

Amelia Endicott Shevenell

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https://en.wikipedia.org/wiki/Amelia_E._Shevenell

EDUCATION

Associate Fellow of the Higher Education Academy, University College London (2009)
Postgraduate Certificate in Learning and Teaching in Higher Education

Ph.D. Marine Science, University of California Santa Barbara (2004)
Dissertation: The role of climate feedbacks in the middle Miocene climate transition,
Advisor: J.P. Kennett

M.Sc. Marine Science, University of California Santa Barbara (2001)
Thesis: Antarctic Holocene climate change: A stable isotopic record from Palmer Deep, *Advisor:*
J.P. Kennett

B.A. Geological Sciences, Hamilton College, with honors (1996)
Thesis: Record of Holocene climate change along the Antarctic Peninsula: Evidence from
glacial marine sediments, Lallemand Fjord
Advisor: E.W. Domack

EMPLOYMENT

2017- **Associate Professor**, College of Marine Science, University of South Florida

2011-2017 **Assistant Professor**, College of Marine Science, University of South Florida

2011- **Research Associate**, Department of Earth Sciences, University College London (UCL), London, United Kingdom.

2007-2011 **Lecturer** (*Probationary (equivalent to Assistant Professor) from 2007-2009; Permanent (equivalent to Associate Professor [tenured], 2010-2011*), Department of Geography (60%) and Department of Earth Sciences (40%), University College London, London, United Kingdom.

2005-2007 **Postdoctoral Fellow**, Program On Climate Change, School of Oceanography, University of Washington

1998-2004 **Research/Teaching Assistant**, Department of Geological Science, University of California Santa Barbara

1997-1998 **Geologist/Associate Environmental Scientist**, Montgomery Watson, Juneau, Alaska, USA.

1996-1997 **Chemistry Laboratory Technician/ Health and Safety Officer**, Montgomery Watson Laboratories, Juneau, Alaska, USA.

1994-1996 **Research/Teaching Assistant**, Department of Geology, Hamilton College

HONORS AND AWARDS

2021	USF Outstanding Faculty Mentor , Recognized by the Student Leadership Council, Sloan University Center for Exemplary Mentoring
2019	USF Faculty Outstanding Research Achievement Award
2019	Elected Full Member , Sigma Xi: The Scientific Research Honor Society
2018, 2012-2014 2001, 1998, 1995 2016	Antarctic Service Medal AGU Outstanding Reviewer , Geophysical Research Letters
2014-2015	IODP Distinguished Lecturer : peer/community nominated and selected by IODP US Science Advisory Committee (USAC). Speakers visit small/remote institutions
2006	Storrs Cole Memorial Research Award , Geological Society of America
2004 (declined)	Postdoctoral Research Fellowship , Institute for Marine and Coastal Sciences, Rutgers University
2003	Wendell Phillips Woodring Memorial Graduate Fellowship , University of California Santa Barbara
1998	Marine Science Fellowship , University of California Santa Barbara
1996	Rogers Prize in Geology , Hamilton College
1995	L. David Hawley Prize Scholarship in Geology , Hamilton College

SERVICE IN PROFESSIONAL AND TECHNICAL ORGANIZATIONS

Ongoing	Invited Member , Committee on Mid-Term Assessment of NSF Progress on the 2015 Strategic Vision for Antarctic and Southern Ocean Research, The National Academies of Sciences, Engineering, Medicine (2020-2021)
Ongoing	Associate Editor , <i>Paleoceanography and Paleoclimatology</i> , AGU Journals (2020-2022)
Ongoing	Elected Geological Oceanography Council Member , The Oceanography Society (2019-2022)
Ongoing	Invited Inaugural Member , Antarctic Core Collection Advisory Committee, Antarctic and Southern Ocean National Collection of Rock and Sediment cores, Oregon State University (2019-2022)
Ongoing	Editorial Board Member , <i>Journal of Marine Science and Engineering</i> , Section: Geological Oceanography
2020	Associate Editor , <i>Oceanography</i> , Special Issue: ICP 2019
2019	Invited representative , The Oceanography Society , Capitol Hill Climate Week, Washington DC (March 12-14).

2015-2018 **Invited Member**, Antarctic Marine Geology Research Facility Deaccession/Inventory Committee.

2014 **Steering Committee Member/Guest Editor**, Women in Oceanography: A Decade Later. *Oceanography*, **27** (4, supplement)

International Ocean Discovery Program (IODP)

Science Advisory Structure

Ongoing **Invited Member**, Friends of IODP (ad hoc group of scientists in IODP leadership).

2014-2018 **Invited Advisory Committee Member**, United States Advisory Committee for Scientific Ocean Drilling (USAC), Consortium for Ocean Leadership/LDEO,

2013-2014 **Co-Chair**, Climate and Ocean Section, IODP Science Evaluation Panel.

2011-2013 **Invited Panel Member**, IODP Proposal Evaluation Panel (PEP).

Workshops

2017 **Invited participant**, *JOIDES Resolution* Assessment Workshop (JRAW), Denver CO, Sept 27-28.

2017 **Proponent/Steering Committee Member**, IODP Australasian Regional Workshop for building new IODP Proposals, June 12-17 (Sydney, Australia).

2017 **Invited participant**, IODP Proposal Development Workshop: Drilling strategies for assessing links between Quaternary Gulf Stream dynamics, pore pressure evolution, and slope stability on the Western North Atlantic Margin, Southern Methodist University, 11-13 April.

