Sam C. Levin

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Martin Luther University Halle-Wittenberg	
PhD Biology	2018-Present
Martin Luther University Halle-Wittenberg	
MSc Biology	2016-2017
Wake Forest University	
BA Biology	2008-2012
Work Experience	
Martin Luther University Halle-Wittenberg	
Research Officer	2018-Present
Helmholtz-Zentrum für Umweltforschung	
Student Research Assistant	2017
German Centre for Integrative Biodiversity	
Student Research Assistant	2016 - 2018
University of Missouri-St. Louis	
Field Research Technician	2015 - 2016
Washington University in St. Louis	
Field Research Technician	2014 - 2015
Student Conservation Association	

Research Interests

National Park Service Southeast EPMT Intern

Demography: what is the relative importance of life history, abiotic, and biotic factors in determining species success

Invasions: understanding how demography, phylogeny, and functional traits interact to determine who becomes invasive and who remains benign

Open-source Software: creating tools for researchers to efficiently analyze, publish, and share their data

Sam C. Levin - CV

2013 - 2014

Publications

Journal Articles

Carl G, Levin SC, Kühn I. (2018) spind: an R Package to Account for Spatial Autocorrelation in the Analysis of Lattice Data. Biodiversity Data Journal. 6: e20760. DOI: https://doi.org/10.3897/BDJ.6.e20760

Presentations

* denotes mentee; # denotes poster presentations, otherwise oral

2018

Levin SC, RM Crandall, TC Pokoski, Stein C, Knight TM. Mechanisms underlying the differential success of alien plant species. Ecological Society of America – New Orleans, USA

2016

Levin SC, Stein C, Knight TM. Phylogenetic novelty alters the strength of biotic interactions for exotic plant species. NeoBiota 2016 – Vianden, Luxembourg

Levin SC, Stein C, Knight TM. Phylogenetic novelty alters the strength of biotic interactions for exotic plant species. iDiv Conference – Leipzig, Germany

2015

Poor E*,Thompson AH*, **Levin SC**, Knight TM. Novel functional traits aid the success of the invasive biennial Carduus nutans. Washington University in St. Louis Undergraduate Research Symposium – St. Louis, MO **

Workman M*, Thompson AH*, **Levin SC**, Knight TM. Competitive release may increase the fitness of exotic plants in their novel range. Washington University in St. Louis Undergraduate Research Symposium – St. Louis, MO **

2014

Patterson A*, Galluppi CG, Levin SC, Maynard EE, Knight TM. How plant species become common: examining the success strategies of native and invasive plants. Washington University in St. Louis Undergraduate Research Symposium – St. Louis, MO **

Van Horn T*, Galluppi CG, **Levin SC**, Knight TM. Examining the enemy release hypothesis in Ozark woody species. Washington University in St. Louis Undergraduate Research Symposium – St. Louis, MO #

Software

Maintainer (current) and developer (> v2.o.o) of spind. CRAN and Github

Contributed to development of popler, popdemo, Rcompadre, and Rage.

Languages

Fluent in English and *R*, proficient with Stan, Git, and C++, and familiar with Python and German.

Mentoring

Tyler Pokoski University of Iowa 2017

Tom Collins Missouri S&T 2017

Amy Patterson Washington University in St. Louis 2015

Amibeth Thompson Illinois College 2014

Sami Hunkler University of California, Berkeley 2017

Thomas Van Horn Washington University in St. Louis 2018

Sarah Link Eureka High School 2015

Brenda Alvarado Francis Howell North 2015

Matilda Workman Kirkwood High School 2017

Elizabeth Poor Clayton High School 2017

Service

Reviewer for BMC Ecology

Referees

Dr. Tiffany Knight

Martin Luther University, Helmholtz-Zentrum fuer Umweltforschung, German Centre for Integrative Biodiversity

tiffany.knight@idiv.de

Dr. Roberto Salguero-Gomez

Oxford University Department of Zoology

rob.salguero@zoo.ox.ac.uk

Sam C. Levin - CV 3/3