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## 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 61) (<sup>1</sup>WWU undergraduate student, <sup>2</sup>WWU graduate student)

**Freeman, G.<sup>2</sup>, Matthews, E.<sup>1</sup>, Stehr, E.<sup>1</sup> & Acevedo-Gutiérrez, A.** 2022. Individual variability in foraging success of a marine predator informs predator management. *Scientific Reports* 12: 11184.

**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.

Bjorkland, 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.



## Synergistic Activities

- At WWU, secured \$3,107,894 in external and \$84,569 in internal funding as PI or co-PI. Mentored 21 MSc students, 39 undergraduates, 1 foreign student and 1 high-school teacher, producing 24 student-authored, refereed papers, 24 student-authored, refereed presentations, and 109 presentations at student scientific meetings; incorporated 202 undergraduate research assistants; member of 11 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, Barry Goldwater Foundation, and a regional agency. Given 39 seminars and guest lectures to scientists and institutions of higher education in 5 different countries. Given 65 presentations at 40 professional meetings in 6 countries. Reviewed 121 manuscripts for 42 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 >12,520 students and families on science as a career; 116 have been to schools (Pre-K to 12), mostly public or inner-city, and 92 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, 123 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 21 total):* Zoë Lewis (Fisheries Biologist, Lummi Nation), Grace Freeman (Senior Data Analyst, Education Analytics), Zoë Lewis (Fisheries Biologist, Lummi Nation), Bobbie Buzzell (Fisheries Biologist, Lummi Nation), Adrienne Akmajian (Marine Ecologist, Makah Tribe), Kat Nikolich (Teacher, Valleyview Centennial School), Dr. Andrew Rothstein (Computational Biologist, Concentric by Gingko Bioworks), Dr. Erin D'Agnes (Postdoctoral Scholar, Univ. of Washington), Jennifer Olson (Oceanography Faculty, 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), Katie Luxa (Biologist, National Marine Mammal Laboratory).

*Undergraduate students (out of 38 total):* Kyra Bankhead (MSc student, Oregon State Univ.), Delaney Adams (Fisheries Biologist, Lummi Nation), Madison McKay (MSc student, Moss Landing Marine Laboratories), MSc Rachel Wachtendonk (Analyst, Ocean Associates Inc), MSc Ashlyn Teather (Environmental Education Coordinator, Duke Univ.), MES Erin Stehr (Puget Sound Corps Team Lead, Washington Department of Natural Resources), Raven Benko (MSc student, Univ, Washington), Dr. Kelsey Moreno (Assistant Professor, Saint Xavier University), Erika Winner (MSc student Univ. of Minnesota Duluth), Dr. Kelly Cates (Fisheries Management Specialist, NOAA Fisheries Alaska), MA 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 (Program Director, Glasser Progress Foundation), MSc Amber Johnson (Habitat Biologist, Washington Department of Fish & Wildlife).