

# Talia Young

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## EDUCATION

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- Rutgers University**, New Brunswick, NJ 2010-2016  
Ph.D. in Ecology & Evolution. Dissertation title: *You are more than what you eat: Using biomarkers to investigate aquatic trophic relationships at multiple scales*  
Advisor: Olaf Jensen. Committee members: Ken Able, Bonnie McCay, Peter Morin, Mary Beth Decker.
- University of Pennsylvania**, Philadelphia, PA 2004-2007  
Teacher certification in secondary-level Biology (PA)
- Swarthmore College**, Swarthmore, PA 1997-2001  
Bachelor of Arts in Biology. Recipient: Leo M. Leva Prize in Biology

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## PROFESSIONAL EXPERIENCE

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- David H. Smith Conservation Postdoctoral Fellow**, *Princeton University*, Princeton, NJ 2016-present
- Science Teacher, Curriculum/Assessment Developer**, *Mastery Charter School*, Philadelphia, PA 2006-2010
- Youth Program Director**, *Woodrock, Inc.*, Philadelphia, PA 2003-2006
- Neighborhood Planning Coordinator**, *Norris Square Civic Association*, Philadelphia, PA 2001-2003

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## PEER-REVIEWED PUBLICATIONS

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- C McDonough MacKenzie, S Kuebbing, RS Barak, M Bletz, J Dudney, BM McGill, MA Nocco, T Young, RK Tonietto. 2019. We do not want to “cure plant blindness” we want to grow plant love. *Plants People Planet* 1(2):1-3.
- L Rogers, R Griffin, **T Young**, E Fuller, K St Martin, M Pinsky. 2019. Shifting habitats expose fishing communities to risk under climate change. *Nature Climate Change* 9:512-6.
- T Young** & E Fuller, K Coleman, M Provost, K St Martin, M Pinsky. 2018. Adaptation strategies of coastal fishing communities as species shift poleward. *ICES J Marine Science* 76(1): 93-103
- B Dubik & E Clark, **T Young**, K Coleman, SBJ Zigler, M Provost, M Pinsky, K St Martin. 2018. Governing fisheries in the face of change: Social responses to long-term geographic shifts in a U.S. fishery. *Marine Policy*. 99:243-51.
- T Young**, J Pincin, P Neubauer, S Ortega-García, OP Jensen. 2018. Investigating diet patterns of highly mobile marine predators using stomach contents, stable isotope, and fatty acid analyses. *ICES J Marine Science* 75(5): 1583-90.
- P Tsogtsaikan, B Mendsaikhan, G Jargalmaa, B Ganzorig, B Weidel, CM Filosa, CM Free, **T Young**, OP Jensen. 2017. Age and growth comparisons of Hovsgol grayling (*Thymallus nigrescens* Dorogostaisky, 1923), Baikal grayling (*T. baicalensis* Dybowski, 1874), and lenok (*Brachymystax lenok* Pallas, 1773), and grayling, *Thymallus spp.*, in lentic and lotic habitats of northern Mongolia. *J Applied Ichthyology* 33(1):108-15.
- T Young**, O Jensen, B Weidel, S Chandra. 2015. Natural trophic variability in a large, oligotrophic, near-pristine lake. *J Great Lakes Research* 41: 463–472.
- T Young**, S Komarow, L Deegan, R Garritt. 1999. Population size and summer home range of the green crab, *Carcinus maenas*, in salt marsh tidal creeks. *Biological Bulletin* 197: 297-299.
- S Komarow, **T Young**, L Deegan, R Garritt. 1999. Influence of marsh flooding on the abundance and growth of *Fundulus heteroclitus* in salt marsh creeks. *Biological Bulletin* 197: 299-300.

