Jacqueline Gerson

FFSC 3304, Duke University, Durham NC 27708

jacqueline.gerson@duke.edu • 732-710-1844

**EDUCATION AND WORK EXPERIENCE**

**University Program in Ecology**, Duke University – Durham, NC

2016- PhD Candidate, Ecology

Advisor: Emily S. Bernhardt

**College of Civil and Environmental Engineering**, Syracuse University – Syracuse, NY

2014-2016 M.S., Environmental Engineering Science

Thesis: *Elevational and seasonal patterns in methylmercury production across the montane landscape of Whiteface Mountain in the Adirondack Region of New York*

Advisor: Charles T. Driscoll

**Peace Corps Volunteer** – Keur Serigne Thioye, Senegal

2012-2014 Health and Environmental Education Extension Agent

**Colgate University** – Hamilton, NY

2007-2011 B.A. Biochemistry, Minor: Environmental Studies, *Magna Cum Laude*

Honors Thesis: *The uptake of pyrene molecules onto NaCl and NaNO3 aerosol particles*

Advisor: Ephraim Woods, III

**Cardiff University** – Cardiff, Wales

2010 Colgate Natural Sciences Study Abroad Program

**RESEARCH INTERESTS**

I am interested in human impacts on the biogeochemical cycling of nutrients and trace metals within watersheds. In particular, I seek to understand how landscape change, acid deposition, climate change, and the introduction of contaminants influence environmental processing and transport of these molecules. Through field and laboratory experiments, I hope to better understand the behavior of these systems and to predict future changes. I aim to utilize these ecosystem assessments to guide human health analyses and public policy, as well as to increase understanding of human exposure pathways.

**MAJOR AWARDS AND FELLOWSHIPS**

2018-2021 *Duke Global Health Institute Doctoral Scholar* – Duke University

2018 *Graduate Research Internship Program (GRIP)* – National Science Foundation

2015-2020 *Graduate Research Fellowship (GRFP)* – National Science Foundation

2016 *Outstanding Graduate Student in Civil and Environmental Engineering –* Syracuse University

2015-2016 *Selected Professions Fellowship* – American Association of University Women

2014-2016 *Syracuse University Graduate Fellowship* – Syracuse University

2011 *Award for Excellence in Environmental Studies* – Colgate University

**PEER-REVIEWED PUBLICATIONS**

5. **Gerson JR**, Driscoll CT, Hsu-Kim H, and Bernhardt ES. 2018. Senegalese artisanal gold mining leads to elevated total and methylmercury concentrations in soils, sediments, and rivers*. Elementa: Science of the Anthropocene.* 6(1): 11*.* DOI: http://doi.org/10.1525/elementa.274

4. **Gerson JR**, Driscoll CT, Demers JD, Sauer AK, Blackwell BD, Montesdeoca MR, Shanley JB, and Ross DS. 2017. Deposition of mercury in forests across a montane elevation gradient: Elevational and seasonal patterns in methylmercury inputs and production. *JGR Biogeosciences.* 122(8):1922-1939. DOI: 10.1002/2016JG003721

3. **Gerson JR** and Driscoll CT. 2016. Is mercury in a remote forested watershed of the Adirondack Mountains responding to recent decreases in emissions? *Environmental Science and Technology,* 50(20): 10943-10950. DOI: 10.1021/acs.est.6b02127

2. **Gerson JR**, Driscoll CT, and Roy KM. 2016. Patterns of nutrient dynamics in Adirondack lakes recovering from acid deposition. *Ecological Applications*, 26(6): 1758-1770. DOI: 10.1890/15-1361.1

1. Woods III E, Yi C, **Gerson JR**, and Zaman RA. 2012. Uptake of pyrene by NaCl, NaNO3, and MgCl2 aerosol particles. *The Journal of Physical Chemistry A*, 116.15: 4137-4143. DOI: 10.1021/jp3014145

**TECHNICAL REPORTS AND ARTICLES**

8. **Gerson JR.** 2018. “Wild, wonderful” West Virginia’s decapitated mountains and deformed fish. *Scientific American: Observations.* Online. https://blogs.scientificamerican.com/observations/wild-wonderful-west-virginias-decapitated-mountains-and-deformed-fish/

7. **Gerson JR**, Simonin M, Beye M, and Bernhardt ES. 2017. Le mercure et l’orpaillage artisanal au Sénégal*.* Technical Report.

