

## JEREMY VAN CLEVE

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### [ EDUCATION

Ph.D.	Stanford University Palo Alto, CA	Department of Biological Sciences Advisor: Professor Marcus W. Feldman	2009
B.A.	Oberlin College Oberlin, OH	Majors in Mathematics and Biology	2003

### [ PROFESSIONAL EXPERIENCE

National Evolutionary Synthesis Center Duke University   UNC   NC State Durham, NC	NESCent Postdoctoral Fellow	2013–present
Santa Fe Institute Santa Fe, NM	SFI Omidyar Fellow	2009–2012
University of Colorado at Boulder Boulder, CO	Professional Research Assistant	2003–2004

### [ PUBLICATIONS

VAN CLEVE, J. & Akçay, E. (2013) Pathways to social evolution: reciprocity, relatedness, and synergy. *arXiv*. <http://arxiv.org/abs/1211.2366>

VAN CLEVE, J. & Lehmann, L. (2013) Stochastic stability and the evolution of coordination in spatially structured populations. *Theoretical Population Biology*, **89**, 75–87. (doi:10.1016/j.tpb.2013.08.006)

Akçay, E. & VAN CLEVE, J. (2012) Behavioral responses in structured populations pave the way to group optimality. *American Naturalist*, **179**, 257–269. (doi:10.1086/663691)

– JOINT FIRST AUTHORSHIP

Brandvain, Y., VAN CLEVE, J., Úbeda, F. & Wilkins, J. F. (2011) Demography, kinship, and the evolving theory of genomic imprinting. *Trends in Genetics*, **27**, 251–257. (doi:10.1016/j.tig.2011.04.005)

– JOINT FIRST AUTHORSHIP

Lieberman, U., VAN CLEVE, J. & Feldman, M. W. (2011) On the evolution of mutation in changing environments: recombination and phenotypic switching. *Genetics*, **187**, 837–851. (doi:10.1534/genetics.110.123620)

VAN CLEVE, J., Feldman, M. W. & Lehmann, L. (2010) How demography, life history, and kinship shape the evolution of genomic imprinting. *American Naturalist*, **176**, 440–55. (doi:10.1086/656277)

Akçay, E., VAN CLEVE, J., Feldman, M. W. & Roughgarden, J. (2009) A theory for the evolution of other-regard integrating proximate and ultimate perspectives. *Proceedings of the National Academy of Sciences of the United States of America*, **106**, 1100–1105. (doi:10.1073/pnas.0810000106)

*States of America*, **106**, 19 061–19 066. (doi:10.1073/pnas.0904357106)

– JOINT FIRST AUTHORSHIP

Salathé, M., VAN CLEVE, J. & Feldman, M. W. (2009) Evolution of stochastic switching rates in asymmetric fitness landscapes. *Genetics*, **182**, 1159–64. (doi:10.1534/genetics.109.103333)

VAN CLEVE, J. & Feldman, M. W. (2008) Stable long-period cycling and complex dynamics in a single-locus fertility model with genomic imprinting. *Journal of Mathematical Biology*, **57**, 243–264. (doi:10.1007/s00285-008-0156-4)

VAN CLEVE, J. & Feldman, M. W. (2007) Sex-specific viability, sex linkage and dominance in genomic imprinting. *Genetics*, **176**, 1101–1118. (doi:10.1534/genetics.107.071555)

Guralnick, R. & VAN CLEVE, J. (2005) Strengths and weaknesses of museum and national survey data sets for predicting regional species richness: comparative and combined approaches. *Diversity and Distributions*, **11**, 349–359. (doi:10.1111/j.1366-9516.2005.00164.x)

#### [ INVITED TALKS

University of Pennsylvania, Department of Biology, April 2014.

North Carolina State University, Biomathematics Graduate Program, April 2014

Florida State University, Department of Biology. January 2014.

University of California, San Diego, Section of Ecology, Behavior and Evolution. January 2014.

University of Kentucky, Department of Biology. December 2013.