## GRANTS, AWARDS & FELLOWSHIPS

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<b>United States Department of Agriculture Local Food Promotion Program Grant</b> Project: “Developing and implementing a model for a diverse, urban, school-based community-supported fishery program” (Solo PI)	2016-2019 (\$266,425)
<b>David H. Smith Conservation Postdoctoral Research Fellowship</b> Project: “Conservation implications of community-supported fishery (CSF) programs: A multidisciplinary analysis of ecological, economic and social outcomes” (Solo PI) (Collaborators: Dr. Simon Levin (Princeton), Dr. Jameal Samhouri (NOAA-NWFS), Dr. John Manderson (NOAA-NMFS), Dr. Kevin St. Martin (Rutgers), Dr. Josh Stoll (U Maine and LocalCatch.org), Dr. Chris Kennedy (George Mason))	2016-present (\$214,353)
<b>Rutgers University - Graduate School of New Brunswick</b> <i>Bevier Dissertation Completion Fellowship</i>	2015-2016 (\$20,000)
<b>Washington Biologists Field Club, Research Award</b> Project: “Using stable isotopes to study trophic dynamics of sea nettles and ctenophores”	2015 (\$2900)
<b>Socio-Ecological Synthesis Center (SESYNC), Graduate Student Pursuit</b> Project: “Shifting fish and shifting fishers: Examining fishing communities’ responses to range shifts of marine fish species” (Co-PI with B Dubik and E Fuller)	2014-2015
<b>Rutgers University Marine Field Station, Graduate Funding Award</b>	2012-2014
<b>Union of Concerned Scientists - Ecological Society of America / Student Section</b> <i>EcoService Award</i>	2012
<b>Manasquan River Marlin &amp; Tuna Club, George Burlew Scholarship</b>	2011-2014
<b>National Science Foundation (NSF) Graduate Research Fellowship (GRF)</b>	2010-2013

## PROGRAM DEVELOPMENT, TEACHING, AND MENTORSHIP EXPERIENCE

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<b>Founder and Director, Fishadelphia, Philadelphia, PA</b> ( <a href="https://www.fishadelphia.com">https://www.fishadelphia.com</a> ) Develop/coordinate innovative student-run business bringing fresh seafood from NJ and selling at reasonable prices to culturally and economically diverse customers. Organize events to connect rural fishing communities with urban eating communities.	2017-present
<b>Founding team member, Plant Love Stories</b> ( <a href="https://www.plantlovestories.com">https://www.plantlovestories.com</a> ) Develop web site to highlight stories demonstrating the importance of plants in our lives.	2018-present
<b>Program Developer and Teacher</b> <i>Fisheries &amp; Calculus Mini-Course, Mastery Charter School, Philadelphia, PA</i> Developed/taught/assessed 6-week course on applications of math in fisheries science, including modeling in R.	2016
<i>Advanced Ecology Program, Mastery Charter School, Philadelphia, PA</i>	2011-12
<i>Sea Nettle Ecology Program, Marine Academy of Technology and Environmental Science, Manahawkin, NJ</i> Developed/taught after-school programs for high school students intended to expose underrepresented minorities and first-in-their-family college attendees to research science.	2012-13
<b>Intern Supervisor, NSF REU, Rutgers Marine Field Station, Tuckerton, NJ</b> Supervised undergraduate summer research interns, one of whom won first prize in poster contest.	2011-2013
<b>Science Teacher, Mastery Charter School, Philadelphia, PA</b> Courses taught: Physical Science, Biology, AP Biology. Wrote benchmark exams used across 4 campuses.	2006-2010
<b>Program Director, Woodrock, Inc., Philadelphia, PA</b> Directed environmental education and leadership program on conflict resolution, community organizing, vacant land conversion and stormwater management for public high school students.	2003-2006

## INVITED ACADEMIC PRESENTATIONS

(\*Denotes mentored high school student project)

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- Haverford College**, *Introduction to Environmental Studies*, Haverford, PA 2019  
“Challenges of harvesting food from the sea”
- American Fisheries Society**, *148<sup>th</sup> Annual Meeting*, Atlantic City, NJ 2018  
“Monsters of Climate Science” Workshop: “Fishing communities & climate change”
- Swarthmore College**, *Senior Biology Seminar*, Swarthmore, PA 2017  
“Working at the boundaries: Lessons from coastal socio-ecological systems”
- Stockton College**, *Senior Biology Seminar*, Galloway, NJ 2017  
“Working at the boundaries: Lessons from coastal socio-ecological systems”
- Mongolia Ecological Research Symposium**, Tuckerton, NJ 2012  
\*“Making connections: Examining trophic relationships in a pristine Mongolian lake with high school students in Philadelphia using stable isotope analysis” (**T Young**, M Brickle, M Clark, O Handoko, A Huynh, A Nguyen, A Nguyen, A Lam, D Lewis, N Marsico, M Muhammad, S Small, K Wint)

## INVITED COMMUNITY PRESENTATIONS

(\*Denotes mentored high school student project)

