

NATHAN I. WISNOSKI

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EDUCATION

Indiana University, Bloomington Ph.D in Biology – Evolution, Ecology, and Behavior Minor in Environmental Sciences, School of Public and Environmental Affairs	2014 – Present
The University of Texas at Austin B.S. in Biology – Ecology, Evolution, and Behavior Minor in Business, McCombs School of Business	2009 – 2013

RESEARCH EXPERIENCE

Ph.D. Candidate Indiana University Lennon Lab: Microbial Ecology and Evolution	August 2014 – Present <i>Bloomington, IN</i>
Field/Lab Technician University of Texas Hawkes Lab: Microbial Ecology and Biogeochemistry	Spring 2014 <i>Austin, TX</i>
Undergraduate Researcher University of Texas Leibold Lab: Community and Evolutionary Ecology	June 2012 – February 2014 <i>Austin, TX</i>

GRANTS

NSF LTER Network Communications Office (NCEAS). *A synthesis to identify how metacommunity dynamics mediate community responses to disturbance across the ecosystems represented in the LTER network.* PI: Sokol ER, co-PIs: Swan CM, **Wisnoski NI**. \$76,000. 2016–2018.

IU Sustainability Research Development Grant. *How does hydrological flow rate alter bioremediation of pesticides at the surface- groundwater interface?.* PI: **Wisnoski NI**. \$5400. 2015.

FELLOWSHIPS AND AWARDS

Travel Award, Association for the Sciences of Limnology and Oceanography. \$606	2018
Travel Award, ESA Microbial Ecology Section. \$600	2017
George W. Brackenridge Fellowship, IU Biology. \$2000	2016
Travel Award, International Society for Microbial Ecology. €300	2016
Travel Award, Honorable Mention, ESA Microbial Ecology Section. \$150	2016
Departmental Research Recruitment Fellowship, IU Biology.	2014

MANUSCRIPTS

Wisnoski, N.I., M.A. Leibold, and J.T. Lennon. In review. *Dormancy in metacommunities*. <https://doi.org/10.17605/OSF.IO/UJMZC>

In preparation:

Wisnoski, N.I. and J.T. Lennon. In preparation. *Habitat-specific community assembly processes in a dendritic metacommunity*.

Wisnoski, N.I., M.E. Muscarella, M.L. Larsen, and J.T. Lennon. In preparation. *Dormancy and dispersal across ecosystem boundaries*.

Wisnoski N.I. and J.T. Lennon. In preparation. *The contribution of “seed banks” to bacterial community dynamics*.

Voelker, N, R. Andrade, M.C.N. Castorani, A. Compagnoni, T. Lamy, N. Lany, S. Record, C.M. Swan, J.D. Tonkin, **N.I. Wisnoski**, P.L. Zarnetske, and E.R. Sokol. In preparation. *Metacommunity ecology as a lens to interpret long-term biodiversity data*.

Lamy T, **N.I. Wisnoski**, R. Andrade, M.C.N. Castorani, A. Compagnoni, N. Lany, L. Marazzi, S. Record, C.M. Swan, J.D. Tonkin, N. Voelker, S. Wang, P.L. Zarnetske, and E.R. Sokol. In preparation. *The dual dimensions of metacommunity stability*.

INVITED TALKS

Wisnoski, N.I. and J.T. Lennon. 2018. *Contribution of “seed banks” to bacterioplankton community dynamics*. Society for Freshwater Science Annual Meeting. Detroit, MI.

CONTRIBUTED TALKS AND POSTERS

Wisnoski, N.I., M.E. Muscarella, and J.T. Lennon. 2018. *Dispersal and dormancy across ecosystem boundaries*. Association for the Sciences of Limnology and Oceanography. Victoria, BC, Canada.

Wisnoski, N.I. and J.T. Lennon. 2017. *Microbial community assembly in dendritic metacommunities*. Ecological Society of America Annual Meeting. Portland, OR.

Sokol, E.R., **N.I. Wisnoski**, C.M. Swan, R. Andrade, H.L. Bateman, A.G. Hope, J. Kominoski, N.K. Lany, L. Marazzi, S.J. Presley, A. Rassweiler, S. Record, M.R. Willig, and P.L. Zarnetske. 2017. *The role of long-term ecological research programs for testing metacommunity theory and understanding biodiversity patterns*. Ecological Society of America Annual Meeting. Portland, OR.

Voelker, N.M., E.R. Sokol, **N.I. Wisnoski**, C.M. Swan, T. Lamy, M.C.N. Castorani, L. Marazzi, A. Compagnoni, J.R. Blanchard, R. Andrade, and N.K. Lany. 2017. *Evaluating the link between metacommunity stability and environmental variability across trophic groups represented at LTER sites*. Ecological Society of America Annual Meeting. Portland, OR.

Wisnoski, N.I. and J.T. Lennon. 2016. *Community assembly processes differ between surface water and sediment-associated communities in stream networks*. Ecological Society of America Annual Meeting. Fort Lauderdale, FL.

Wisnoski, N.I. and J.T. Lennon. 2016. *Local and regional processes in stream microbial community assembly (poster)*. International Symposium on Microbial Ecology (ISME 16). Montreal, QC.

Wisnoski, N.I., A.S. Ward, and J.T. Lennon. 2015. *Bacterial metacommunity structure across a stream network (poster)*. LTER All Scientists Meeting. Estes Park, CO.

TEACHING

Co-Instructor. Quantitative Biodiversity (<https://goo.gl/y4oK7c>). *Indiana University*. Spring 2017.

Associate Instructor. Foundations of Biology: Diversity, Evolution, and Ecology. *Indiana University*. Spring 2016, Fall 2016, Spring 2018.

Associate Instructor. Biology Laboratory. *Indiana University*. Fall 2014, Fall 2017.

Grader. Microbial Ecology. *University of Texas*. Spring 2014.

Teaching Assistant. Biostatistics. *University of Texas*. Spring 2013, Fall 2013.

MENTORSHIP AND SERVICE

Undergraduate STEM Mentor Jan 2015 – Present
Indiana University

Undergraduate Mentees: Luke Pryke, Mollie Carrison

Summer REU Program: Jaylen Beatty, Mary Wallace, SydneyEllen Gooding

High School STEM Mentor Summer 2015 – Present

Jim Holland Summer Scholars Program

High School Mentees: Dakayla Calhoun, Samuel Iwu

High School Riverwatch Sampling Coordinator Summer 2017 – Present

Jim Holland Summer Enrichment Program

Supervised macroinvertebrate sampling activity with high school students to analyze stream quality

EcoLunch Co-Organizer August 2015 – May 2016

Indiana University

Led student research and professional development seminar series

Metacommunity Reading Group Organizer Summer 2015

Indiana University

Organized a graduate reading group on metacommunity ecology

COMPUTATIONAL SKILLS

Scripting python, bash

Analysis R, Mathematica, MATLAB

Productivity L^AT_EX, markdown, git/GitHub, Microsoft Office

PROFESSIONAL SOCIETY MEMBERSHIP

Ecological Society of America

International Society for Microbial Ecology

Association for the Sciences of Limnology and Oceanography

Society for Freshwater Sciences