

ALISON PAIGE APPLING

Postdoctoral Associate, Duke University
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Education

Ph.D. Ecology, 2012. Duke University, Durham, NC.

Connectivity Drives Function: Carbon and Nitrogen Dynamics in a Floodplain-Aquifer Ecosystem.

Advisors: E. S. Bernhardt and R. B. Jackson

B.S. Symbolic Systems, 2004. Stanford University, Stanford, CA.

Supplemental Courses:

2010 Writing Science Policy Briefs. Nicholas Institute, Duke University

2009 Stable Isotopes in Ecology, University of Utah

2007 Data Assimilation for the Carbon Cycle, National Center for Atmospheric Research

Appointments

2012-present Postdoctoral Associate, Duke University Mentor: J. B. Heffernan

2009-2012 Ph.D. Candidate, Duke University

2012 Teaching Assistant, *General Microbiology*, Biology, Duke University

2007 Teaching Assistant, *Organismal Diversity*, Biology, Duke University

2006 Docent, Jasper Ridge Biological Preserve

2004-2006 Research Technician, Jasper Ridge Global Change Experiment, Stanford University & Carnegie Institution of Washington, PI: Christopher B. Field

2002 Teaching Assistant, *Discrete Mathematics*, Computer Science, Stanford University

2001-2003 Teaching Assistant, *Programming Paradigms*, Computer Science, Stanford University

Awards and Fellowships

2011 Oral Presentation Award, Society for Freshwater Science: Runner-up in Basic Research

2008-2011 EPA Science to Achieve Results (STAR) Fellowship (\$111,000)

2008-2009 Preparing Future Faculty Fellow

2008 Honorable Mention, NSF Graduate Research Fellowship Program

2008 Campus Grant, Kenan Institute for Ethics (\$210) (with Jennifer Morse)

2006-2010 James B. Duke Fellow (\$18,000)

2002 Honorable Mention for PAC-10 All-Academic Honors, Rowing

2000 President's Award for Academic Excellence, Stanford University

Presentations

A. P. Appling. "Connectivity Drives Function: Carbon and Nitrogen Dynamics in a Floodplain-Aquifer Ecosystem." Duke University Program in Ecology seminar series, February 2012.

A. P. Appling, E. S. Bernhardt, and J. A. Stanford. "Patterns and drivers of nitrogen accumulation in floodplain soils." Oral presentation at the ESA annual meeting, August 2011.

- A. P. Appling, E. S. Bernhardt, and J. A. Stanford. "Patterns and drivers of nitrogen accumulation in floodplain soils." Oral presentation at the Society for Freshwater Science (SFS; formerly NABS) annual meeting, May 2011.
- A. P. Appling. "Nitrogen in Succession on the Nyack Floodplain." Invited oral presentation to the Flathead Lake Biological Station, University of Montana, August 2010.
- A. P. Appling, E. S. Bernhardt, and J. A. Stanford. "Vegetation and Depth Predict Denitrification in a Coarse-Substrate Floodplain." Oral presentation at the NABS/ASLO Joint Meeting, June 2010.
- A. P. Appling, G. C. Poole, E. S. Bernhardt, J. S. Kimball, and J. A. Stanford. "Carbon Budget of an Alluvial Floodplain in Northwest Montana, USA." Poster presentation at AGU Fall Meeting, December 2009.
- A. P. Appling, E. S. Bernhardt, and J. A. Stanford. "Denitrification Dynamics in a Floodplain Mosaic." Poster presentation at Advancing the Science of Limnology and Oceanography (ASLO) Aquatic Sciences Meeting, January 2009.
- A.P. Appling, E.S. Bernhardt, J.S. Kimball, G.G. Katul, G.C. Poole, and J.A. Stanford. "Digging deep? Belowground water and nutrient transport in floodplain forests." Poster presentation at American Geophysical Union (AGU) Fall Meeting, December 2008.
- A.P. Appling, E.S. Bernhardt, G.C. Poole, J.S. Kimball, and J.A. Stanford. "Linking surface and subsurface biogeochemistry in floodplain ecosystems." Poster presentation at North American Benthological Society (NABS) Meeting, June 2007.

Service

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| 2011-2012 | Representative: Green Labs Committee, Duke University |
| 2008 | Op-ed coauthor: "Don't bet the farm on corn-based fuels," Herald Sun 5/16/08 |
| 2008 | Workshop organizer: "Practical Ethics for Biologists," Duke University |
| 2007 | Mentor, NSF Research Experience for Undergraduates, Polson, MT |
| 2007 | Mentor, Women and Math Mentoring Program, Durham, NC |
| 2006 | Docent, Jasper Ridge Biological Preserve, Portola Valley, CA |

Collaborators, last 5 years

A.M. Helton, (Duke U.), G.C. Poole (Montana State U., Bozeman), J.A. Stanford (U. of Montana, Missoula), J.S. Kimball (U. of Montana, Missoula), G.G. Katul (Duke), M.A. Ardon (Duke), J.L. Morse (Duke), E.R. Thorsos (Duke), R.P. Phillips (Duke), J.H. Kim (Duke)