6. **Gerson JR.** 2017. The dirty secrets of gold mining in Senegal. *National Geographic Voices*. Online. https://voices.nationalgeographic.org/2017/07/19/the-dirty-secrets-of-gold-mining-in-senegal/

5. **Gerson JR.** 2017. Living the science: Place-based education as a model for scientific learning. *Voices for Biodiversity*. Online. http://voicesforbiodiversity.org/articles/living-the-science-place-based-education-as-a-mode

4. Peterson A, Zorn R, Maurer E, **Gerson JR**, Van Es K, Berlin E, Cravero C, Okonski K, Linn A, Danner S, Uller C, Pedersen C, Linn P, and Legare S. 2013. General health and nutrition manual: a resource guide for Peace Corps Volunteers. Peace Corps. Dakar, Senegal.

3. **Gerson JR** and Curcuruto L. 2012. Nioro du Rip action plan. Peace Corps. Dakar, Senegal.

2. **Gerson JR**, Cardillo M, Fox C, and Thomas R. 2010. Ecosystem analysis of red pine plantations in Central New York. Huyck Preserve and Biological Research Station. Rensselaerville, NY.

1. **Gerson JR**, Fernley A, McCrory C, and Parry H. 2010. Strategic land conservation plan. Cazenovia Preservation Foundation. Cazenovia, NY.

**GRANTS**

Girls on outdoor Adventure for Leadership and Science (GALS) Summer Program ($10,000), REI Force of Nature Grant, September 2018-August 2019, PI: **J Gerson**, co-PI: E Levy, E Ury, N Cagle.

The Fate and Transport of Mercury from Artisanal Gold Mining in Madre de Dios, Peru ($12,500), Duke Global Health Institute Dissertation Fieldwork Grant*,* May 2018-June 2019, PI: **J Gerson**.

Girls on outdoor Adventure for Leadership and Science (GALS) Summer Program ($6990), American Association of University Women, July 2018-June 2019, PI: **J Gerson**.

Mapping the Fate of Quicksilver: Mercury Contamination from Artisanal Small-Scale Gold Mining in Senegal ($990), Sigma Xi Grants in Aid of Research, January 2018-December 2018, PI: **J Gerson**.

Environmental Epidemiology in Latin America: Identifying the Impacts of Artisanal Gold Mining on Forest Reserves and Native Populations in the Peruvian Amazon ($30,000), Duke Bass Connections, January 2018-December 2019, PI: E Bernhardt, co-PI: W. Pan, **J Gerson**.

Quicksilver in the Waters: Tracing Mercury Contamination from Artisanal Gold Mining from Its Source through the Environment in Madre de Dios, Peru ($5000), Lewis and Clark Fund for Exploration and Field Research Field Scholar, February 2018-July 2018, PI: **J Gerson**.

Girls on outdoor Adventure for Leadership and Science (GALS) Summer Program ($20,000), REI Force of Nature Grant, July 2017-June 2018, PI: **J Gerson**, co-PI: E Levy, N Cagle.

Girls on outdoor Adventure for Leadership and Science (GALS) Summer Program ($15,000), The North Face Explore Fund, July 2017-June 2018, PI: **J Gerson**, co-PI: E Levy, ES Bernhardt.

Girls on outdoor Adventure for Leadership and Science (GALS) Network ($14,153), Duke Support for Interdisciplinary Graduate Networks (D-SIGN), May 2017-May 2018, PI: **J Gerson**, co-PI: E Levy, N Cagle.

Ecosystem Assessment of Mercury from Gold Mining in Madre de Dios, Peru ($1752), Geological Society of America, July 2017-June 2018, PI: **J Gerson**.

Tracing Mercury from Artisanal Gold Mining into Agricultural Soils and Crops ($1000), Duke Grant in Aid, June 2017-June 2018, PI: **J Gerson**.

Engaging policy makers and local communities in understanding research findings on mercury artisanal gold mining in Senegal ($3992), Policy Bridge Funds for Policy Engagement, April 2017-April 2018, PI: **J Gerson**, co-PI: Emily Bernhardt.

Quicksilver in the Waters: Tracing Mercury Contamination from Artisanal Gold Mining from Its Source through the Environment ($3000), Exploration Fund Grant: Mamont Scholar, June 2016-December 2016, PI: **J Gerson**.

