

Stacy Jørgensen · PhD MPH

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Social-Environmental Scientist and Educator with over twenty-five years of research, education, and project experience in environmental science, natural resource management and conservation, epidemiology, maternal and child health, health geography, and program evaluation.

Education

Doctor of Philosophy Geography · University of Georgia · 2002

Master of Public Health Epidemiology · University of Texas Health Science Center at Houston · 2016

Master of Science Botany · University of Georgia · 1996

Bachelor of Science Wildlife Biology · University of Montana · 1992

Academic Positions

Assistant Professor of Instruction Public Health Program, University of Texas at Austin · Austin, Texas · 8/2021-present

- Teaches a variety of undergraduate public health courses delivered through a mix of in-person and e-learning approaches.
- Provides service to the university through activities such as serving as primary faculty member for multiple Bridging Disciplines Program students and being an thesis advisor or official reader for an honors thesis student

Senior Lecturer Department of Political Science and Geography, University of Texas at San Antonio · San Antonio, Texas · 8/2019-2022

- Taught advanced undergraduate course in medical and health geography delivered through in-person and e-learning approaches.

Assistant Professor Department of Geography and Environment, University of Hawai'i at Mānoa · Honolulu, Hawai'i · 8/2004-7/2015

- Provided leadership for initiatives that improved graduate and undergraduate degree programs and ensured compliance with directives from our regional accreditation body.
- Formally advised ca. 20 graduate students on social-environmental research projects and provided mentoring for many others through a course on research methods and design.

Visiting Assistant Professor Department of Geography, Ohio University · Athens, Ohio · 1/2002-6/2004

- Taught a variety of undergraduate and graduate-level geography courses.
- Provided mentoring to graduate students.

Courses Taught

The University of Texas at Austin

Introductory undergraduate: Introduction to Public Health

Advanced undergraduate: Environmental Health; Maternal and Child Health; Project Management, Planning, and Evaluation; Public Health Informatics

The University of Texas at San Antonio

Advanced undergraduate: Medical Geography

University of Hawai'i at Mānoa

Introductory undergraduate: The Natural Environment

Advanced undergraduate: Cultural Biogeography; Agriculture, Food, and Society; Introduction to Biogeography; Statistical Methods in Geography; Evolutionary Biogeography

Graduate: Research Design and Methods; Research Seminar in Evolutionary Biogeography; Research Seminar in Landscape Biology; Seminar in Geography of the Pacific

Ohio University

Undergraduate: Physical Geography; Introduction to Weather; Maps

Advanced undergraduate and graduate: Biogeography; Landscape Ecology; Seminar in Evolutionary Biogeography; Seminar in Resource Management

Professional Positions

Contact Tracing Manager Emerging and Acute Infectious Diseases, Texas Department of State Health Services · Austin, Texas · 10/2020-7/2021

- Directed epidemiological analyses and application development for the state's contact tracing system for Covid-19 and other emerging and acute infectious diseases.
- Ensured accurate and meaningful reporting to agency leadership and external funding partners including the CDC.

Data Analytics Manager Health and Developmental Services, Texas Health and Human Services · Austin, Texas · 11/2017-9/2020

- Directed a team providing reporting, program evaluation, and research project management for a dozen health and disability-related programs primarily serving women and children.
- Led the development of department and agency process improvements to simplify and increase the timeliness and accuracy of mandatory state and federal program reporting.

Epidemiologist Environmental and Injury Epidemiology, Texas Department of State Health Services · Austin, Texas · 12/2015-11/2017

- Conducted complex epidemiological analyses of large datasets to create reports, presentations, manuscripts, and interactive visualizations for a variety of audiences.
- Served in a Hurricane Harvey response role examining direct and indirect deaths as well as helping coordinate the state and EPA's analyses of environmental contamination.

Botanist Ecological Services, US Fish and Wildlife Service · Honolulu, Hawai'i · 8/1999-3/2000

- Determined critical habitat for over 250 threatened and endangered Hawaiian plant taxa as part of a collaborative team of botanists and GIS specialists.
- Developed a multi-species designation approach based on ecological and geographical considerations, which improved the efficiency and scientific rigor of the designation process.

Biologist Region 1 Office, US Forest Service · Missoula, Montana · 4/1992-5/1994

- Managed an ecological team responsible for surveys in western and central Montana for an ecosystem management project designed to ensure scientifically sound forest management.
- Developed and implemented training activities for field staff to ensure data collection standards and continually worked with field data collection teams to improve data quality.

