## $\underset{450\ N}{Matthew}\ J.\ \underset{Apt.\ 3S\ -\ Oak\ Park,\ IL\ 60302}{Michalska-Smith}$

Education	
University of Chicago, Chicago, IL Ph.D., Ecology & Evolution	Since 2013
Adviser: Stefano Allesina	
University of Notre Dame, Notre Dame, IN B.S., Biological Sciences and Theology	2008-12
Work Experience	
Research	
Laboratory Technician U. Chicago, Dept. Ecology & Evolution, Allesina Lab	2012–13
- Theoretical ecology with an emphasis on networks	
Undergraduate Researcher U. Notre Dame, Dept. Biological Sciences, Ridenhour Lab	2011-12
- Ecology and evolution of infectious disease - Independent research topic: Influenza dynamics at Notre Dame	
Practicum in Field Environmental Biology U. Notre Dame, PI: Ashley Baldridge, PhD Candidate, Lodge Lab	Summer 2010
- Modules on Herpetology, Ornithology/Mammalogy, Entomology, Aquatic- and - Independent research topic: Intraspecific shelter competition among crayfish	Forest Ecology
Teaching.	
Teaching Assistant U. Chicago, Biological Sciences Division - Theoretical Ecology (Winter 2017) - Biodiversity (Spring 2016) - Introduction to Scientific Computing (Winter 2014, 2016) - Ecology & Evolution (Winter 2015)	2014-2017
- BSD-QBIO: Quantitative Biology Workshop (Summer 2015, 2016)	
Undergraduate Teaching Assistant U. Notre Dame, Dept. Biological Sciences	Spring 2012
- Mammalogy Laboratory course with focus on specimen identification and anat Single/Group Tutor	omy
U. Notre Dame, Academic Services for Student Athletes	2008-11
- Tutored Notre Dame students in Calculus through basic multivariate	
Publications & Presentations	
Publications	effect of intra- and interspecific

competition on coexistence in multispecies communities. The American Naturalist, 188(1):E1–E12, 2016.

Smith, Matthew J., Elizabeth Sander, Győrgy Barabás, and Stefano Allesina. Stability and feedback levels in food web models. Ecology Letters, 18(6):593–595, 2015.

Smith, Matthew J., Cody Weinberger, Emilio M. Bruna, and Stefano Allesina. The scientific impact of nations: Journal placement and citation performance. PLOS ONE, 9(10):e109195, 2014.

Phillip P. A. Staniczenko, Smith, Matthew J., and Stefano Allesina. Selecting food web models using normalized maximum likelihood. Methods in Ecology and Evolution, 5(6):551–562, 2014.

Kimbra G. Turner, Smith, Matthew J., and Benjamin J. Ridenhour. Whirling disease dynamics: An analysis of intervention strategies. Preventive Veterinary Medicine, 113(4):457–468, 2014.

Stefano Allesina, Elizabeth Sander, Smith, Matthew J., and Si Tang. Superelliptical laws for complex networks. arXiv preprint arXiv:1309.7275, 2013.

Posters & Presentations.

Ecological Society of America Annual Meetings: Species Interactions Session

Ft. Lauderdale, FL USA

9 August 2016

- Presentation: Identifying unique species roles by characterizing differences in ecological network structure Dissertation Proposal Hearing

Chicago, IL USA

- Presentation: Structure and Stability

Ecological Society of America Annual Meeting: Theoretical Ecology Session

Baltimore, MD USA

12 August 2015

27 August 2015

- Presentation: Looking locally to see globally

ACS International Center Webinar Series

http://www.acs.org/content/acs/en/qlobal/international-center.html

25 February 2015

- Webinar: Global Scientific Collaboration: Key to Scientific Success

ICTP-SAIFR School on Pathogen Dynamics, Climate and Global Change

IFT-UNESP, São Paulo, Brazil

21 January 2015

- Presentation: The Scientific Impact of Nations: Journal Placement and Citation Performance

Undergraduate Scholars Conference, College of Science Joint Annual Meeting

Notre Dame, IN USA

4 May 2012

- Poster: Modeling Seasonal Influenza in Indiana with an Age-Stratified SEIR Model

## Honors & Awards

2015-2018: Department of Education Graduate Assistance in Areas of National Need (GAANN) Fellow 2015: NSF Graduate Research Fellowship Program Honorable Mention

## Schools & Meetings

Ecological Society of America Annual Meeting

Fort Lauderdale, FL USA

7-12 August 2016

Ecological Society of America Annual Meeting

Baltimore, MD USA

9-14 August 2015

ICTP-SAIFR School on Pathogen Dynamics, Climate and Global Change

IFT-UNESP, São Paulo, Brazil

12-23 January 2015

Non-adaptive selection: explaining macroscopic laws in ecology and evolution

EPFL CIB, Lausanne, Switzerland

7-11 July 2014

## Peer-Reviewing

- $\circ$  Oikos
- $\circ$  Ecology
- o Environmental Modelling Software
- o Journal of Theoretical Biology
- $\circ \ \mathrm{BioScience}$
- o Environmental Modelling & o PLOS Computational Biology
  - o PLOS ONE

- $\circ\,$  Journal of Forestry Research
- o Scientific Reports
- o Frontiers in Genetics
- o Scientometrics