

# SANTIAGO SALINAS

## EVOLUTIONARY ECOLOGIST

✉ Biology Dept.  
Kalamazoo College  
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### appts

- 2015- **Assistant Professor**  
Kalamazoo College (Kalamazoo, MI)
- 2014 - 2015 **Visiting Assistant Professor**  
University of the Pacific (Stockton, CA)
- 2012 - 2014 **Post-doctoral scholar**  
University of California Santa Cruz (Santa Cruz, CA)  
Advisors: Distinguished Prof. Marc Mangel and Dr. Stephan Munch

### education

- AUG. 2012 **Ph.D. Marine sciences**  
Stony Brook University (Stony Brook, NY)  
Advisor: Assoc. Prof. Stephan Munch  
Thesis title: Thermal plasticity within and across generations and its relevance to contemporary evolution
- JUN. 2005 **B.A. Human ecology**  
College of the Atlantic (Bar Harbor, ME)  
Concentration: Evolutionary biology and ecology  
GPA: 3.9/4.0

### courses taught

- KALAMAZOO COLLEGE **Human physiology, Form and function, Vertebrate biology, Senior seminar**  
2015-
- UNIV. OF THE PACIFIC **Principles of biology, Marine birds and mammals, Ecology and conservation biology, Marine biology**  
2014-2015
- UNIV. CALIF. SANTA CRUZ **Animal ecology and conservation**  
Spring 2013
- STONY BROOK UNIV. **Prospects for planet Earth**  
Spring 2011
- STONY BROOK UNIV. **Principles of fishery biology and management**  
Spring 2009 (Teaching practicum - 2 classes)

### publications

- Donelson, J.M., **S. Salinas**, P.L. Munday, and L.N.S. Shama. 2018. Transgenerational plasticity and climate change experiments: where do we go from here? *Global Change Biology* 24:13-34.
- Salinas, S.** and S.B. Munch. 2015. Where should I send it? Optimizing the submission decision process. *PLoS ONE* 10:e0115451. [▶ FEATURED IN NATURE ◀](#) [FACULTY1000 RECOMMENDED](#)
- Salinas, S.** and S.B. Munch. 2014. Phenotypic complexity: integrated responses of life history characters to multiple environmental factors. *Evolutionary Ecology Research* 16:267-284.



4. **Salinas, S.** Marine biology: no head start. 2014. *Nature Climate Change* 4:1054-1055.
5. **Salinas, S.**, S.C. Brown, M. Mangel, and S.B. Munch. 2013. Non-genetic inheritance and changing environments. *Non-Genetic Inheritance* 1:38-50.
6. **Salinas, S.**, K.O. Perez, T.A. Duffy, S.J. Sabatino, L.A. Høie, S.B. Munch, and J. Conover. 2012. The recovery of correlated traits following cessation of fishery-induced selection. *Evolutionary Applications* 5:657-663.
7. **Salinas, S.** and S.B. Munch. 2012. Thermal legacies: transgenerational effects of temperature on growth in a vertebrate. *Ecology Letters* 15:159-163. COVER ARTICLE
8. Petersen, C.W., **S. Salinas**, R.L. Preston, and G.W. Kidder III. Spawning periodicity and reproductive behavior of *Fundulus heteroclitus* in a New England salt marsh. *Copeia* 2010:203-210.
9. Munch, S.B. and **S. Salinas**. 2009. Latitudinal variation in lifespan is explained by the metabolic theory of ecology. *Proceedings of the National Academy of Sciences USA* 106:13860-13864.
10. **Salinas, S.**, Y.J. Brandvain, R. Anderson, J. Marty, R.L. Preston, G.W. Kidder III, and C.W. Petersen. 2004. Reproductive ecology of *Fundulus heteroclitus* and *Fundulus diaphanus* in a New England watershed. *Bulletin of the Mount Desert Island Biological Laboratory* 43:115-117.

awards

- SUMMER 2016 **Faculty/Student Summer Research Grant**  
Kalamazoo College
- SUMMER 2016 **Heyl Summer Research Grant**  
Heyl Science Fund
- APR. 2011 **European Science Foundation Travel Award**  
ThermAdapt Meeting (Tartu, Estonia)
- FEB. 2011 **Outstanding Presentation Award**  
American Society of Limnology and Oceanography
- NOV. 2010 **Special Mention**  
Student Conference on Conservation Science - NY
- SEP. 2010 **Alliance for Graduate Education and the Professoriate (AGEP) Travel Award**  
American Fisheries Society Meeting (Pittsburgh, PA)
- MAY 2010 **AGEP Summer Research Grant**  
Stony Brook University
- 2010-2012 **W. Burghardt Turner Dissertation Fellowship**  
Stony Brook University
- 2009-2012 **Jerry R. Schubel Fellowship**  
Stony Brook University
- 2008-2009 **Long Island Sound Study Science and Technical Advisory Committee Fellowship**  
NY and CT SeaGrant
- JUN. 2008 **AGEP Travel Award**  
Evolution Meeting (Minneapolis, MN)
- 2001-2004 **Davis Scholarship**  
College of the Atlantic (full scholarship, 4 years)