Nutrient dynamics in Adirondack lakes recovering from acidification by acid deposition ($40,000), New York State Energy Research and Development Authority, January 2015-August 2016, PI: CT Driscoll, co-PI: **J** **Gerson**.

Reach for the stars: A Senegalese community library ($3400), World Connect, November 2013-March 2014, PI: **J Gerson**, co-PI: F Umoh.

Keur Serigne Thioye girls’ club ($250), Peace Corps Senegal Gender and Development, November 2012-April 2014, PI: **J Gerson**.

Keur Serigne Thioye women’s garden ($1200), USAID Feed the Future, October 2012-May 2013, PI: **J Gerson**.

Keur Serigne Thioye water project ($150), Water Charity Appropriate Projects, September 2012-December 2012, PI: **J Gerson**.

Gardens in 4 primary schools ($1900), Peace Corps Small Project Assistance, November 2010-August 2013, PI: D Stoermer, co-PIs: **J Gerson**,L Curcuruto, T Joel, A Constant, M Hyatt, E Corkery.

**CONFERENCE PRESENTATIONS AND SEMINARS**

**Gerson JR**, Naslund, L, Hsu-Kim H, and Bernhardt ES. May 2018. “The Interaction of Mercury and Selenium Across Environmental Compartments.” SETAC Europe. Rome, Italy.

**Gerson JR**, Hsu-Kim H, Bernhardt ES, and Driscoll CT. April 2018. “Mercury Contamination from Artisanal Gold Mining in Senegal.” Duke University Program in Ecology Oosting Symposium. Oral Presentation. Durham, NC.

**Gerson JR.** (Invited.) Feb 2018. “Tracing Quicksilver: The Fate and Transport of Mercury from Artisanal Gold Mining.” Wake Forest University Ecology and Evolutionary Biology Seminar. Winston-Salem, NC.

**Gerson JR.** Feb 2018. “The Interaction of Mercury and Selenium Across Environmental Media.” Duke University Nicholas School of the Environment PhD Symposium 3-Minute Competition. Durham, NC.

**Gerson JR.** (Invited.) Dec 2017. “Le Mercure dans l’Orpaillage Artisanal à Sénégal.” Cheikh Anta Diop University of Dakar Environmental Science Seminar.

**Gerson JR**. (Invited.) Sep 2017. “Mercury, Methylation, and Mountains: Do Mercury Patterns Differ Across Temporal and Elevational Gradients?” University of North Carolina at Greensboro Biology Department Seminar. Greensboro, NC.

**Gerson JR**, Hsu-Kim H, Bernhardt ES, and Driscoll CT. July 2017. “Mercury Contamination from Artisanal Gold Mining in Senegal.” International Conference on Mercury as a Global Pollutant. Poster Presentation. Providence, RI.

**Gerson JR**, Driscoll CT, Demers JD, Sauer AK, and Montesdeoca MR. July 2017. “Elevational and Seasonal Patterns in Methylmercury Inputs and Production Across a Montane Forest Elevation Gradient,” International Conference on Mercury as a Global Pollutant. Oral Presentation. Providence, RI.

**Gerson JR**, Danfakha F, Hsu-Kim H, Bernhardt ES, and Driscoll CT. Apr 2017. “Mapping the Fate of Quicksilver: Mercury Contamination from Artisanal Gold Mining in Senegal.” American Association of Geographers. Invited Oral Presentation. Boston, MA.

**Gerson JR**, Driscoll CT, Demers JD, Sauer AK, and Montesdeoca MR. Apr 2016. “Elevational and Seasonal Patterns in Methylmercury Production Across the Montane Landscape of Whiteface Mountain in the Adirondack Region of New York,” Syracuse University Civil and Environmental Engineering Department Seminar. Oral Presentation. Syracuse, NY.

**Gerson JR**, Driscoll CT, Demers JD, Sauer AK, and Montesdeoca MR. Apr 2016. “Montane Mercury Patterns at Whiteface Mountain in the Adirondack Park of New York, ” NUNAN Research Day. Poster Presentation. Syracuse, NY.

**Gerson JR**, Driscoll CT, and Montesdeoca MR. Mar 2016. “Long-Term Mercury Dynamics in a Lake-Watershed in the Adirondack Region of New York,” Northeast Geologic Society of America. Oral Presentation. Albany, NY.