2016 **Proponent/Steering Committee Member**, USSSP Workshop: Antarctica's Cenozoic ice and climate history: New science and challenges of drilling in Antarctic waters (<http://usoceandiscovery.org/workshop-antarctic-ice-climate/>) May 19-11, Texas A&M University.

2013 **Proponent/Organizer**, Consortium for Ocean Leadership. Ross Sea IODP Proposal Writing Workshop, USF College of Marine Science, (June 11-16).

2012 **Invited Participant**, SW Pacific IODP planning workshop, Sydney, Australia (October 9-11, 2012; at sea and unable to attend).

2012 **Invited Speaker/Participant**, Antarctic and Southern Ocean Drilling Workshop, XXXII SCAR Meetings and Open Science Conference, Portland OR (July 12-13; via Skype).

2012 **Invited Participant**, IODP Building US Strategies for 2013-23 Scientific Ocean Drilling, Consortium of Ocean Leadership, Denver CO (April 30-May 2).

2011 **UK IODP Invited Participant**, Forcings and Feedbacks workshop, Cardiff, Wales (NERC UK IODP Funding) (February 16-17).

National Science Foundation (NSF)

- 2018, 2019** **Invited Panel Member**, NSF Office of Polar Programs, Antarctic Earth Sciences
- 2018** **Invited Panel Member**, NSF Ocean Sciences, *JOIDES Resolution* Support Office Renewal
- 2013, 2017** **Invited Panel Member**, NSF OCE Marine Geology and Geophysics (
- 2013, 2014** **Invited Panel Member**, NSF Office of Polar Programs, Antarctic Marine Geology Research Facility

American Geophysical Union (AGU)

- 2014-2018** **Outstanding Student Presentation Award (OSPA) Judge**, AGU Fall Meeting, Paleooceanography and Paleoclimatology section.
- 2014** **Session Co-Convener**, 2014 AGU Fall Meeting, *Title*: Cenozoic through modern climate and glacial records and processes at high-latitude margins; Session ID: PP-22A, -23D, -24A, Co-Conveners: C. Cook (UF), A. Shevenell (USF), C. Huck (Imperial College), E. McClymot (Durham University) (2014).

PUBLIC SERVICE/MEDIA COVERAGE (SINCE 2011)

- 2020** **Invited speaker**, Learning from our past: Understanding Earth's Climate History and Future, American Museum of Natural History, Climate Week NYC, New York City (Virtual), 23 September).
- 2019** **Invited Panel Member**, Polar Research in the #metoo Era: Gender Balance, Diversity, and Sexism in the Antarctic, Women in Antarctica: Celebrating 50 Years of Exploration, Byrd Polar and Climate Research Center, Ohio State University.
- 2018** **Invited Panel Member**, *Chasing Ice* movie and panel discussion, Saint Pete City College, UF/IFAS Extension Pinellas County (November)
- 2016** **Invited Interview, Episode 29: Amelia Shevenell: Big Ideas and Big Risks**, Forecast podcast: a podcast about climate science and climate scientists with Nature's editor for climate science, Michael White, <https://forecastpod.org/episodes/>
- 2015** **Invited Speaker**, *Safe Return Doubtful: Climate lessons from Antarctica*, Pint of Science (www.pintofscience.us/events/tampa), St. Petersburg, FL (May 19)
- 2014** **Invited Panel Member**, *Chasing Ice* movie and panel discussion, Booker Creek Preserve, UF/IFAS Extension Pinellas County
- 2013** **Invited speaker**, Junior Kindergarten, Shorecrest Preparatory School, St. Petersburg, FL
- 2012** **Invited Panel Member**, *Mark Dion Troubleshooting colloquium: Studying people, places, and systems: Ecology and academic pursuits?* USF Contemporary Art Museum and Graphicstudio, Tampa (February 10)

Media coverage of Antarctic research: Nature Geoscience, National Geographic, Physics Today, Earth, Wired, Nature Geoscience, Watts up with that, the Verge, Newsweek, Kansas City Info, The Independent, Ecowatch, Truthdig, International Business Journal, Tech2, The Times (UK), Discover Magazine.

Science Blog, www.ameliashevenell.wordpress.com, blog for Antarctic research cruises LMG12-11 (October, 2012), LMG13-11 (October 2013), NBP14-02 (January-March, 2014), and IODP Expedition 374 (January-March, 2018), and IODP Expedition 382 (February-April, 2019). 21,545 total views as of February 2020 and 6,655 unique visitors. During cruises, we average 200-300 unique visitors and 400-600 page views/month.

Shevenell Lab Twitter account (@ashevenell), 1970 followers (no bots)

Expedition Antarctica Facebook page, original research content from Shevenell lab expeditions; during cruises, 474 likes, page receives 300-400 unique hits per week during expeditions.