1. **Salinas, S.** Lamarck revisited: evidence for thermal transgenerational plasticity. *Invited seminar - Kellogg Biological Station, Michigan State University*. November 2015. Hickory Corners, Michigan.
2. **Salinas, S.** Where should I send it? Optimizing the submission decision process. *Invited seminar - International Society for Medical Publication Professionals (ISMPP)*. May 2015. Webinar.
3. **Salinas, S.** Lamarck revisited: evidence for thermal transgenerational plasticity. *Invited seminar - University of the Pacific*. June 2014. Stockton, California.
4. **Salinas, S.** Lamarck revisited: evidence for thermal transgenerational plasticity. *Invited seminar - University of California Santa Cruz*. June 2014. Santa Cruz, California.
5. **Salinas, S., S.B. Brown, M. Mangel, and S.B. Munch.** Sheepshead minnows are smarter than us. American Genetics Association Meeting. June 2014. Seattle, Washington.
6. **Salinas, S., S.C. Brown, M. Mangel, and S.B. Munch.** Do longer exposures lead to more pronounced transgenerational effects? American Society of Naturalists Meeting. January 2014. Pacific Grove, California.
7. **Salinas, S., J. Gao, J.A. Siskidis, and S.B. Munch.** Thermal transgenerational plasticity in sheepshead minnows. Evolutionary Potential in Marine Populations Workshop. September 2012. List auf Sylt, Germany.
8. **Salinas, S., J.A. Siskidis, and S.B. Munch.** Transgenerational plasticity in an estuarine fish and its implications for climate change. ThermAdapt Meeting. April 2011. Tartu, Estonia.
9. **Salinas, S., J.A. Siskidis, and S.B. Munch.** Transgenerational plasticity in an estuarine fish and its implications for climate change. American Society of Limnology and Oceanography Annual Meeting. February 2011. San Juan, Puerto Rico. [▶ BEST PRESENTATION AWARD ◀](#)
10. **Salinas, S., J. Velasquez-Tibata, and S.B. Munch.** Climate change, metabolism, and the future of life histories. Student Conference on Conservation Science - NY. November 2010. New York, New York. [▶ SPECIAL MENTION \(ENTIRE PRESENTATION IN HAIKU\) ◀](#)

- 2017- **Search Committee, tenure-track position in Computer Science (Kzoo)**  
Member
- 2016- **Pierce Cedar Creek Institute**  
Advisory Board Member
- 2016- **Assessment Committee (Kzoo)**  
Member
- 2017 **National Science Foundation - Division of Integrative Organismal Systems**  
Panelist
- 2009-2012 **Alan Alda Center for Communicating Science at Stony Brook (SBU)**  
Program assistant  
Helped organize one-day, innovative workshops for faculty and graduate students at Stony Brook University, Cold Spring Harbor Laboratory, and Brookhaven National Laboratory.
- 2008-2010 **Graduate Program Committee (SBU)**  
Member
- 2008-2009 **“From Peer to Public” Lecture Series (SBU)**  
Co-organizer  
Co-creator of lecture series aimed at improving science communication among graduate students and faculty.

2004-2005 **Personnel Committee (COA)**  
Member

2004 **Search Committee, Reference Librarian/Audio-visual Specialist (COA)**  
Member

2004 **Search Committee, Professor in Cell and Molecular Biology (COA)**  
Member

2003-2004 **Environmental Sciences Faculty Review Team (COA)**  
Member

Reviewer for *American Naturalist*, Agence Nationale de la Recherche (France),  
*Conservation Letters*, *Current Zoology*, *Ecology*, *Ecology and Evolution*,  
*Ecology Letters*, *Hydrobiologia*, *ICES Journal of Marine Science*,  
*Levinton's Marine Biology*, *National Science Foundation*, *Nature Climate Change*,  
*Oecologia*, *Oikos*, *PLOS ONE*

Undergraduate students mentored **Kalamazoo College 5**, **University of the Pacific 5**,  
**University of California Santa Cruz 2**, **Stony Brook University 7**.

references

1. **Stephan B. Munch**

Fisheries Ecologist  
NOAA Fisheries  
110 Shaffer Rd.  
Santa Cruz, CA 95060  
831.420.3909  
steve.munch@noaa.gov

2. **Marc Mangel**

Distinguished Professor  
University of California Santa Cruz  
1156 High St.  
Santa Cruz, CA 95064  
831.234.2970  
msmangel@ucsc.edu

3. **Christopher W. Petersen**

Professor  
College of the Atlantic  
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