**Gerson JR**, Driscoll CT, and Montesdeoca MR. Mar 2016. “Temporal Patterns of Atmospheric Deposition and Lake Watershed Mercury of Arbutus Lake,” New York State Energy and Research Development Authority Fish Mercury Project Annual Meeting. Oral Presentation. Syracuse, NY.

**Gerson JR**, Driscoll CT, Demers JD, Sauer AK, and Montesdeoca MR. Mar 2016. “Biological Mercury Hotspots Across an Elevational Gradient at Whiteface Mountain in the Adirondacks,” Adirondack Research Forum. Poster Presentation. Old Forge, NY.

**Gerson JR**. Feb 2016. “Assessing Biological Mercury Hotspots in Montane Ecosystems of the Northern Forest,” Syracuse University Three Minute Thesis Competition. Oral Presentation. Syracuse, NY.

**Gerson JR**, Driscoll CT, and Montesdeoca MR. Nov 2015. “Influence of Watershed Characteristics on Mercury Dynamics in Arbutus Lake,” Syracuse University Civil and Environmental Engineering Department Seminar. Oral Presentation. Syracuse, NY.

**Gerson JR**, Driscoll CT, and Roy KM. Oct 2015. “Patterns of Nutrient Dynamics in Adirondack Lakes Recovering from Acidification by Acid Deposition,” International Conference on Acid Rain. Oral Presentation. Rochester, NY.

**Gerson JR**, Driscoll CT, and Roy KM. Aug 2015. “Nutrient Dynamics in Adirondack Lakes Recovering from Acidification by Acid Deposition,” Ecological Society of America Annual Meeting. Oral Presentation. Baltimore, MD.

**Gerson JR,** Driscoll CT, Demers JD, Sauer AK, Montesdeoca MR, Blackwell BD, Shanley JB, and Ross DS. Jun 2015. “Assessing Biological Mercury Hotspots in a Montane Ecosystem of New York, USA,” International Conference on Mercury as a Global Pollutant. Poster Presentation. Jeju, South Korea.

**Gerson JR**, Dricoll CT, and Montesdeoca MR. Jun 2015. “Influence of Watershed Characteristics on Mercury Dynamics in a New York Lake, USA,” International Conference on Mercury as a Global Pollutant. Poster Presentation. Jeju, South Korea.

**Gerson JR**, Driscoll CT, and Roy KM. Apr 2015. “Patterns of Nutrient Dynamics in Adirondack Lakes Recovering from Acid Deposition,” Syracuse University Civil and Environmental Engineering Department Seminar. Oral Presentation. Syracuse, NY.

**Gerson JR**, Driscoll CT, and Roy KM. Apr 2015. “Altered Nutrient Limitation Patterns in Adirondack Lakes Experiencing Decreased Acid Deposition,” NUNAN Research Day. Poster Presentation. Syracuse, NY.

**Gerson JR**, Driscoll CT, and Roy KM. Mar 2015. “Nutrient Dynamics in Adirondack Lakes Recovering from Acidification by Acid Deposition,” Northeastern Ecosystem Research Consortium. Poster Presentation. Saratoga Springs, NY.

**Gerson JR**, Driscoll CT, and Roy KM. Mar 2015. “Nutrient Dynamics in Adirondack Lakes Recovering from Acidification by Acid Deposition,” Adirondack Research Forum. Poster Presentation. Old Forge, NY.

**Gerson JR**, Driscoll CT, and Roy KM. Mar 2015. “Adirondack Lake Nutrient Limitation Patterns Associated with Decreased Acid Deposition,” Graduate Research Symposium. Poster Presentation. Syracuse, NY.

**Gerson JR** and Bender M. Feb 2012*.* “Measuring Net Community Production in the Southern Ocean as a Function of O2/Ar Ratio,*”* Council for Scientific and Industrial Research Symposium. Oral Presentation. Capetown, South Africa.

**Gerson JR** and Baptiste A. Apr 2011. "Preliminary Results of Concerns, Perceptions and Adaptation of Fishermen to Climate Change in Trinidad and Tobago," Association of American Geographers' Annual Meeting. Poster Presentation. Seattle, WA.