Harvey Mudd College, Department of Biology. December 2012.

University of Lausanne, Switzerland, Department of Ecology and Evolution. May 2012.

Center for Nonlinear Studies, Los Alamos National Laboratory. April 2012.

University of Colorado, Boulder, Department of Ecology and Evolutionary Biology. January 2012.

University of New Mexico, Computer Science Department. November 2010.

National Institute for Mathematical Biology and Synthesis, Knoxville, TN. March 2010.

#### [ PRESENTATIONS

Evolution Conference, Snowbird, Utah. Concurrent session talk. June 2013.

Evolution Conference, Ottawa, Canada. Concurrent session talk. July 2012.

Animal Behavior Society and Human Behavioral and Evolution Society Meetings, Albuquerque, NM. Concurrent session talk. June 2012.

Ecological Society of America Meeting, Austin, TX. Concurrent session talk. August 2011.

Evolution Conference, Portland, OR. Concurrent session talk. June 2010

Evolution Conference, Minneapolis, MN. Concurrent session talk, June 2008.

EVO-WIBO Conference, Port Townsend, WA. Session talk. April 2008.

Evolution Conference, Christchurch, New Zealand. Concurrent session talk. June 2007.

## [ **TEACHING EXPERIENCE**

### NESCent

- Lecturer: Santa Fe Institute Summer Complexity and Modeling Program, Groton School, MA (Summer 2013)
- Mentor: Chloe Atwater, Research Assistant, Santa Fe Institute (Summer–Fall 2013).

### Santa Fe Institute

- Lecturer: Santa Fe Institute Complex Systems Summer School (2011–2012)
- Mentor: Austen Mack-Crane, Brown University, REU student (Summer 2012)
- Mentor: Brecia Young, Harvard University, REU student (Summer 2011)
- Mentor: Amalie McKee, Case Western Reserve University, REU student (Summer 2010)
- Mentor: The Masters Program (charter high school), Santa Fe, NM (2010–2012)

### Stanford University

- Biology Department Teaching Assistant Training Program: Electronic Resource Development; 2008–9
- Teaching Consultant for the Stanford Center for Teaching and Learning; 2007–9
- Guest Lecturer & Teaching Assistant, Fundamentals of Molecular Evolution (Biosci 113/244); Spring 2008
- Guest Lecturer, Theoretical Population Genetics (Biosci 183); Winter 2008
- Teaching Assistant, Plant Biology, Evolution, and Ecology (Biosci 43); Spring 2006
- Teaching Assistant, Biostatistics (Biosci 141); Winter 2005

## [ **GRANTS**

- 2013** Co-PI. Frost Foundation. \$20,000  
 “Quantifying the Impact of Mentorships on Human and Social Capital in Santa Fe New Mexico”

## [ **AWARDS AND HONORS**

- 2014** Carl Woese Institute for Genomic Biology (UIUC) Fellowship (declined)
- 2010** Samuel Karlin Prize in Mathematical Biology (Stanford University)
- 2009** National Institutes of Health Postdoctoral Fellowship (declined)
- 2008** National Institutes of Health NLM Training Grant Appointment
- 2007** Stanford University Centennial Teaching Award
- 2006** Stanford University Department of Biological Sciences Excellence in Teaching Award
- 2004** Anne T. and Robert M. Bass Stanford University Graduate Fellowship
- 2002** Elected Phi Beta Kappa
- 2001** Barry M. Goldwater Scholarship

[ **ACADEMIC SERVICE**

Member of the American Society of Naturalists and the Society for the Study of Evolution.

Reviewer: *Proceedings of the National Academy of Sciences*, *Genetics*, *Theoretical Population Biology*, *Proceedings of the Royal Society B*, *The American Naturalist*, *Evolution*, *Heredity*, *PLoS Computational Biology*, *Journal of Theoretical Biology*, *Bulletin of Mathematical Biology*,

[ **MEDIA COVERAGE**

*Albuquerque Journal* Health section article, June 13, 2011.