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- Princeton Environmental Institute (PEI) Conversation on the Environment, Responsible Energy, and Life (CEREAL)**, *Breakfast discussion*, Princeton, NJ 2018  
Presentation title: “Fishadelphia: A innovative community seafood program”
- NOAA General Counsel**, *National Meeting*, Philadelphia, PA 2018  
Presentation title: “Fishadelphia: A innovative community seafood program”
- Free Library of Philadelphia**, Philadelphia, PA 2018  
*Workshop: From SNAP to Growing Food for Your Community: Understanding the Farm Bill*  
Presentation title: “Fishadelphia: Farm Bill funding on the ground”
- Save Barnegat Bay**, *Annual Meeting*, Toms River, NJ 2014  
\*“Using local ecological knowledge to describe sea nettle population dynamics in Barnegat Bay, NJ” (M Chang, T Donovan, Q Dunlea, A Grace, C Leahy, M Martin, B Minotti, B Palmer, S Porras, R Whitsitt, Z Zega, **T Young**)

## CONTRIBUTED ACADEMIC PRESENTATIONS

(\*Denotes mentored high school or undergraduate student project)

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- American Fisheries Society**, *148<sup>th</sup> Annual Meeting*, Atlantic City, NJ 2018  
*Oral presentation*: “Alternative seafood supply chains as vehicles for mutual learning among stakeholders” (G Cumming, **T Young**, K Hunter-Thomson, C Norwood)
- Ocean Sciences**, *2016 Meeting*, New Orleans, LA 2016  
*Oral presentation*: “How are fishing patterns and fishing communities responding to climate change?” (**T Young**, E Fuller, K Coleman, M Provost, K. St Martin, M Pinsky)
- American Fisheries Society - Mid-Atlantic Chapter**, *2015 Annual Meeting*, Cape May, NJ 2015  
*Poster*: “Combining models and interviews shows many factors contribute to sea nettle abundance in Barnegat Bay” (**T Young**, J Vasslides, E Buenaventura, MB Decker)

- American Fisheries Society, 145<sup>th</sup> Annual Meeting**, Portland, OR 2015  
*Oral presentation:* “Catch diversity may buffer fishing communities from the effects of climate change”  
**(T Young, E Fuller, K Coleman, M Provost, K St Martin, M Pinsky)**  
*Poster:* “Are striped marlin ‘true’ generalists? A three-pronged approach”  
**(T Young, J Pincin, S Ortega-García, P Neubauer, O Jensen)**
- Ecological Society of America, 100<sup>th</sup> Annual Meeting**, Baltimore, MD 2015  
*Oral presentation:* “Individual diet specialization in striped marlin”  
**(T Young, J Pincin, S Ortega-García, P Neubauer, O Jensen)**  
*Oral presentation:* “Two birds, one stone: Using local ecological knowledge (LEK) to elucidate ecological processes and increase engagement of students in science” **(T Young)**
- American Fisheries Society, 144<sup>th</sup> Annual Meeting**, Quebec City, Quebec, Canada 2014  
*Oral presentation:* “Combining local ecological knowledge (LEK) with field surveys to elucidate ecological patterns: a case study of an estuarine jellyfish” **(T Young, MB Decker, J Vasslides, M Kaneshiro-Piñeiro)**
- American Council for Mongolian Studies, Annual Meeting**, Philadelphia, PA 2014  
*Poster:* “Trophic variability in a simple, pristine lake: What are the implications for studying change in other lakes?” **(T Young, B Weidel, S Chandra, O Jensen)**
- Ocean Sciences, 2014 Meeting**, Honolulu, HI 2014  
*Poster:* “Trophic variability in a simple, pristine lake: What are the implications for studying change in other lakes?” **(T Young, B Weidel, S Chandra, O Jensen)**  
*\*Poster:* “Histological analysis of reproductive biology of an estuarine jellyfish (*Chrysaora quinquecirrha*)”  
**(J Gezymalla, T Young, J Vasslides, M Kaneshira-Piñeiro)**
- American Fisheries Society - Mid-Atlantic Chapter, 2013 Annual Meeting**, Tuckerton, NJ 2013  
*\*Oral presentation:* “Using local ecological knowledge to describe sea nettle population dynamics in Barnegat Bay, NJ” **(M Chang, T Donovan, Q Dunlea, A Grace, S Kuras, C Leahy, M Martin, B Minotti, B Palmer, S Porras, R Whitsitt, Z Zega, T Young)**  
*\*Poster:* “LEK vs. USGS: Comparing information from fishermen with government-collected data regarding the range of an invasive species of fish, northern snakehead (*Channa argus*), in the Philadelphia region” **(P Bowen, E Chea, D Do, T Dy, O Handoko, K Koing, B Lac, A Lam, Z Lassiter, E Lau, J McKnight, M Nie, H Tang, K Williams, P Yann and T Young)**
- Society for Conservation Biology, 26<sup>th</sup> International Congress**, Baltimore, MD 2013  
*Poster:* “Trophic variability in a simple, pristine lake: What are the implications for studying change in other lakes?” **(T Young, B Weidel, S Chandra, O Jensen)**
- American Fisheries Society - Mid-Atlantic Chapter, 2012 Annual Meeting**, Wilmington, DE 2012  
*Oral presentation:* “Barnegat Bay: an ideal habitat for sea nettles, *Chrysaora quinquecirrha*”  
**(T Young, N Sassano, J Barny, U Howson, J Nickels, S Whitebread, J Vasslides)**
- American Fisheries Society, 142<sup>nd</sup> Annual Meeting**, St. Paul, MN 2012  
**Ecological Society of America, 97<sup>th</sup> Annual Meeting**, Portland, OR 2012  
*Oral presentation:* “Interannual trophic variability in a pristine north temperate lake”  
**(T Young, O Jensen, B Weidel, S Chandra)**  
*Oral presentation:* “From field trips to Facebook: A low-cost model for conducting ecology outreach with urban minority high school youth” **(T Young)**