Peer Reviewer: NSF OCE MG&G, CO, IODP, ES, ANT/PLR, NERC, Italian Antarctic Programme, Royal Society of New Zealand, University of Washington Royalty Research Fund, ETH Zurich Research Commission, DFG (German funding agency), FONDECYT (Chile), *Antarctic Science, Climate of the Past, Earth and Planetary Science Letters, Geochimica Cosmochimica Acta. Nature, Nature Communications, Nature Geoscience, Nature Climate Change, Nature Communications, Geochimica et Cosmochimica Acta, Geophysical Research Letters, G³, Geology, The Holocene, Journal of Analytical Atomic Spectrometry, Marine Micropaleontology, Oceanography, Paleoceanography and Paleoclimatology, Paleo³, PNAS, Quaternary Science Reviews, Science, Science Advances*

PROFESSIONAL AFFILIATIONS

American Chemical Society, American Geophysical Union, Association for Women Geoscientists, Geological Society of America, Sigma Xi, The Oceanography Society, American Association for the Advancement of Science

REFEREED JOURNAL ARTICLES/BOOK CHAPTERS

Statistics (Google Scholar, 3/1/21)

Total Citations: 2230

Most highly cited paper: 508 citations

H-index: 20

First Author H-index papers: 8

Average citations per H-index paper: 103 (4 first author papers over 100 citations)

*Student author

†Co-First author

In Review

1. *Duffy, M.L., Tibbett, E.J., Smith, C., Warny, S., Feakins, S.J., Escarguel, G., Askin, R., Leventer, A., and **A.E. Shevenell**. *In review*. Palynological and biomarker evidence for Paleogene paleoenvironmental gradients along the East Antarctic margin. *Geobios*.
2. *Marschalek, J.W., Zurli, L., Talarico, F., van de Fliertdt, T., Vermeesch, P., Carter, A., Beny, F., Bout-Roumazeilles, B., Sangiorgi, F. Hemming, S., Perez, L.F., Colleoni, F., Hillenbrand, C.-D, Gasson, E., Siegert, M.J., van Peer, T., E., Licht, K., ***Browne, I., Shevenell, A.E.**, Harwood, D.,

Keisling, B., Levy, R., Kuhn, G., Kulhanek, D.K., Perotti, M., Dodd, J., Boshuis, C., DeSantis, L., McKay, R.M., and the Expedition 374 Science Party (*in review*). A large West Antarctic Ice Sheet explains early Neogene sea-level amplitude. *Nature*.

2021

3. McKay, R., Escutia, C., De Santis, L., Donda, F., Duncan, B., Gohl, K., Gulick, S., Hillenbrand, C-D., Hochmuth, K., Kim, S., Kuhn, G., Larter, R., Leitchenkov, G., Levy, R., Naish, T., O'Brien, P., Perez, L., **Shevenell, A.E.**, and T. Williams (*in press*). Cenozoic History of Antarctic Glaciation and Climate from onshore and offshore studies. In Florindo, F., Siegert, M., De Santis, L., Naish, T., (eds), *Antarctic Climate Evolution, Second Edition*. Elsevier.

4. Pérez, L. De Santis, L. McKay, R., Larter, R., Ash, J., Bart, P., Böhm, G., Brancatelli, G., ***Browne, I.**, Colleoni, F., Dodd, J., Geletti, R., Harwood, D., Kuhn, G., Laberg, J.S., Leckie, R.M., Levy, R., Marschalek, J., Mateo, Z., Naish, T., Sangiorgi, F., **Shevenell, A.E.**, Sorlien, C., van de Flierdt, T., and IODP Expedition 374 Scientists (*in press*). Early and middle Miocene ice sheet dynamics in the Ross Sea: results from integrated core-log-seismic interpretation. *GSA Bulletin*.

2020

5. *Dove, I. A., Leventer, A., Metcalf, M. J., Brachfeld, S. A., Dunbar, R. B., Manley, P., **Shevenell, A. E.**, Murray, R. W., Hommeyer, M. H., Kryc, K. A., McLenaghan, N., Taylor, F., and B. Huber, 2020. Marine geological and geophysical investigations of Edward VIII Gulf, Kemp Coast, East Antarctica. *Antarctic Science*, 32 (3), 210-222.

6. †Jaeger, J.M. and †**A.E. Shevenell**, 2020. Perspective: Steering iceberg armadas, *Science* **370** (6517), 662-663.

7. **Shevenell, A.E.**, Delaney, P., Meissner, K., Menviel, L., and A.C. Mix, 2020. Paleooceanography: Lessons for a changing world. *Oceanography* **33** (2), 13-15.

8. Mawbey, E., Hendry, K. H., Greaves, M. J., Hillenbrand, C-D., Kuhn, G., Spencer-Jones, C. L., McClymont, E. L., *Vadman, K.J., **Shevenell, A. E.**, Jernas, P. E., and J. Smith, 2020. Mg/Ca-Temperature calibration of polar benthic foraminifer species for reconstruction of bottom water temperatures on the Antarctic shelf. *Geochim. Cosmochim. Acta*, 283, 54-66.

