



## ALEJANDRO ACEVEDO-GUTIERREZ

Western Washington University, Department of Biology, Bellingham, WA 98225-9160  
(360) 650-3653, [aceveda@wwu.edu](mailto:aceveda@wwu.edu); <https://wwu.edu/faculty/aceveda>

### Education

Postgraduate Researcher, University of California Santa Cruz. 1998-2001.

Ph.D., Wildlife & Fisheries Sciences, Texas A&M University. 1997.

Biól. Mar., Universidad Autónoma de Baja California Sur, Mexico. (B.Sc. Mar. Biol.). 1989.

### Appointments

Professor in Biology and Science Education, Western Washington University, 2013-Present.

Research Fellow, University of California Santa Cruz. 2001-present.

Associate Professor in Biology and Science Education, Western Washington University, 2007-2013.

Assistant Professor in Biology and Science Education, Western Washington University. 2002-2007.

Senior Aquatic Educator & Research Associate, California Academy of Sciences. 2001-2002.

### Selected Publications (out of 55) (<sup>1</sup>WWU undergraduate student, <sup>2</sup>WWU graduate student)

**Voelker, M.<sup>2</sup>**, Schwarz, D. Thomas, A., Nelson, B. & Acevedo-Gutiérrez, A. 2020. Large-scale molecular barcoding of prey DNA reveals environmental predictors of intrapopulation feeding diversity in a marine predator. *Ecology and Evolution* 10: 9867-9885.

Schwarz, D., **Spitzer, S.<sup>1</sup>**, Thomas, A., **Kohnert, C.<sup>2</sup>**, **Keates, T.<sup>1</sup>** & Acevedo-Gutiérrez, A. 2018. Large scale molecular diet analysis in a generalist marine mammal reveals male preference for prey of conservation concern. *Ecology and Evolution* 8: 9889-9905.

Carlén, I., Thomas, L., Carlström, J., Amundin, M., Teilmann, J., Tregenza, N., Tougaard, J., Koblitz, J.C., Sveegaard, S., Wennerberg, D., Loisa, O., Dähne, M., Brundiers, K., Kosecka, M., Kyhn, L.A., Ljungqvist, C.T., Pawliczka, I., Koza, R., Arciszewski, B., Galatius, A., Jabbusch, M., Laaksonlaita, J., Niemi, J., Lyytinen, S., Gallus, A., Benke, H., Blankett, P., Skóra, K.E., & Acevedo-Gutiérrez, A. 2018. Basin-scale distribution of harbour porpoises in the Baltic Sea provides basis for effective conservation actions. *Biological Conservation* 226: 43-53.

Chasco, B. E., Kaplan, I. C., Thomas, A. C., Acevedo-Gutiérrez, A., Noren, D. P., Ford, M. J., Hanson, M. B., Scordino, J. J., Jeffries, S. J., Marshall, K. N. Shelton, A. O., Matkin, C., Burke, B. J. & Ward, E. J. 2017. Competing tradeoffs between increasing marine mammal predation and fisheries harvest of Chinook salmon. *Scientific Reports* 7: 15439.

**Akmajian, A. M.<sup>2</sup>**, Scordino, J. J. & Acevedo-Gutiérrez, A. 2017. Year-round algal toxin exposure in free-ranging sea lions. *Marine Ecology Progress Series* 583: 243-258.

**Rothstein, A.<sup>2</sup>**, **McCoughlin, R.<sup>2</sup>**, Acevedo-Gutiérrez, A. & Schwarz, D. 2017. WISEPAIR: a computer program for individual matching in genetic tracking studies. *Molecular Ecology Resources* 17: 267-277.

**Moreno, K.<sup>1</sup>** & Acevedo-Gutiérrez, A. 2016. The social structure of Golfo Dulce bottlenose dolphins (*Tursiops truncatus*) and the influence of behavioural state. *Royal Society Open Science* 3: 160010.

Bjorland, R. H., Pearson, S. F., Jeffries, S. J., Lance, M. M., Acevedo-Gutiérrez, A. & Ward, E. J. 2015. Stable isotope mixing models elucidate sex and size effects on the diet of a generalist marine predator. *Marine Ecology Progress Series* 526: 213-225.

**Wilson, K.<sup>2</sup>**, Lance, M., Jeffries, S. & Acevedo-Gutiérrez, A. 2014. Fine-scale variability in harbor seal foraging behavior. *PLoS ONE* 9: e92838.

**Peterson, S. H.<sup>2</sup>**, Lance, M. M., Jeffries, S. J. & Acevedo-Gutiérrez, A. 2012. Long distance movements and disjunct spatial use of harbor seals (*Phoca vitulina*) in the inland waters of the Pacific Northwest. *PLoS ONE* 7: e39046.

**Thomas, A.<sup>2</sup>**, Lance, M. M., Jeffries, S. J., Miner, B. & Acevedo-Gutiérrez, A. 2011. Harbor seal foraging response to a seasonal resource pulse, spawning Pacific herring. *Marine Ecology Progress Series* 441: 225-239.