Additional Experience

- **Health Policy Intern** Children's Defense Fund – Texas · Austin, Texas · Summer 2015
- **Graduate Teaching Assistant** University of Georgia · Athens, Georgia · 1994-2001
- **Botanist** US Forest Service · Grand Rapids, Minnesota · Summer 1994
- **Biological Technician** US Forest Service · Huson, Montana · Summer 1991

Reports and Publications

Public Health

Seil K, Jørgensen S (2017) Heat-related mortality among residents and nonresidents using death certificates – Texas, 2006-2014. Office of Injury Prevention, Texas Department of State Health Services [Internal report]

Jørgensen S, McAfee D, Seil K, Bayleyegn T, Alva H (2017) Early assessment of Hurricane Harvey-related mortality in Texas, August-September 2017. Office of Injury Prevention, Texas Department of State Health Services [Internal report]

Jørgensen S (2017) Opioid-related mortality trends in Texas, 1999-2015. Texas Injury Data Brief. Office of Injury Prevention, Texas Department of State Health Services

Jørgensen S (2017) Unintentional falls among adults aged 65 years and older in Texas. Texas Injury Data Brief. Injury Epidemiology & Surveillance Branch, Texas Department of State Health Services

Jørgensen S (2017) Pediatric Summary Report 2015. Texas EMS & Trauma Registries. Injury Epidemiology & Surveillance Branch, Texas Department of State Health Services

Jørgensen S, Dao D (2016) Pediatric Summary Report, 2014. Texas EMS & Trauma Registries. Injury Epidemiology & Surveillance Branch, Texas Department of State Health Services

Jørgensen S, Seil K, Dao D (2016) Texas Burden of Injury Report – 2013. Injury Epidemiology & Surveillance Branch, Texas Department of State Health Services

Jørgensen S, Seil K, Dao D (2016) Motor vehicle crashes in Texas involving non-occupants, 2013. Injury Epidemiology & Surveillance Branch, Texas Department of State Health Services

Jørgensen S, Dao D, Hall E, Archer N (2016) Motor vehicle crashes in Texas involving pedal cyclists, 2013. Injury Epidemiology & Surveillance Branch, Texas Department of State Health Services

Porter AK, Matthews K, Jørgensen S, Hughes C (2015) Associations of physical activity, sedentary time, and screen time with cardiovascular fitness in United States adolescents: results from the NHANES National Youth Fitness Survey

Environment

Wedding LM, Jørgensen S, Lepczyk C, Friedlander AM (2019) Remote sensing of three-dimensional coral reef structure enhances predictive modeling of fish assemblages. *Remote Sensing in Ecology and Conservation* 5:150-159

Bower AD, McLane SC, Eckert A, Jørgensen S, Schoettle A, Aitken A (2011) Conservation genetics of high elevation five-needle white pines. In Keane RE, Tomback DF, Murray MP, Smith C, eds. *The Future of High-elevation, Five-needle White Pines in Western North America: Proceedings of the High Five Symposium*. 28-30 June 2010; Missoula, MT. Proceedings RMRS-P-63. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, p. 98-117

Wedding L, Lepczyk CA, Pittman S, Friedlander A, Jørgensen S (2011) Quantifying seascape structure: extending terrestrial spatial pattern metrics to the marine realm. *Marine Ecology Progress Series* 427: 219-232

Jørgensen S, Mauricio R (2005) Genetic architecture of leaf shape: evidence from a Hawaiian hybrid population. *Genetica* 123: 171-179

Jørgensen S, Mauricio R (2004) Neutral genetic variation among wild North American populations of the weedy plant *Arabidopsis thaliana* is not geographically structured. *Molecular Ecology* 13: 3403-3413

Parker KC, Jørgensen S (2003) Examples of the use of molecular markers in biogeographic research. *Physical Geography* 24: 378-398

Jørgensen S, Hamrick JL, Wells PV (2002) Regional patterns of genetic variability in *Pinus flexilis* (Pinaceae) reveal complex species history. *American Journal of Botany* 89: 792-80

Jørgensen S, Hamrick JL (1997) Biogeography and population genetics of whitebark pine, *Pinus albicaulis*. *Canadian Journal of Forest Research* 27: 1574-1585