9. *Montelli, A., Gulick, S. P. S., Fernandez-Vasquez, R., Frederick, B., **Shevenell, A. E.**, Leventer, A., and D. Blankenship, 2020. Seismic stratigraphy of the Sabrina Coast shelf, East Antarctica: Early history dynamic meltwater-rich glaciations. *GSA Bulletin*, <https://doi.org/10.1130/B35100.1>

2019

10. McKay, R. M., De Santis, L., Kulhanek, D. K., and the **Expedition 374 Scientists**, 2019. Expedition 374 Preliminary Report: Ross Sea West Antarctic Ice Sheet History. *Proceedings of the International Ocean Discovery Program, 374*: College Station, TX. (includes 7 individual chapters and appendices).

a. McKay, R. M., De Santis, L., Kulhanek, D. K., Ash, J. L., Beny, F., *Browne, I. M., Cortese, G., Cordeiro de Sousa, I. M., Dodd, J. P., Esper, O. M., Gales, J. A., Harwood, D. M., Ishino, S., Keisling, B. A., Kim, S., Kim, S., Laberg, J. S., Leckie, R. M., Müller, J., Patterson, M. O., Romans, B. W., Romero, O. E., Sangiorgi, F., Seki, O., **Shevenell, A. E.**, Singh, S. M., Sugisaki, S. T., van de Flierdt, T., van Peer, T. E., Xiao, W., and Xiong, Z., 2019. Expedition 374 summary. In McKay, R. M., De Santis, L., Kulhanek, D. K., and the Expedition 374 Scientists, *Ross Sea West Antarctic Ice Sheet History*. Proceedings of the

International Ocean Discovery Program, 374: College Station, TX (International Ocean Discovery Program). <https://doi.org/10.14379/iodp.proc.374.101.2019>

b. McKay, R. M., De Santis, L., Kulhanek, D. K., Ash, J. L., Beny, F., *Browne, I. M., Cortese, G., Cordeiro de Sousa, I. M., Dodd, J. P., Esper, O. M., Gales, J. A., Harwood, D. M., Ishino, S., Keisling, B. A., Kim, S., Kim, S., Laberg, J. S., Leckie, R. M., Müller, J., Patterson, M. O., Romans, B. W., Romero, O. E., Sangiorgi, F., Seki, O., **Shevenell, A. E.**, Singh, S. M., Sugisaki, S. T., van de Flierdt, T., van Peer, T. E., Xiao, W., and Xiong, Z., 2019. Expedition 374 methods. *In* McKay, R. M., De Santis, L., Kulhanek, D. K., and the Expedition 374 Scientists, *Ross Sea West Antarctic Ice Sheet History*. Proceedings of the International Ocean Discovery Program, 374: College Station, TX (International Ocean Discovery Program). <https://doi.org/10.14379/iodp.proc.374.102.2019>

c. McKay, R. M., De Santis, L., Kulhanek, D. K., Ash, J. L., Beny, F., *Browne, I. M., Cortese, G., Cordeiro de Sousa, I. M., Dodd, J. P., Esper, O. M., Gales, J. A., Harwood, D. M., Ishino, S., Keisling, B. A., Kim, S., Kim, S., Laberg, J. S., Leckie, R. M., Müller, J., Patterson, M. O., Romans, B. W., Romero, O. E., Sangiorgi, F., Seki, O., **Shevenell, A. E.**, Singh, S. M., Sugisaki, S. T., van de Flierdt, T., van Peer, T. E., Xiao, W., and Xiong, Z., 2019. Site U1521. *In* McKay, R. M., De Santis, L., Kulhanek, D. K., and the Expedition 374 Scientists, *Ross Sea West Antarctic Ice Sheet History*. Proceedings of the International Ocean Discovery Program, 374: College Station, TX (International Ocean Discovery Program). <https://doi.org/10.14379/iodp.proc.374.103.2019>

d. McKay, R. M., De Santis, L., Kulhanek, D. K., Ash, J. L., Beny, F., *Browne, I. M., Cortese, G., Cordeiro de Sousa, I. M., Dodd, J. P., Esper, O. M., Gales, J. A., Harwood, D. M., Ishino, S., Keisling, B. A., Kim, S., Kim, S., Laberg, J. S., Leckie, R. M., Müller, J., Patterson, M. O., Romans, B. W., Romero, O. E., Sangiorgi, F., Seki, O., **Shevenell, A. E.**, Singh, S. M., Sugisaki, S. T., van de Flierdt, T., van Peer, T. E., Xiao, W., and Xiong, Z., 2019. Site U1522. *In* McKay, R. M., De Santis, L., Kulhanek, D. K., and the Expedition 374 Scientists, *Ross Sea West Antarctic Ice Sheet History*. Proceedings of the International Ocean Discovery Program, 374: College Station, TX (International Ocean Discovery Program). <https://doi.org/10.14379/iodp.proc.374.104.2019>

e. McKay, R. M., De Santis, L., Kulhanek, D. K., Ash, J. L., Beny, F., *Browne, I. M., Cortese, G., Cordeiro de Sousa, I. M., Dodd, J. P., Esper, O. M., Gales, J. A., Harwood, D. M., Ishino, S., Keisling, B. A., Kim, S., Kim, S., Laberg, J. S., Leckie, R. M., Müller, J., Patterson, M. O., Romans, B. W., Romero, O. E., Sangiorgi, F., Seki, O., **Shevenell, A. E.**, Singh, S. M., Sugisaki, S. T., van de Flierdt, T., van Peer, T. E., Xiao, W., and Xiong, Z., 2019. Site U1523. *In* McKay, R. M., De Santis, L., Kulhanek, D. K., and the Expedition 374 Scientists, *Ross Sea West Antarctic Ice Sheet History*. Proceedings of the International Ocean Discovery Program, 374: College Station, TX (International Ocean Discovery Program). <https://doi.org/10.14379/iodp.proc.374.105.2019>