Acevedo-Gutiérrez, A., Acevedo, L., & Boren, L. 2011. Effects of the presence of official-looking volunteers on harassment of New Zealand fur seals. *Conservation Biology* 25: 623-627.



## Synergistic Activities

- At WWU, secured \$3,107,894 in external and \$78,699 in internal funding as PI or co-PI. Mentored 19 MSc students, 37 undergraduates, 1 foreign student and 1 high-school teacher (81% women), producing 21 student-authored, refereed papers, 20 student-authored, refereed presentations, and 91 presentations at student scientific meetings; incorporated 157 undergraduate research assistants (72% women); member of 10 MSc and 3 PhD theses committees. Mentor of 3 High School Senior Projects. At California Academy of Sciences, developed curricula for K-12 teachers, taught docent classes, trained volunteers, led summer camps, conducted presentations, and judged National Youth Science Camp and science fairs. University-level courses taught at the School for Field Studies and Universidad Complutense, Spain. Award for Academic Excellence by the Universidad Autónoma de Baja California Sur, Mexico (2002). *2019 Arlan Norman Award for Excellence in Student Mentoring*, Western Washington University.
- Panelist for NSF, NOAA and a regional agency. Given 38 seminars and guest lectures to scientists and institutions of higher education in 5 different countries. Given 58 presentations at 38 professional meetings in 6 countries. Reviewed 113 manuscripts for 38 journals, 34 proposals for 8 organizations, 2 book chapters, 84 abstracts for conferences; developed and reviewed GRE questions. Top Minority in Science by CAREER Communications Group (2005); MOSI's National Hispanic Scientist of the Year (2001). Awards for Excellence in Research by the State of Baja California Sur and the City of La Paz, Mexico (2002). Key to the City of Tampa (2001).
- Broadened the participation of underrepresented groups in the science by giving talks and presentations in English and Spanish to >12,000 students and families on science as a career; 115 have been to schools (Pre-K to 12), mostly public or inner-city, and 107 to museums, businesses and conservation institutes.
- Advised 10 conservation and scientific organizations in USA and Costa Rica. Wrote and spearheaded the initial draft of the regulations of marine mammals in Costa Rica. National Board of Directors, Museum of Science & Industry, Tampa, USA.
- Advisor and scientist-on-camera in four different educational films, including Telly Award and Silver CINDY Award winner *Marine Science: Exploring the Deep* and Academy-Award nominee and Silver WorldMedal winner *Dolphins*. Guest of 26 media shows, 106 interviews given to local, regional, national and international outlets, including TV, radio, print and internet.

## Mentored Students

### Department of Biology, Western Washington University

*MSc students (out of 19 total):* Madelyn Voelker (Program Coordinator, Ocean Research College Academy), Adrienne Akmajian (Marine Ecologist, Makah Tribe), Kat Nikolich (PhD student, Univ. of Victoria), Andrew Rothstein (PhD student, Univ. California Berkeley), Dr. Erin D'Agnese (Adjunct Researcher, University of Tasmania), Jennifer Olson (Marine Science Instructor, Ocean Research College Academy), Dr. Austen Thomas (Research Scientist, Smith Root), Sasha Ertl (Biologist, Grette Associates), Sarah Howard (Biologist, National Park Service), Dr. Kenady Wilson (Research Scientist, Wildlife Computers), Dr. Sarah Peterson (Wildlife Biologist, US Geological Survey), Adria Banks (Quantitative Analyst, Ecotope).

*Undergraduate students (out of 37 total):* Alisa Aist (Official, Alaska Department of Fish and Wildlife), Rachel Wachtendonk (MSc student, Universidade do Algarve), Sara Spitzer (Associate Scientist, Illumina Inc.), MSc Ashlyn Teather (MSc from Univ. Minnesota Duluth), Nathan Moore (Science Teacher, Byhalia Middle School), Erin Stehr (Puget Sound Corps Team Lead, Washington Department of Natural Resources), Raven Benko (MSc student, Univ. Washington), Dr. Kelsey Moreno (Postdoctoral Researcher, Tel Aviv University), Erika Winner (MSc student Univ. Minnesota Duluth), Bobbie Buzzell (MSc student Western Washington Univ.), MSc Kelly Cates (Fisheries Management Specialist, NOAA Fisheries Alaska), Kevin Eyer (Science Teacher, North Kitsap High School), MSc Christopher Vennum (PhD student, Colorado State Univ.), Sara Cendejas-Zarelli (Biologist, The Lower Elwha Klallam Tribe), Dr. James Soda (Assistant Professor, Quinnipiac University), Dr. Jessie Perry (Physical Therapist, Valley Physical Therapy), Dr. Sarah Myhre (Postdoctoral Researcher, Univ. Washington), MSc Amber Johnson (MSc from Oregon State Univ.), MSc Alyssa Matthews (MSc from Univ. Washington).