Presentations and Invited Seminars

Public Health

Guest Lecture, I320M: Public Health Informatics. University of Texas at Austin, 1/2023

Traumatic Brain Injury in Texas. Descriptive Epidemiology. Quarterly meeting of the Texas Traumatic Brain Injury Advisory Council, Austin, Texas, 10/2017

Trauma Hospitalizations, RAC E 2015. Quarterly meeting of the Texas Trauma Regional Advisory Council E, Arlington, Texas, 6/2017

Crash factors and injury outcomes among pedestrian-involved motor vehicle crashes in Texas in 2014. Council of State and Territorial Epidemiologists Annual Conference (with K Seil), 6/2017

Protected Health Information. State & Federal Regulations. Environmental Epidemiology and Disease Registries Section, Texas Department of State Health Services, Austin, Texas 9/2016

Age Issues Due to the Use of Improper Null Values for Birth Date. Injury Epidemiology and Surveillance Branch internal presentation, Austin, Texas, 8/2016

Reporting by Justices of the Peace Is Vital for Determining the Burden of Traumatic Injuries in Texas. Texas Justice Court Judges Education and Technology Conference, San Antonio, Texas, 7/2016

Motor Vehicle Traffic-Related Traumatic Injuries. Texas Transportation Planning Conference, Houston, Texas, 6/2016

Texas Pediatric Summary Report, 2014. Quarterly meeting of the Governor's EMS and Trauma Advisory Council (Pediatric Committee), Austin, Texas, 5/2016

Texas Burden of Injury, 2013. Safe Kids Austin, Austin, Texas, 5/2016

Environment

Chaos: Hawaiian biogeography of the red pencil urchin. Annual meeting of the Association of American Geographers, Seattle, Washington, 2011

Extending terrestrial spatial pattern metrics to the marine realm. Biennial meeting of the International Biogeography Society, Crete, Greece, 2011

Genetic and genomic patterns of differentiation in *Sida fallax* (Malvaceae) in Hawai'i. American Genetics Association Symposium: Conservation Genomics, Hilo, Hawai'i, 2010

The genetic structure of limber pine populations. High-Five Symposium: The Future of High-Elevation Five-Needle White Pines in Western North America, Missoula, Montana, 2010

Geographic patterns of genetic diversity of *Sida fallax* (Malvaceae) in the Hawaiian Islands. Annual meeting of the Society for the Study of Evolution, Moscow, Idaho, 2009

Landscape history and population genetic structure of the non-native weed *Arabidopsis thaliana* in the southeastern United States. Annual meeting of the Association of American Geographers, Las Vegas, Nevada, 2009

Genetic divergence as a spatially-structured and scale-dependent process. Department of Geography, Indiana State University, 2008

Islands as laboratories for understanding spatial evolutionary processes. Annual meeting of the Association of American Geographers, San Francisco, California, 2007

Population genetics meets geography: a spatially explicit approach to diversification. Department of Zoology, University of Hawai'i at Manoa, 2007

Patterns of genetic divergence among the diploid *Lipochaeta* (Asteraceae) determined from AFLP markers. Department of Botany, University of Hawai'i at Manoa, 2004

Evolutionary biogeography of the Hawaiian endemic nehe. Department of Geography, University of Hawai'i at Manoa, 2004

Pattern and process of speciation in the endemic Hawaiian sunflower *Lipochaeta*. Department of Geography, Ohio State University, 2004

A spatially explicit approach to population and conservation genetics. School of Natural Resources, Ohio State University, 2003

Evolutionary biogeography of the Hawaiian endemic *Lipochaeta* (Asteraceae). Annual meeting of the Society for the Study of Evolution, Urbana-Champaign, Illinois, 2002

Regional patterns of genetic variability in limber pine reveal complex species history. Annual meeting of the Association of American Geographers, Los Angeles, California, 2002

Regional patterns of genetic variability in limber pine reveal complex species history. Annual meeting of the Society for the Study of Evolution, Knoxville, Tennessee (with JL Hamrick), 2001

Geographic genetic diversity and conservation. Annual meeting of the Association of American Geographers, New York, New York, 2001

Elucidating geographic patterns of genetic diversity with a GIS approach. Annual meeting of the Association of American Geographers, Honolulu, Hawai'i, 1999

Certifications

Project Management Professional Project Management Institute, 2017-2026