f. McKay, R. M., De Santis, L., Kulhanek, D. K., Ash, J. L., Beny, F., *Browne, I. M., Cortese, G., Cordeiro de Sousa, I. M., Dodd, J. P., Esper, O. M., Gales, J. A., Harwood, D. M., Ishino, S., Keisling, B. A., Kim, S., Kim, S., Laberg, J. S., Leckie, R. M., Müller, J., Patterson, M. O., Romans, B. W., Romero, O. E., Sangiorgi, F., Seki, O., **Shevenell, A. E.**, Singh, S. M., Sugisaki, S. T., van de Flierdt, T., van Peer, T. E., Xiao, W., and Xiong, Z., 2019. Site U1524. *In* McKay, R. M., De Santis, L., Kulhanek, D. K., and the Expedition 374 Scientists, *Ross Sea West Antarctic Ice Sheet History*. Proceedings of the International Ocean Discovery Program, 374: College Station, TX (International Ocean Discovery Program). <https://doi.org/10.14379/iodp.proc.374.106.2019>

g. McKay, R. M., De Santis, L., Kulhanek, D. K., Ash, J. L., Beny, F., *Browne, I. M., Cortese, G., Cordeiro de Sousa, I. M., Dodd, J. P., Esper, O. M., Gales, J. A., Harwood, D. M., Ishino, S., Keisling, B. A., Kim, S., Kim, S., Laberg, J. S., Leckie, R. M., Müller, J.,

- Patterson, M. O., Romans, B. W., Romero, O. E., Sangiorgi, F., Seki, O., **Shevenell, A. E.**, Singh, S. M., Sugisaki, S. T., van de Flierdt, T., van Peer, T. E., Xiao, W., and Xiong, Z., 2019. Site U1525. In McKay, R. M., De Santis, L., Kulhanek, D. K., and the Expedition 374 Scientists, *Ross Sea West Antarctic Ice Sheet History*. Proceedings of the International Ocean Discovery Program, 374: College Station, TX (International Ocean Discovery Program). <https://doi.org/10.14379/iodp.proc.374.107.2019>
- h. McKay, R. M., De Santis, L., Kulhanek, D. K., and the **Expedition 374** Scientists, 2019. *Supplement to McKay, R.M., De Santis, L., Kulhanek, D.K., and the Expedition 374 Scientists, Ross Sea West Antarctic Ice Sheet History*. Proceedings of the International Ocean Discovery Program, 374: College Station, TX (International Ocean Discovery Program). <https://doi.org/10.14379/iodp.proc.374.2019>
11. Escutia, C., DeConto, R., Dunbar, R., De Santis, L., **Shevenell, A.E.**, and T. Naish, 2019. Keeping an eye on ice sheet stability. Celebrating 50 years of Scientific Ocean Drilling, *Oceanography*, **32** (1), 32-46.
- 2018**
12. *Smith, C., Warny, S., **Shevenell, A.E.**, Gulick, S.P.S., and A. Leventer, 2018. New species from the Sabrina Flora: An early Paleogene pollen and spore assemblage from the Sabrina Coast, East Antarctica. *Palynology*, DOI: 10.1080/01916122.2018.1471422.
13. McKay, R.M., De Santis, L., Kulhanek, D.K., and the **Expedition 374 Scientists**, 2018. Expedition 374 Preliminary Report: Ross Sea West Antarctic Ice Sheet History. International Ocean Discovery Program, 374, <https://doi.org/10.14379/iodp.pr.374.2018>
14. McKay, R., Exon, N., Müller, D., Gohl, K., Gurnis, M., **Shevenell, A.**, Henrys, S., Inagaki, F., Pandey, D., Whiteside, J., van de Flierdt, T., Naish, T., Heuer, V., Morono, Y., Coffin, M., Godard, M., Wallace, L., Kodaira, Shuichi, K., Bijl, P., Collot, J., Dickens, G., Dugan, B., Dunlea, A., Hackney, R., Ikehara, M., Jutzeler, M., McNeill, L., Naik, S., Noble, T., Opdyke, B., Pecher, I., Stott, L., Uenzelmann-Neben, G., Vadakkeykath, Y., Wortmann, U., 2018. Developing community-based scientific priorities and new drilling proposals in the Southern Indian and Southwest Pacific Oceans. *Scientific Drilling*, **24**, 61-70.
15. Fernandez, R., Gulick, S.P.S., Domack E., Montelli, A., Leventer, A., **Shevenell, A.E.**, B. Frederick, and the NBP14-02 Science Party, 2018. Past ice stream and ice sheet changes on the continental shelf off Sabrina Coast, East Antarctica. *Geomorphology* **317**, 10-22.
16. *Napier, T.J., Hendy, I.L., Hinnov, L., Brown, E.T., and **A.E. Shevenell**, 2018. Subtropical hydroclimate during Termination V (~430-422 ka): Annual records of extreme precipitation, drought, and interannual variability from Santa Barbara Basin. *Quaternary Science Reviews* **191**, 73-88.
17. *Gray, W.R., Rae, J.W.B., Wills, R.C., **Shevenell, A.E.**, Foster, G.L., Lear, C.H., and A. Burke, 2018. Deglacial upwelling, productivity, and CO₂ in the North Pacific Ocean. *Nature Geoscience* **11**, 340-344 (Featured in News and Views (Jaccard, S. and Galbraith, E., *Nature Geoscience* **11**, 299-300)).
18. *Petrick, B., McClymont, E., *Clarkson, M., Rohl, U., Rosell-Mele, A., Rueda, G., Pancost, R., Maslin, M., **Shevenell, A.E.**, and K. Littler. 2018. Evolution of the southern Benguela upwelling system and Agulhas leakage over the last 3.5 million years. *Earth Planet Sci. Lett.* **492**, 12-21.
19. *Drury, A.J., Lee, G.P., *Gray, W.R., Lyle, M., Westerhold, T., **Shevenell, A.E.**, John, C.M. 2018. Deciphering the state of the late Miocene to early Pliocene equatorial Pacific. *Paleoceanography and Paleoclimatology*. doi: 10.1002/2017PA003245.