**Gerson JR** and Woods III E. Apr 2011. “The Uptake of Pyrene Molecules onto NaCl and NaNO3 Aerosol Particles,” Colgate University Chemistry Department Seminar. Oral Presentation. Hamilton, NY.

**Gerson JR** and Baptiste A. Mar 2011. "Preliminary Results of Concerns, Perceptions and Adaptation of Fishermen to Climate Change in Trinidad and Tobago," Colgate University Environmental Symposium. Poster Presentation. Hamilton, NY.

**Gerson JR**, Cardillo M, Fox C, and Thomas R. Aug 2010. “Ecosystem Analysis of Red Pine Plantations in Central New York,” Huyck Preserve and Biological Research Station Summer Colloquium. Oral Presentation. Rensselaerville, NY.

**Gerson JR** and Rowlett R. Apr 2010. “Human Carbonic Anhydrase II as a Model System for Targeted Imaging and as a Therapeutic Agent,” Colgate University Chemistry Department Seminar. Oral Presentation. Hamilton, NY.

**Gerson JR**, Fernley A, McCrory C, and Parry H. Apr 2010. “Strategic Land Conservation Plan,” Cazenovia Preservation Foundation Board of Directors Meeting. Oral Presentation. Cazenovia, NY.

**WORKSHOP PRESENTATIONS**

Lee-Glauser G, **Gerson JR**,Kiffle ZB.(Invited) Oct 2015. “Grant Writing Workshop for Graduate Students,” Syracuse University American Society for Engineering Education. Panel Presentation. Syracuse, NY.

**Gerson JR**. (Invited) Jun 2015. “How to Write a Research Abstract,” Syracuse University Research Program for Undergraduate Students’ Weekly Seminar. Oral Presentation. Syracuse, NY.

**Gerson JR**. Feb 2014. “Planning and Implementing Girls’ Clubs to Promote Education for Senegalese Middle School Students,” Peace Corps Senegal Annual Training for All Serving Volunteers. Oral Presentation. Thies, Senegal.

**Gerson JR**. (Invited) Feb 2014. “Teaching Health Education in Senegalese Primary Schools,” Peace Corps Senegal Annual Training for All Serving Volunteers. Oral Presentation. Thies, Senegal.

**Gerson JR**. (Invited) Apr 2013. “Common Childhood Illnesses in Senegal: Teaching Prevention and Awareness,” Peace Corps Senegal In-Service Training for New Volunteers. Oral Presentation. Thies, Senegal.

**Gerson JR** and Pedersen CJ. Mar 2013. “Becoming a Youth Peer Reproductive Health Educator,” Medina Sabakh and Poste Keur Ayip High Schools’ Youth Training (conducted in the local language of Wolof). Oral Presentation. Poste Keur Ayip, Senegal.

Bigwood A, **Gerson JR**, Powell K. Feb 2013. “Becoming a Water, Sanitation, and Hygiene Educator,” Regional Water, Sanitation, and Hygiene Training for Senegalese Health Workers. Oral Presentation (conducted in the local language of Wolof). Nioro du Rip, Senegal.

**COMMUNITY OUTREACH PRESENTATIONS**

**Gerson JR**. Mar 2015. “Water, Climate Change, and You,” Nottingham High School. Oral Presentation. Syracuse, NY.

**Gerson JR**. (Invited) Oct 2014. “Organic Bonds: From Colgate to Peace Corps to Grad School,” Colgate University Chemistry Seminar. Oral Presentation. Hamilton, NY.

**Gerson JR**. May 2014. “A Home Away from Home: My Experiences as a Peace Corps Volunteer in Senegal,” Van Der Veer Elementary School. Oral Presentation. Somerville, NJ.

**Gerson JR**. 2012-2014. “Preventing Malaria and Improving Health,” Senegalese Women’s Group Meetings and Hospital Trainings for Women. Oral Presentation (conducted monthly in the local language of Wolof). Keur Serigne Thioye, Senegal.

**Gerson JR**. 2012-2014. “The Miracle Tree: How the Moringa Plant Improves Health,” Senegalese Women’s Group Meetings. Oral Presentation (conducted weekly in the local language of Wolof). Farfenni, Gambia.

Curcuruto L and **Gerson JR**. Feb 2013. “Nioro du Rip Action Plan,” Peace Corps Senegal Annual Training for All Serving Volunteers. Oral Presentation. Thies, Senegal.

