

# David J.X. Gonzalez, MS, MEd

PhD Student, Emmett Interdisciplinary Program in  
Environment and Resources, Stanford University  
473 Via Ortega, Stanford, CA 94305

Email: [djxgonz@stanford.edu](mailto:djxgonz@stanford.edu)  
ORCID: 0000-0003-4457-0964  
Updated: October 2019

## Education

---

- PhD **Stanford University**, School of Earth, Energy, and Environmental Sciences  
Emmett Interdisciplinary Program in Environment and Resources, 2021  
Co-Advisors: Mark Cullen, Marshall Burke  
Qualifying fields: Environmental Epidemiology, Applied Econometrics
- MS **Stanford University**, School of Medicine  
Epidemiology and Clinical Research, Global Health Concentration, 2018  
Thesis: Oil and gas drilling and risk of preterm birth in the San Joaquin Valley, California
- MEd **Yale University**, School of Forestry and Environmental Studies  
Environmental Science, Global Health Concentration, 2015  
Thesis: Mercury exposure and risk among women of childbearing age in the Peruvian Amazon
- BS **University of California at Davis**, College of Biological Sciences  
Evolution and Ecology (Honors), 2011  
Thesis: Effects of global change on alpine microbial communities and nitrogen cycling

## Research Interests

---

environmental epidemiology; perinatal epidemiology; global health; applied econometrics;  
environmental science; social determinants of health; environmental justice; health disparities

## Refereed Journal Articles

---

- [3] **Gonzalez, David J.X.**, Aubrey Arain, and Luis E. Fernandez. 2019. Mercury exposure, risk factors, and perceptions among women of childbearing age in an artisanal gold mining region of the Peruvian Amazon. *Environmental Research*.
- [2] Marklein, Alison R., Joy B. Winbourne, Sara K. Enders, **David J.X. Gonzalez**, Tiff L. van Huysen, Jorge E. Izquierdo, Derrick R. Light, Daniel Liptzin, Kimberley E. Miller, Scott L. Morford, Robert A. Norton, and Benjamin Z. Houlton. 2015 Mineralization ratios of nitrogen and phosphorous from decomposing litter in temperate versus tropical forests. *Global Ecology and Biogeography*.
- [1] Farrer, Emily C., Isabel W. Ashton, Marko J. Spasojevic, Shiyang Fu, **David J.X. Gonzalez**, and Katharine N. Suding. 2015. Indirect effects of global change

accumulate to alter plant diversity but not ecosystem function in alpine tundra. *Journal of Ecology*.

### Other Publications

---

- [6] **David J.X. Gonzalez.** February 2018. [Treaty Does Not Stop Illicit Mercury Trade in South America](#). *YaleGlobal*.
- [5] **David J.X. Gonzalez.** February 2016. [Opportunities, Not Oppression, to Stop Illegal Mining in the Peruvian Amazon](#). *YaleGlobal*.
- [4] **David J.X. Gonzalez.** February 2016. [How Scientific Activism Helped Bring Flint's Lead Crisis to Light](#). *ActivistLab*.
- [3] **David J.X. Gonzalez** and Emma Roth. [Fear in the time of Ebola](#). December 2015. *Yale Daily News*.
- [2] Alexander Abdo, Esha Bhandari, Jay Stanley, Samantha Batman, Ryan Boyko, Erinma Kalu, Emma Roth, Rose Carmen Goldberg, and **David J.X. Gonzalez.** 2015. [Fear, Politics, and Ebola: How Quarantines Hurt the Fight Against Ebola and Violate the Constitution](#). American Civil Liberties Union and the Yale Global Health Justice Program.
- [1] **David J.X. Gonzalez.** [Wind, Bile, and Phlegm](#). March 2014. *Sage Magazine*.

### Manuscripts Under Review

---

- [1] **Gonzalez, David J.X., Allison R. Sherris, Wei Yang, David K. Stevenson, Amy M. Padula, Michael Baiocchi, Marshall Burke, Mark R. Cullen, and Gary M. Shaw.** Oil and gas drilling and risk of spontaneous preterm birth in the San Joaquin Valley, California: A case-control study.

### Grants and Fellowships

---

- 2019-21 Diversifying Academia, Recruiting Excellence (DARE) Doctoral Fellowship Program, Stanford University (\$92,000 + tuition)
- 2016-20 Stanford Graduate Fellowship in Science & Engineering, Stanford University (\$120,000 + tuition)
- 2016-19 Ford Foundation Predoctoral Fellowship, The National Academies of Sciences, Engineering, and Medicine (\$72,000)
- 2016-18 Enhancing Diversity in Graduate Education (EDGE) Doctoral Fellowship, Stanford University (\$5,500)

2015-16 Fox International Fellowship, Yale University and El Colegio de México (\$20,000)

2007-11 Regents Scholar, UC Davis (\$30,000)

### Awards and Honors

---

2019-20 Graduate Scholar-in-Residence, El Centro Chicano y Latino, Stanford University

2017-18 Graduate Public Service Fellow, Haas Center for Public Service, Stanford University

Pre-PhD Alumni Association Board Scholarship, Yale School of Forestry & Environmental Studies; Pinkerton Prize for Environmental Education, UC Davis; Integrated Studies Honors Program, UC Davis; National Hispanic Scholar; National Merit Scholar