2017

20. †Gulick, S.P.S., †**Shevenell, A.E.**, Montelli, A., Fernandez, R., Smith, C., Warny, S., Bohaty, S., Sjunneskog, C., Leventer, A., Fredrick, B., and D. Blankenship, 2017. Initiation and long-term instability of the East Antarctic Ice Sheet. *Nature* **552**, 225-229 (Cover Image; Featured in News and Views (Greenwood, S., *Nature* **552**, 183-184).

21. Post, A.L., Lavoie, C., Domack, E.W., Leventer, A., **Shevenell, A.E.**, and the NBP14-02 Science Team, 2017. Benthic community structure and habitat heterogeneity on the Sabrina Coast continental shelf, East Antarctica. *Antarctic Science* **29**, 17-32.

2016

22. **Shevenell, A.E.**, 2016. Commentary: Drilling and Modeling studies expose Antarctica's Miocene secrets. *Proceed. Nat. Acad. Sci.* **113** (13), 3419-3421.

23. *Guitard, M.E., **Shevenell, A.E.**, Domack E.W., and C. Lavoie, 2016. Mega-scale glacial lineations and grounding zone wedges in Prydz Channel, East Antarctica. *In* Dowdeswell, J.A., Canals, M., Jakobsson, M., Todd, B.J., Dowdeswell, E.K. & Hogan, K.A. (eds) Atlas of Submarine Glacial Landforms: Modern, Quaternary and Ancient. Geological Society, London, Memoirs, **46**, 185-186.

24. O'Brien, P.E., Beaman, R., DeSantis, L., Domack, E., Escutia, C., Harris, P.T., Leventer, A., McMullen, K., Post, A., Quilty, P.G., **Shevenell, A.E.**, and C. Batchelor, 2016. Submarine glacial landforms on the cold East Antarctic margin. *In* Dowdeswell, J.A., Canals, M., Jakobsson, M., Todd, B.J., Dowdeswell, E.K. & Hogan, K.A. (eds) Atlas of Submarine Glacial Landforms: Modern, Quaternary and Ancient. Geological Society, London, Memoirs, **46**, 501-508.

25. *Drury, A.J., John, C.M., and **A.E. Shevenell**, 2016. Evaluating climatic response to external radiative forcing during the late Miocene to early Pliocene: New perspectives from eastern equatorial Pacific (IODP U1338) and North Atlantic (ODP 982) locations. *Paleoceanography* **31**, 167-184.

2011-2015

26. Jiang, H., **Shevenell, A.E.**, S. Yu, H. Xu, and X. Mao, 2015. Decadal- to centennial-scale East Asian summer monsoon variability during the Medieval Climate Anomaly reconstructed from an eastern Tibet lacustrine sequence. *Journal of Paleolimnology* **54**(2), 205-222.

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34. Thompson, L., Perez, R.C., and **A.E. Shevenell**, 2011. Not just family matters, Reply. *Nature Geoscience*, **4** (6), 346.

2005-2010

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36. **Shevenell, A.E.**, Kennett, J.P., and D.W. Lea, 2008. Middle Miocene ice sheet dynamics, deep-sea temperatures, and carbon cycling: A Southern Ocean perspective. *Geochem. Geophys. Geosystem.* **9**, doi:10.1029/2007GC1736.
37. **Shevenell, A.E.** and J.P. Kennett, 2007. Cenozoic Antarctic cryosphere evolution: Tales from deep-sea sedimentary records. *Deep Sea Research II* **54**, 2308-2324.
38. **Shevenell, A.E.**, Ingalls, A.E., and E.W. Domack, 2007. Orbital and atmospheric forcing of western Antarctic Peninsula climate in the Holocene: The TEX₈₆ paleotemperature record of Palmer Deep. *In Antarctica: A Keystone in a Changing World. Proceed. of the 10th ISAES X*, A.K. Cooper and C.R. Raymond et al., eds, USGS Open-File Report 2007-1047 Extended Abstract 131, 4pp.
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41. **Shevenell, A.E.** and J.P. Kennett, 2004. Paleoceanographic change during the middle Miocene climate revolution: An Antarctic stable isotope perspective. *Geophys. Mon. Ser. 151*, AGU, Washington DC, pp. 235-252.
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45. **Shipboard Scientific Party**, 2001. Explanatory notes. *In* Exon, N.F., Kennett, J.P., Malone, M.J., et al., *Proc. ODP, Init. Repts.*, 189: College Station, TX (Ocean Drilling Program), 1–59. doi:10.2973/odp.proc.ir.189.102.2001

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50. **Shipboard Scientific Party**, 2001. Site 1172. *In* Exon, N.F., Kennett, J.P., Malone, M.J., et al., *Proc. ODP, Init. Repts.*, 189: College Station, TX (Ocean Drilling Program), 1–149. doi:10.2973/odp.proc.ir.189.107.2001

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1995-1999

55. **Shevenell, A.E.**, Domack, E.W., and G.M. Kernan, 1996. Record of Holocene climate change along the Antarctic Peninsula: Evidence from glacial marine sediments, Lallemand Fjord. *Papers and Proceedings of the Royal Soc. Tasmania* **130**, 55-64.