**Gerson JR**. Jan 2013. “Hygiene and Nutrition,” Senegalese Primary School Health Enrichment Program (conducted in the local language of Wolof). Oral Presentation. Keur Serigne Thioye, Senegal.

**HONORS, SCHOLARSHIPS, AND TRAVEL GRANTS**

2018 *Center for Latin American and Caribbean Studies Tinker Research Travel Grant Award* – Duke University ($1000)

2018 *Duke University Graduate School Conference Travel Award ­*– Duke University ($1000)

2018 *Duke University Center for International and Global Studies Research and Training Grant* – Duke University ($1000)

2017 *Student* *Travel Grant* – International Conference on Mercury as a Global Pollutant ($925)

2017 *Center for Latin American and Caribbean Studies Tinker Research Travel Grant Award* – Duke University ($1900)

2016 *Student Travel Award* – Northeast Geologic Society of America ($90)

2016 *Graduate Student Organization Travel Grant* – Syracuse University ($367)

2015-2016 *Education Model Program on Water-Energy Research (EMPOWER) National Science Foundation National Research Traineeship* – Syracuse University

2015 *Richard A. Herbert Memorial Scholarship* – American Water Resources Association($2000)

2015 *Graduate Student Organization Travel Grant* – Syracuse University ($300)

2015 *Nunan Graduate Student Travel Grant* – Syracuse University($1000)

**OTHER PROFESSIONAL EXPERIENCE**

Summer 2016 Wilderness Adventures, *Trip Leader* – Anchorage, AK

Summer 2014 Wilderness Adventures, *Trip Leader* – Seattle, WA

Fall 2011 Nature’s Classroom, *Environmental Sciences Teacher* – Groton, MA

Summer 2011 Wilderness Adventures, *Trip Leader* – Jackson, WY

2008-2011 Outdoor Education, *Orientation and Program Leader* – Colgate University

2008-2011 Writing and Speaking Center, *Peer Advisor* – Colgate University

Summer 2008 Global Volunteer Network, *French Teacher* – Dawhenya, Ghana

**SERVICE**

2017-present Duke Ecology Seminar, *Co-coordinator* – Duke University

2016-present Girls on Outdoor Adventures for Leadership and Science, *Founder and Director ­*– Duke University

2015-present Exploring Our World: 4th Grade Science Day*, Coordinator* – Somerville, NJ

2017-2018 Duke Nicholas PhD Advocacy Council, *Faculty Liaison* – Duke University

2016-2018 Duke Biology Outreach, *Board Member* – Duke University

2016-2017 Females Excelling More in Math Engineering and Science, *Mentor –* Duke University

2016-2017 Durham Women and Mathematics Mentoring Program, *Mentor* – Duke University

2016-2017 Student Committee, *Board Member* – International Conference on Mercury as a Global Pollutant

2016 Duke Ecology Symposium, *Co-organizer* – Duke University

2015-2017 1000 Girls, 1000 Futures, *STEM Mentor* – New York Academy of Sciences

2015-2017 ESA Student Section*, Biogeochemistry Liaison* – Ecological Society of America

2015-2016 Biogeochemistry Journal Group, *Coordinator* – Syracuse University

2015 Ying Tri-Regional Science and Engineering Fair, *Judge* – Syracuse, NY

2014-2016 Big Brothers Big Sisters, *Mentor* – Syracuse, NY

2014-2016 Science Corps, *STEM Mentor* – Syracuse University

2009 Finding Money for Social Change, *Grants Advisor*– Colgate University

2007-2011 Students for Fiver, *Mentor* – Colgate University

2007-2011 Campus Ecology Group, *Activity Coordinator* – Colgate University

2007-2011 Colgate Hunger Outreach Program, *Board Member* – Colgate University

**CERTIFICATIONS**

Duke Global Health Doctoral Certificate (in progress)

Duke Certificate in College Teaching (in progress)

Teaching English as a Foreign Language (TEFL)

Wilderness First Responder (WFR)

**LANGUAGES**

French, professional written and oral proficiency

Wolof (Senegalese local language), professional oral proficiency

Spanish, conversational

**PROFESSIONAL MEMBERSHIP**

Explorer’s Club

Geologic Society of America

Graduate Women in Science

Society for Freshwater Science

Women in Science and Engineering at Duke