austin, TX
- Brudvig, L.A., **C.W. Habeck**, and J. Ledvina. 2011. Patterns and controls over biodiversity spillover around remnant longleaf pine woodland patches. Ecological Society of America Conference. Austin, TX
- Habeck, C.W.** 2011. Global atmospheric change and interactions between small herbivorous animals and plants. American Society of Mammalogists Conference. Portland, OR.
- Habeck, C.W.** 2011. Global atmospheric change and plant-mammal interactions: the role of plant chemistry. *Invited seminar*. Department of Biological Sciences. Old Dominion University.
- Habeck, C.W.**, and R.L. Lindroth. 2010. Mammalian herbivore response to CO₂- and O₃-mediated changes in plant chemistry. Gordon Research Conference: Plant-herbivore interactions. Galveston, TX.
- Habeck, C.W.**, and R.L. Lindroth. 2009. Nutrient availability and enriched CO₂ indirectly affect mammalian herbivores via changes in plant chemistry. Ecological Society of America Conference. Albuquerque, NM.
- Habeck, C.W.**, and T.D. Meehan. 2008. Mass invariance of population nitrogen flux by terrestrial mammalian herbivores. Ecological Society of America Conference. Milwaukee, WI
- Loaiza, V., **C.W. Habeck**, and R.L. Lindroth. 2008. Chemical changes in plants grown under enriched CO₂ and O₃ influence prairie vole (*Microtus ochrogaster*) growth. Ecological

- Society of America Conference. Milwaukee, WI
- Habeck, C.W.** 2007. Global change and plant-mammal interactions: what should we expect? *Invited Seminar*. Environmental Sciences Division, Oak Ridge National Laboratory. Oak Ridge, TN.
- Habeck, C.W.** 2006. Global environmental change, plant quality, and mammalian herbivores. Environmental Protection Agency Graduate Fellowship Conference. Washington, D.C.
- Habeck, C.W.** 2004. Microhabitat analysis of maternal moose neonatal areas in northern New Hampshire. University of New Hampshire, College of Life Sciences and Agriculture Undergraduate Research Conference. Durham, NH.
- Habeck, C.W.** 2003. Home range and habitat use of maternal moose in northern New Hampshire. University of New Hampshire, College of Life Sciences and Agriculture Undergraduate Research Conference. Durham, NH.

SERVICE

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| 2004-2005 | Northeast Section Representative
Student Affairs Committee
The Wildlife Society |
| 2004-2005 | Student Representative
Northeast Section Committee
The Wildlife Society |
| 2003-2005 | President, Student Chapter of The Wildlife Society
University of New Hampshire |
| 2002 | Vice President, Student Chapter of The Wildlife Society
University of New Hampshire |

Journal Referee: Ecology, Environmental Pollution, Journal of Applied Ecology, Natural Sciences (Naturwissenschaften), Southeastern Naturalist

Professional Affiliations: American Society of Mammalogists, Ecological Society of America, Society for Conservation Biology, The Wildlife Society