

## Casey Youngflesh

Department of Ecology and Evolution

Stony Brook University – Stony Brook, NY 11790

Phone: (970) 759-5238 | Email: [casey.youngflesh@stonybrook.edu](mailto:casey.youngflesh@stonybrook.edu)

Twitter: @CaseyYoungflesh | ORCID iD: 0000-0001-6343-3311

### EDUCATION

- 2013-Present**     **Ph.D. Ecology and Evolution**  
Stony Brook University – Stony Brook, NY  
*Advisor:* Heather Lynch
- 2011**             **Master of Conservation Biology (*with distinction*)**  
University of New South Wales – Sydney, Australia
- 2007**             **B.S. Ecology and Evolution**  
University of California, Santa Cruz – Santa Cruz, CA

### PROFESSIONAL APPOINTMENTS

- 2015-Present**     **Guest Student**  
Woods Hole Oceanographic Institution – Woods Hole, MA
- 2014-Present**     **Graduate Research Assistant**  
Stony Brook University – Stony Brook, NY
- 2012**             **Science Division Intern**  
Oceana – Washington, DC
- 2008-2009**         **Research Assistant**  
Galápagos Sea Lion Project – Galápagos Islands
- 2008**             Alaska Sea Life Center – Seward, AK
- 2007-2008**         California Condor Recovery Program – USFWS – Ventura, CA
- 2007**             Sinervo Lab – UC Santa Cruz – Santa Cruz, CA
- 2006**             National Marine Mammal Laboratory/Costa Lab – UC Santa Cruz – Año Nuevo Island, CA

### GRANTS AND AWARDS

- 2016**             NASA Earth and Space Science Fellowship (NESSF) – NASA (\$30,000)
- 2016**             Institute for Advanced Computational Science Travel Award – Stony Brook University (\$2000)
- 2016**             Robert R. Sokal Award for Statistical Biology – Stony Brook University (\$690)
- 2015**             Real Brown Travel Award – Ecological Society of America (\$300)
- 2015**             Alexander Goetz Award – ASD Inc. (Instrument loan + publication fees)
- 2015**             Grant in Aid of Research – Sigma Xi (\$700)
- 2014**             Legacy Society Exploration Fund Research Grant – Explorers Club (\$4000)
- 2014**             Excellence in Research Award – Stony Brook University (\$1250)
- 2013**             Course Scholarship Award – National Outdoor Leadership School (\$2000)
- 2013**             Recruitment Fellowship – Stony Brook University (\$2000)

### PUBLICATIONS

Che-Castaldo, C, S Jenouvrier, **C Youngflesh**, K Shoemaker, G Humphries, P McDowall, L Landrum, M Holland, Y Li, R Ji, HJ Lynch. Pan-Antarctic analysis reveals the importance of stochastic forcing for Adélie penguins: How noisy is too noisy for adaptive management? **In Review at *Nature Communications***

**Youngflesh, C**, S Jenouvrier, Y Li, R Ji, DG Ainley, G Ballard, C Barbraud, K Delord, KM Dugger, LM Emmerson, WR Fraser, JT Hinke, POB Lyver, S Olmastroni, CJ Southwell, SG Trivelpiece, WZ Trivelpiece, HJ Lynch. Circumpolar analysis of the Adélie penguin reveals the importance of environmental variability in phenological mismatch. **In Press at *Ecology***

## PRESENTATIONS

**Youngflesh, C**, Y Li, R Ji, S Jenouvrier, HJ Lynch. 2016. Adélie penguin response to environmental conditions challenges accepted wisdom regarding phenological match-mismatch. Scientific Committee on Antarctic Research Open Science Conference. Kuala Lumpur, Malaysia. (Oral presentation)

**Youngflesh, C**, S Jenouvrier, Y Li, R Ji, G Ballard, WR Fraser, HJ Lynch. 2016. Stochasticity in breeding phenology – importance of breeding synchrony in a colonial seabird. Ecological Society of America Annual Meeting. Fort Lauderdale, FL. (Poster)

**Youngflesh, C**, Y Li, S Olmastroni, S Jenouvrier, HJ Lynch. 2015. Environmental drivers of penguin phenology – divergent responses of the Adélie penguin. Ecological Society of America Annual Meeting. Baltimore, MD. (Oral presentation)

Keledjian, AJ, B Lowell, **C Youngflesh**. 2013. Bycatch and cumulative impacts in U.S. fisheries: where are they now? International Sea Turtle Symposium. Baltimore, MD. (Poster)

Keledjian, AJ, S Young, **C Youngflesh**. 2013. Trends in bycatch reduction research: regional patterns, implementation gaps, and future needs. Biennial Conference on the Biology of Marine Mammals. Dunedin, New Zealand. (Oral presentation)

## SOCIETY MEMBERSHIP

Ecological Society of America (ESA)

Sigma Xi

Association of Polar Early Career Scientists (APECS)

Explorers Club

## SERVICE/OUTREACH

<b>2017</b>	Science Educator – Grads for Education and Outreach
<b>2016-2017</b>	Naturalist – Friends of the Ashley Schiff Park Preserve
<b>2016-2017</b>	Vice President – Ecology and Evolution Club Stony Brook University
<b>2014-2017</b>	Public outreach presentations aboard Antarctic expedition ships
<b>2016</b>	Reviewer for Real Brown Travel Award – Ecological Society of America
<b>2016</b>	Session Convener (OSC 26) – Scientific Committee on Antarctic Research
<b>2015</b>	Reddit Ask Me Anything (AMA) Panel – Association of Polar Early Career Scientists
<b>2015</b>	EcoArt Science/Art Communication Panel – Ecological Society of America
<b>2013-2014</b>	Departmental Representative – Graduate Student Employment Union
Ad-hoc	<i>Global Change Biology</i> (2)

reviewer

## TEACHING

**August 2016** Instructor Assistant – Data Carpentry Workshop – Stony Brook, NY  
**Spring 2014** Teaching Assistant – Applied Ecology Laboratory (BIO 356) – Stony Brook University – Stony Brook, NY  
**Fall 2013** Teaching Assistant – Fundamentals of Scientific Inquiry Laboratory (BIO 204) – Stony Brook University – Stony Brook, NY

## STUDENTS MENTORED

**2015-2017** Katla Thorsen (undergraduate) – Stony Brook University – Stony Brook, NY  
**2016** Lisa Jakubczyk (undergraduate) – Stony Brook University – Stony Brook, NY

## SOFTWARE

**MCMCvis** R package (available on CRAN) for visualizing, manipulating, and summarizing MCMC output – over 1400 total downloads

## ADDITIONAL TRAINING

**2015-2016** Science communication training – Alan Alda Center for Communicating Science  
**2015** Remote Sensing Polar Boot Camp – Polar Geospatial Center  
**2015** Graduate Environmental Data Analytics Workshop – National Center for Atmospheric Research  
**2014** Spatial and Quantitative Ecology Workshop – Smithsonian Conservation Biology Institute  
**2014** Computational Summer Institute – National Socio-Environmental Synthesis Center