

Dr. Simone Baumann-Pickering

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EDUCATION 2009 – **PhD Animal Physiology** Eberhard-Karls-Universität Tübingen, Germany
2006 – **BSc & MSc Biology** Eberhard-Karls-Universität Tübingen, Germany
1999 – **BSc Media Engineering** Stuttgart Media University, Germany

PROFESSIONAL EXPERIENCE 2012-present **Assistant Research Biologist & Lecturer**,
Scripps Institution of Oceanography
2009-2012 **Postdoctoral Researcher**, *Scripps Institution of Oceanography*
2006-2009 **Graduate Research Assistant**, *Scripps Institution of Oceanography*
1997-2004 **Founder & CEO** multimedia agencies *Medienmacher & e-xentric*

PUBLICATIONS
Peer-reviewed

Hildebrand, J. A., **S. Baumann-Pickering**, K. E. Frasier, J. S. Trickey, K. P. Merckens, S. M. Wiggins, M. A. McDonald, L. P. Garrison, D. Harris, T. A. Marques, and L. Thomas (2015). Passive acoustic monitoring of beaked whale densities in the Gulf of Mexico. *Nature: Scientific Reports* 5:16343

Gruden P., P. R. White, J. N. Oswald, Y. Barkley, S. Cerchio, M. Lammers, **S. Baumann-Pickering** (2015). Differences in oscillatory whistles produced by spinner (*Stenella longirostris*) and pantropical spotted (*Stenella attenuata*) dolphins. *Mar. Mamm. Sci.* DOI: 10.1111/mms.12280

Baumann-Pickering, S., M. A. Roch, S. M. Wiggins, H.-U. Schnitzler, J. A. Hildebrand (2015). Acoustic behavior of melon-headed whales varies on a diel cycle. *Behav. Ecol. Sociobiol.* DOI:10.1007/s00265-015-1967-0

Baumann-Pickering, S., A. E. Simonis, E. M. Oleson, R. W. Baird, M. A. Roch, S. M. Wiggins (2015). False killer whale and short-finned pilot whale acoustic identification. *Endanger. Species Res.* 28:97-108

Trickey, J. S., **S. Baumann-Pickering**, J. A. Hildebrand, M. V. Reyes Reyes, M. Melcón, M. Iñiguez (2015), Antarctic beaked whale echolocation signals near South Scotia Ridge. *Mar. Mamm. Sci.* doi: 10.1111/mms.12216

Roch, M. A., J. Stinner-Sloan, **S. Baumann-Pickering** (2015). The effects of site and equipment variation on species identification of delphinids from their echolocation clicks. *J. Acoust. Soc. Am.* 173:22-29

Baumann-Pickering, S., M. A. Roch, R. L. Brownell Jr., A. E. Simonis, M. A. McDonald, A. Solsona-Berga, E. M. Oleson, S. M. Wiggins, J. A. Hildebrand (2014). Spatio-temporal patterns of beaked whale echolocation signals in the North Pacific. *PLoS One* 9, e86072

Cholewiak, D., **S. Baumann-Pickering**, S. Van Parijs (2013). Description of sounds associated with Sowerby's beaked whales (*Mesoplodon bidens*) in the western North Atlantic Ocean. *J. Acoust. Soc. Am.* 134:3905-3912

Baumann-Pickering, S., M. A. McDonald, A. E. Simonis, A. Solsona Berga, K. P. B. Merckens, E. M. Oleson, M. A. Roch, S. M. Wiggins, S. Rankin, T. M. Yack, J. A. Hildebrand (2013). Species specific beaked whale echolocation signals. *J. Acoust. Soc. Am.* 134:2293-2301

Baumann-Pickering, S., T. M. Yack, J. Barlow, S. M. Wiggins, J. A. Hildebrand (2013). Baird's beaked whale echolocation signals. *J. Acoust. Soc. Am.* 133, 4321-4331

Baumann-Pickering, S., A. E. Simonis, S. M. Wiggins, R. L. Brownell Jr., J. A. Hildebrand (2013). Aleutian Islands beaked whale echolocation signals. *Mar. Mamm. Sci.* 29:221-227