## POPULAR MEDIA COVERAGE

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WHYY *Movers & Makers*, "[The Locals](#)," (television segment, starting at 20:15), 11 Apr 2019.

*Anthropocene*, "[Forced to follow their catch, fishers are moving north](#)," 8 Mar 2019.

*The New Food Economy*, "[As warming waters push fish north, fishing communities have little choice but to follow](#)," by Jessica Fu, 28 Feb 2019.

*Science Daily*, "[Why North Carolinian boats are fishing off New Jersey's coast, and how a CSF might help](#)," 19 Feb 2019.

*Princeton University*, "[North Carolinian boats are now fishing off New Jersey's coast](#)," by Liz Fuller-Wright, 18 Feb 2019.

*Civil Eats*, "[High school students run this dock-to-dish sustainable seafood program](#)," by Jenn Hall, 23 Oct 2018.

*Swarthmore College Alumni Magazine*, "[Casting a wide net](#)," by Kate Campbell, Fall 2018.

*Northeast Sustainable Agriculture Working Group*, "[Farm Bill Spotlight: Fishadelphia](#)," 11 Jul 2018.

*South Philly Review*, "[A fishy event](#)," by Tom Beck, 7 Jun 2018.

WHYY *Newsworks Tonight*, "[Philly's new spot for fresh fish is ... in a school?](#)" (radio segment), by Avi Wolfman-Arent, 12 Feb 2018.

*Saving Seafood*, "[Pennsylvania: Fishadelphia is Philly's new sustainable seafood CSA](#)," 6 Feb 2018.

*Philly Magazine - Foobooz*, "[Fishadelphia is Philly's new sustainable seafood CSA](#)," by Jason Sheehan, 6 Feb 2018.

*Billy Penn*, "[South Philly high school students started a new seafood CSA. 'Fishadelphia' offers biweekly fresh fish deliveries from the Jersey Shore](#)," 6 Feb 2018

*Asbury Park Press*, "[New fish trade starts between Jersey Shore and South Philly](#)," by Dan Radel, 5 Feb 2018.

*Rutgers Today*, "[Balancing passions, a Rutgers-trained scientist heads for the future](#)," by Ken Branson, 11 Jul 2016.

## OTHER WRITING

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T Young, "[Sex ≠ Gender](#)," *PLOS Ecology Community Blog*, 17 Jan 2019

## DIVERSITY, EQUITY, AND INCLUSION WORK

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<b>Princeton Department of Ecology &amp; Evolutionary Biology</b> , <i>Climate Committee</i> , Member	2017-present
<b>Smith Fellowship</b> , <i>Diversity Committee</i> , Co-founder	2016-present
<b>Society for Conservation Biology</b> , <i>Equity, Inclusion, and Diversity Committee</i> , Member	2014-present
<b>Rutgers Ecology &amp; Evolution Graduate Program</b> , <i>Diversity Focus Group</i> , Co-founder	2015-2016

Engage broader community in organizational activities, increase diversity in applicant recruitment, support diversity trainings, and ensure that departments/programs are welcoming and supporting to all members.

## OTHER SERVICE AND AFFILIATIONS

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Manuscript reviewer, *Canadian Journal of Fisheries and Aquatic Sciences*, *Marine Ecology Progress Series*, *Marine Policy*  
Proposal reviewer, *National Science Foundation*, *National Geographic Society*

Member, *Society for Conservation Biology*, *American Fisheries Society*, *Ecological Society of America*