In Preparation for Winter/Spring 2021 submission

*Student author

†Co-First author

56. **Shevenell, A.E.**, Herold, N., Huber, M., and D. Müller, *in revision*. A role for Atlantic Ocean circulation in early to middle Miocene climate evolution. *Paleoceanography and Paleoclimatology*.

57. *Guitard, M.E., **Shevenell, A.E.**, Leventer, A.R., Rosenheim, B.E., and Y. Yokoyama, *in prep 95% complete as of February 2021*. Millennial-scale variations of an East Antarctic outlet glacier during the last glaciation. *Nature*.

58. *Vadman, K., **Shevenell, A.E.**, Leventer, A.R., and B.E. Rosenheim, *in prep, 90% complete as of February 2021*. High-resolution Deglacial to Holocene paleoceanographic record from the outlet of the Aurora Subglacial Basin, East Antarctica. *Paleoceanography and Paleoclimatology*.

59. *Browne, I. **Shevenell, A.E.**, Leventer, A.R., Schwing, P., Rosenheim, B.E., M. Duffy, and J. Jaeger, *in prep, 95% complete as of February 2021*. Upper ocean warming and sea ice decline over the past two centuries in the Palmer Deep, western Antarctic Peninsula. *Geophysical Research Letters*.

60. **Shevenell, A.E.**, Kennett, J.P., and G. Simpson, *in prep 90% complete as of February 2021*. Middle Miocene evolution of high latitude Southwest Pacific vertical water column structure as revealed by planktonic foraminifer faunas and stable isotopes. *Marine Micropaleontology*.

FUNDING HISTORY

Total Cumulative Sum since 2000: \$4,094,917; since 2011: \$2,564,548

Note: Only amounts in my direct control are listed and included in above totals. Total expedition costs, where I was a lead proponent are listed, but not included in totals. Student grants are not included in totals. *All international funds are converted to US dollars using the average exchange rate for award year.*

Grant/Expedition Funding

2020 **Shevenell, A.E. (PI)**. Supplement to NSF ANT AES #1744970: Deglacial to recent paleoceanography of the Sabrina Coast, East Antarctica: A multiproxy study of ice-ocean interactions at the outlet of the Aurora Subglacial Basin: **\$49,027**.

2020 Rosenehim, B.R. (PI) and **Shevenell, A.E. (co-PI)**: Supplement to NSF ANT AES#1644117: Collaborative Research: Time Matters - A Comparison of Diatom ¹⁴C and Thermochemical ¹⁴C Dating Methods in Sediment Records of Ice Retreat from the East and West Antarctic Margins. **\$55,000**.

2020-2023 **Shevenell, A.E. (PI)**. NSF ANT AES #1947646: Collaborative Proposal: Miocene Climate Extremes: A Ross Sea Perspective from IODP Expedition 374 and DSDP Leg 28 Marine Sediments, **\$434,524**.

2019 **Shevenell, A.E. (PI)** REU Supplement to NSF ANT AES #1744970: Deglacial to recent paleoceanography of the Sabrina Coast, East Antarctica: A multiproxy study of ice-ocean interactions at the outlet of the Aurora Subglacial Basin, **\$12,000**.