### Presentations

---

#### Invited Talks

- [5] Latinxs and the Environment Summit: Designing Our Future. April 27, 2019. Panel 4: Health and the Environment: Collective action for healthier communities. UC Berkeley, Berkeley, CA, USA. (*Panelist*)
- [4] Epidemiology Seminar Series, Faculty of Medicine, National Autonomous University of Mexico. May 2016. A Toxic Supply Chain: The health impacts of artisanal gold and mercury mining in Latin America. Mexico City, Mexico. (*Individual talk*)
- [3] 2nd Forum on Mercury and Environmental Public Health in Madre de Dios, National Amazonian University of Madre de Dios. November 2015. Mercury and women's health in Madre de Dios, Peru. Puerto Maldonado, Peru. (*Individual talk in Spanish*)
- [2] A systematic review of studies of mercury contamination and exposure in Madre de Dios, Peru. March 2015. International Congress on Global Environmental Health, Lima, Peru. (*Individual talk in Spanish*)
- [1] 1st Forum on Mercury and Public Health in Madre de Dios, National Amazonian University of Madre de Dios. November 2014. Mercury exposure among women of childbearing age in urban communities of Madre de Dios, Peru. Puerto Maldonado, Peru. (*Individual talk in Spanish*)

#### Refereed Conference Presentations

- [5] **David J.X. Gonzalez**, Allison R. Sherris, Wei Yang, Marshall Burke, Mark R. Cullen, Gary M. Shaw. August 2019. Oil and gas development activity and spontaneous preterm birth risk in California. Annual Meeting of the International Society for Environmental Epidemiology (ISEE), Utrecht, The Netherlands.
- [4] **David J.X. Gonzalez**, Allison R. Sherris, Wei Yang, David K. Stevenson, Michael Baiocchi, Marshall Burke, Mark R. Cullen, Gary M. Shaw. June 2019. Oil and gas

drilling and spontaneous preterm birth in the San Joaquin Valley, California. Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research (SPER), Minneapolis, Minnesota, USA.

- [3] **David J.X. Gonzalez** and Aubrey Langeland. July 2017. Mercury exposure in women of childbearing age in an artisanal gold mining region of the Peruvian Amazon: A cross-sectional study. International Conference on Mercury as a Global Pollutant, Providence, Rhode Island, USA.
- [2] **David J.X. Gonzalez** and Luis Fernandez. June 2015. Trends of mercury exposure in the Peruvian Amazon: Mercury studies of humans and the environment, 1993 to 2015. Association for Environmental Studies and Sciences (AESS), Annual Meeting, San Diego, California, USA.
- [1] **David J.X. Gonzalez**, Katharine N. Suding, and Benjamin Z. Houlton. August 2011. Global change effects on alpine microbial communities and nitrogen cycling. Ecological Society of America, Annual Meeting, Austin, Texas, USA.

### Teaching Experience

---

- Su 2019 **Instructor**, Graduate School Preparation: The Rhetoric of Research, Summer Undergraduate Research in Geoscience and Engineering (SURGE), Stanford University
- Sp 2019 **Instructor**, Introduction to Spatial Analysis in R, School of Earth, Energy, and Environmental Sciences, Stanford University (*initiated workshop*)
- W 2019 **Instructor**, Shades of Green: Redesigning and Rethinking the Environmental Justice Movements, Urban Studies Program, Stanford University
- F 2018-  
W 2019 **Instructor**, Building a Successful Academic Career, Undergraduate Advising and Research, Stanford University
- Sp 2018 **Teaching Assistant**, Theory and Practice of Environmental Education, School of Education, Stanford University
- W 2018 **Teaching Assistant**, Shades of Green: Redesigning and Rethinking the Environmental Justice Movements, Urban Studies Program, Stanford University
- F 2017-  
W 2018 **Instructor**, Building a Successful Academic Career, Undergraduate Advising and Research, Stanford University
- Su 2015 **Teaching Assistant**, Urban Ecosystem Analysis, School of Forestry & Environmental Studies, Yale University

\*F, fall; W, winter; Sp, spring; Su, summer

### Research Experience

---

- 
- 2017-     **Research Assistant**, Center for Energy, Environment, and Sustainability, Wake Forest University
  - 2015-16   **Visiting Scholar**, El Colegio de México
  - 2014-15   **Mercury Specialist**, Department of Global Ecology, Carnegie Institution for Science
  - 2011       **Junior Specialist**, Global Ecology Lab, UC Davis
  - 2010       **Undergraduate Research Fellow**, Mountain Research Station, University of Colorado, Boulder
  - 2009       **Undergraduate Research Fellow**, Smithsonian Environmental Research Center

---

#### **Departmental and University Service**

---

- 2019-     Wellness Liaison, School of Earth, Energy, and Environmental Sciences, Stanford University
- 2017-     Coordinator, Frosh Scholars Program, El Centro Chicano y Latino, Stanford University
- 2017-     Student Representative, Graduate Recruitment and Diversity (GRAD) Day Planning Committee, Stanford University

---

#### **Other Service and Volunteering**

---

- 2017-     Interpreter (Spanish-English), Stanford-Pescadero School Community Interpretation Partnership, Pescadero, CA
- 2017-     Volunteer Tutor, East Palo Alto Tennis and Tutoring, Palo Alto, CA
- 2017       Interpreter (Spanish-English), Immigrants' Rights Clinic, Stanford Law School

---

#### **Memberships**

---

- International Society for Environmental Epidemiology (ISEE)
- Society for Epidemiologic Research (SER)
- Society for Pediatric and Perinatal Epidemiologic Research (SPER)
- Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS)

---

#### **Certifications**

---

- Wilderness First Responder, Wilderness Medicine Institute of NOLS
- Rescue Diver, PADI

## Language

---

English, native speaker

Spanish, fluent, written and spoken