- Kerosky, S., L. Roche, A. Širović, **S. Baumann-Pickering**, S. M. Wiggins, J. A. Hildebrand (2012). Bryde's whale seasonal range expansion and increasing presence in the Southern California Bight from 2000–2010. *Deep-Sea Res. I* 65:125-132
- Simonis, A. E., **S. Baumann-Pickering**, E. M. Oleson, M. L. Melcón, S. M. Wiggins, J. A. Hildebrand (2012). High-frequency modulated signals of killer whales (*Orcinus orca*) in the North Pacific. *J. Acoust. Soc. Am.* 131:EL295-EL301
- Roch, M. A., T. Brandes, B. Patel, Y. Barkley, **S. Baumann-Pickering**, M. S. Soldevilla (2011). Automated extraction of odontocete whistle contours. *J. Acoust. Soc. Am.* 130:2212-2223
- Rankin, S., **S. Baumann-Pickering**, T. M. Yack, J. Barlow (2011). Description of sounds recorded from Longman's beaked whale, *Indopacetus pacificus*. *J. Acoust. Soc. Am.* 130:EL339-EL344
- Roch, M. A., S. Qui, H. Klinck, D. K. Mellinger, M. S. Soldevilla, **S. Baumann-Pickering**, J. A. Hildebrand (2011). Classification of echolocation clicks from odontocetes in the Southern California Bight. *J. Acoust. Soc. Am.* 129:467-475
- Baumann-Pickering, S.**, M. A. Roch, S. M. Wiggins, H.-U. Schnitzler, J. A. Hildebrand (2010). Discriminating features of echolocation clicks of melon-headed whales (*Peponocephala electra*), bottlenose dolphins (*Tursiops truncatus*) and Gray's spinner dolphins (*Stenella longirostris longirostris*). *J. Acoust. Soc. Am.* 128:2212-2224.
- Baumann-Pickering, S.**, S. M. Wiggins, E. Roth, M. A. Roch, H.-U. Schnitzler, J. A. Hildebrand (2010). Echolocation signals of a beaked whale at Palmyra Atoll. *J. Acoust. Soc. Am.* 127:3790-3799.
- Brownell, R. L., K. Ralls, **S. Baumann-Pickering**, M. M. Poole (2009). Behavior of Melon-headed Whales near Oceanic Islands. *Mar. Mamm. Sci.* 25:639-658.
- 2014 Meeting of the Acoustical Society of America, Indianapolis, IN
Baumann-Pickering, S., J. S. Trickey, M. A. Roch, S. M. Wiggins. Spatio-temporal distribution of beaked whales in southern California waters.
- 2013 Meeting of the Acoustical Society of America, San Francisco, CA
Baumann-Pickering, S., M. A. Roch, A. Širović, J. A. Hildebrand. Cyclical patterns in long-term bioacoustics data.
- Baumann-Pickering, S.**, A. J. Debich, A. Širović, J. V. Carretta, J. S. Trickey, R. Gresalfi, M. A. Roch, S. M. Wiggins, J. A. Hildebrand. Possible impact of underwater explosions on cetaceans.

**Selected
Papers at Scientific
Meetings**

PROFESSIONAL ACTIVITIES

Teaching

Lectures in **Marine Mammal Biology**, UC San Diego

Advising

Graduate Student

UCSD/SIO: K. Ashlyn Giddings (PhD, 2015-present), Eadoh Reshef (PhD, 2015-present), Grace Teller (MSc, 2014-present), Anne Simonis (PhD, 2011-present)
External: Anna Meyer-Löbbecke (PhD, Universität Tübingen, Germany, 2015-present), Alba Solsona Berga (PhD, UPC, Spain, 2014-present)

Undergraduate research, internship students, volunteers

Verena Lucke (6-8/2015), Mark Saddler (6-8/2015), Alicia Casacchia (6-8/2015), Ariel Brewer (6/2014-2/2015), Danielle Jacques (6-8/2014), Rohan Gresalfi (6-8/2013), Jennifer Hu (1/2012-9/2014), Alexa Alldredge (6-12/2013), Rachel Gottlieb (9/2011-12/2012), Alba Solsona Berga (3-7/2012), Atalani Jackson (4/2011-6/2012), Claire Johnson (9-12/2011), Dylan Shinzaki (6-9/2011), Alison Belgrau (6-9/2011), Mattie Parsell (6-9/2011), Jordan Mursinna (6-9/2010), Stephanie Tucker (6-9/2010)

Review

Marine Mammal Science, Journal of the Acoustical Society of America, Biology Letters, Bioacoustics, Polar Biology, Behavioral Ecology, National Science Foundation, NOAA Small Business Innovation Research, EarthWatch Institute, Marine Science and Technology Foundation

Member

International Society for Behavioral Ecology, International Bioacoustics Council, Acoustical Society of America, Society for Marine Mammalogy