

## BIOGRAPHICAL SKETCH:

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### Professional Preparation

<i>Institution</i>	<i>Major</i>	<i>Degree</i>	<i>Year</i>
Bryn Mawr College, Bryn Mawr, PA	Geology	A.B.	1993
University of Alabama, Tuscaloosa, AL	Geology	M.S.	1995
Rice University, Houston, TX	Geology and Geophysics	Ph.D.	2001

### Appointments

<i>Years(s)</i>	<i>Title</i>
2019-present	Associate Professor, Department of Earth and Atmospheric Sciences, University of Houston
2018-present	Adjunct Faculty of the Graduate School, University of Alabama
2013-2019	Assistant Professor, Department of Earth and Atmospheric Sciences, University of Houston
2007-2015	Adjunct Assistant Professor, Department of Earth Science, Rice University
2006-2013	Co-Director Geoscience Learning Center & Research Assistant Professor, Department of Earth and Atmospheric Sciences, University of Houston
2001-2006	Post-doc and lecturer, Rice University

### Products

#### *Five Recent Products*

- Wellner, J. S., T. Scambos, E. Domack, M. Vernet, A. Leventer, G. Balco, S. Brachfeld, M. Cape, B. Huber, S. Ishman, M. McCormick, E. Mosely-Thompson, E. Pettit, C. Smith, M. Truffer, C. Van Dover, K.-C. Yoo, 2019, The Larsen Ice Shelf System, Antarctica (LARISSA): Polar Systems Bound Together, Changing Fast, *GSA Today*, v. 29, n. 8, p. 4-10, <https://doi.org/10.1130/GSATG382A.1>.
- \*Campo, J., J. S. Wellner, C. Lavoie, E. Domack, and K.-C. Yoo, 2017, Glacial Geomorphology of the Northwestern Weddell Sea, Eastern Antarctic Peninsula Continental Shelf: Shifting Ice Flow Patterns During Deglaciation, *Geomorphology*, v. 280, p. 89-107, doi:10.1016/j.geomorph.2016.11.022.
- \*Muñoz, Y. P., and J. S. Wellner, 2016, Bathymetry as a control of fjord sediment distribution and implications for palaeoenvironmental interpretations, an example from the modern Antarctic Peninsula, *Polar Research*, n. 35, p. 1-15, doi:10.3402/polar.v35.25284.
- \*Munoz, Y. P., and J. S. Wellner, 2018, Seafloor geomorphology of western Antarctic Peninsula bays: a signature of ice flow behavior, *The Cryosphere*, 12, 205-225, doi.org/10.5194/tc-12-205-2018.

\*Ramon, C., K. Rudolph, P. Emmet, and J. Wellner, 2018, Quantitative Analysis of Siliciclastic Clinoforms: An Example From the North Slope, Alaska, *Marine and Petroleum Geology*, v. 97, p. 127-134, <https://doi.org/10.1016/j.marpetgeo.2018.02.013>.

### ***Five Other Significant Products***

Koppes, M., B. Hallet, E. Rignot, J. Mouginot, J. S. Wellner, and K. Boldt, 2015, Observed variations in glacial erosion as a function of glacier characteristics, from Patagonia to the Antarctic Peninsula, *Nature*, v. 526, p. 100-103, doi:10.1038/nature15385.

Zhou, X., Lu, Z., R.E.M. Rickaby, E.W. Domack, J. Wellner, and H. Kennedy, 2015, Ikaite abundance controlled by porewater phosphorus level: implications for extensive glendonite deposits, *Journal of Geology*, doi:10.1086/681918.

Ducklow, H., A. Orsi, and J.S. Wellner, 2012, Introduction to the Special Issue on Antarctic Oceanography in a Changing World, *in Antarctic Oceanography in a Changing World*, Oceanography, v. 25, n.3, p. 14-17.

Wellner, J.S., J.B. Anderson, W. Ehrmann, F.M. Weaver, A. Kirshner, D. Livsey, and A. Simms, 2011, Sedimentologic record of the evolving ice sheet as recorded in SHALDRIL cores from the Northwestern Weddell Sea, Antarctica, *in* Anderson, J.B., and Wellner, J.S., eds., Tectonic, Climatic and Cryospheric Evolution of the Antarctic Peninsula, American Geophysical Union Special Volume, p. 131-151.

Anderson, J.B. S. Warny, R.A. Askin, J.S. Wellner, S.M. Bohaty, R.T. Smith, A. Kirshner, A. Simms, S.W. Wise Jr., D.K. Kulhenek, F.M. Weaver, W. Ehrmann, W. Majewski, D.L. Barbeau, Jr., 2011, Climate deterioration in the Antarctic Peninsula and the demise of Antarctica's last refugium, *Proceedings of the National Academy of Science*, v. 108, p., 11356-11360, doi:10.1073/pnas.1014885108.

\*student advisee

### **Selected Recent Synergistic Activities**

- 2017-present   Scientific Committee on Antarctic Science (SCAR), Past Antarctic Ice Sheet Dynamics (PAIS) Scientific Steering Committee
- 2019           Glacial Isostatic Adjustment Training School *Lecturer* (Gävle, Sweden)
- 2019           Past Antarctic Ice Sheets – International Ocean Discovery Program School *Instructor* (College Station, Texas)
- 2016           American Association of Petroleum Geologists Distinguished Lecturer
- 2015           Annual Field Trip Leader of National Association of Black Geoscientists
- 2015           Field Trip Committee Chair for Gulf Coast Association of Geological Societies
- 2012-2015    Scientist Mentor, NASA Education & Public Outreach for Earth and Space Sciences Program, STEP: Creating a Sustainable Trainer Engagement Program for Earth and Space Sciences