- 2019-2021** Shevenell, A.E. (PI), *Guitard, M. (Co-PI; 2018), IODP Expedition 382 PEA: Early Pleistocene temperature changes across the southern ACC boundary, USSSP, **\$18,000**.
- 2018-2022** Shevenell, A.E. (Associate Investigator) led by R. McKay (PI; Victoria University Wellington, NZ), Antarctic Ice Sheet interactions with the ocean during past warm climates, Royal Society of New Zealand Marsden Fund grant, **\$960,000NZ (\$661,482 US)**.
- 2018-2020** Shevenell, A.E. (PI), IODP Expedition 374 PEA: Miocene to Pleistocene ice volume, ocean temperature, bottom water ventilation, and productivity over the Ross Sea Continental shelf, Antarctica: Insights from stable isotope and trace element studies of foraminifers and bulk sediments, USSSP, **\$18,000**.
- 2018-2020** Shevenell, A.E. (PI), *Browne, I (Co-PI), IODP Expedition 374 PEA: Exploring early to middle Miocene polar amplification: Biomarker reconstructions of oceanic and atmospheric temperatures from IODP Expedition 374, Site U1521, USSSP, **\$18,000**.
- 2018-2022** Shevenell, A.E. (PI). NSF ANT AES \$4,094,: Deglacial to recent paleoceanography of the Sabrina Coast, East Antarctica: A multiproxy study of ice-ocean interactions at the outlet of the Aurora Subglacial Basin (**\$305,139**)
- 2018-2020** Shevenell, A.E. (PI), IODP Expedition 374–Ocean-ice sheet interactions and West Antarctic Ice Sheet vulnerability: Clues from the Neogene and Quaternary record of the Ross Sea continental margin, USSSP, **\$56,716**.
- 2018** Shevenell, A.E. (PI), NSF ANT AES #1246378. Late Quaternary Evolution of the Lambert Glacier/Amery Ice Shelf System, Prydz Bay, Antarctica (**\$42,689; supplement**).
- 2018** McKay, R., DeSantis, L., Shevenell, A., Bart, P., Williams, T., Levy, R., Bartek, L., Sjunneskog, C., Orsi, A., Warny, S., DeConto, R., Pollard, D., Suganuma, Y., and J. Hong, IODP Expedition 374: Ocean-ice sheet interactions and West Antarctic Ice Sheet vulnerability: Clues from the Neogene and Quaternary record of the Ross Sea continental margin. Scheduled: *JOIDES Resolution*, January 4-March 8, 2018 (**\$12,000,000**).
- 2017** Shevenell, A.E. (PI), Gulick, S.P.S., Naish, T., Williams, T., Van de Fleirdt, T., Warny, S., Armand, L., Bohaty, S., Uenzelmann-Neben, G., Levy, R., Aitken, A., Rob McKay, R., Stoner, J., Patterson, M., Palike, H., Sangiorgi, F., and J. Biddle. 931-Pre: East Antarctic Ice Sheet evolution and paleoclimate of the Aurora Basin since the late Cretaceous. A mission specific platform proposal to drill the Sabrina Coast Shelf, IODP Science Evaluation Panel (**Recommended for Full Proposal**).
- 2017** Gurnis, M., Shevenell, A.E. (Co-PI; 2017), *Workshop*: IODP Australasian Regional Workshop in 2017 for building new IODP Proposals, US Science Support Program, **\$40,000**.
- 2017-2022** Rosenheim, B.E. (PI), Shevenell, A.E. (Co-PI), and A.E. Ingalls (UW; Co-PI), NSF ANT AES #1644117: Collaborative Research: Time Matters- A comparison of diatom ¹⁴C and thermochemical ¹⁴C dating methods in sediment records of ice retreat from East and West Antarctic margins, **\$439,405**.

- 2016-2017** Williams, T., **Shevenell, A.E.**, Gulick, S.P.S., Kulhanek, D., Domack, E.W., McKay, R., DeSantis, L., and C. Escutia. *Workshop: Antarctica's Cenozoic ice and climate history: New science and new challenges of drilling in Antarctic waters*, US Science Support Program, **\$39,690**.
- 2016** USF Conference Support Grant, Welcome reception for the International Ocean Discovery Program, **\$2,500**
- 2015** **Shevenell, A.E.**, National Science Foundation Division of Polar Programs travel award, SCAR International Symposium on Antarctic Earth Sciences, Goa, India, **\$1,200**.
- 2014** R. Levy; Co-Proponents (Alphabetical): Bohaty, S., DeConto, R, Florindo, F., Gebhardt, C., Harwood, D., Jovane, L., Kulhanke, D., Lee, J., McKay, R., Naish, T., Paulsen, T., Rack, F., **Shevenell, A.**, Sugauma, Y., Wellner, J., and D. Wilson. ICDP: The Coulman High project: Drilling beneath the Ross Ice Shelf to understand Antarctic ice sheet sensitivity to climatic and tectonic forcing in a high CO₂ world. (**\$1,000,000**; June 2014. Funds allocated and available contingent on matching from NSF and/or IODP).
- 2013-2017** **Shevenell, A.E.** (PI), NSF OPP #1246378. Late Quaternary Evolution of the Lambert Glacier/Amery Ice Shelf System, Prydz Bay, Antarctica, **\$267,712**.
- 2013-2014** **Shevenell, A.E.** (PI), Wilson, K.E., Swann, G., and M.J. Leng, NERC Isotope Geosciences Facility Award, IP-1348-1112: A Role for the North Pacific in deglacial atmospheric CO₂ rise? **£18,000 (\$28,326)**.
- 2013** **Shevenell, A.E.**, Consortium for Ocean Leadership. Ross Sea IODP proposal writing workshop, USF College of Marine Science, **\$5,000** (June 11-16).
- 2011-2014** **Shevenell, A.E.**, Maslin, M., Davies, M., Guilderson, T., and I. Hendy, NERC. A role for the North Pacific Ocean in deglacial atmospheric CO₂ rise? **£464,904 (\$731,620**; based on average exchange rate for award period).
- 2010** UCL Graduate School Research Project Grant, West Antarctic Ice Sheet and global sea level variations in the late Miocene (7-5 Ma): Insights from the oxygen isotopic composition of seawater, **£1,400 (\$2,310)**
- 2010** UCL Dean's Travel Fund, 10th International Conference on Paleoceanography, San Diego, CA, August 29-September 3, 2010. **£750 (\$1,240)**.
- 2008-2010** M.Sc. Research Fund, UCL ENSIS Ltd. Trust, £500/student, 5 students; **£2,500; \$4,250**
- 2008-2009** UCL Graduate School Staff Conference Fund, £600/trip (AGU 2008, 2009; **£1,200; \$2,160**).
- 2008** Maslin, M., McArthur, J., Robinson, S., **Shevenell, A.**, and Thurow, J., UCL Capital Infrastructure Funds for an interdepartmental environmental ICP-MS Facility, **£350,000 (\$700,000)**.
- 2007-2010** S. Hautala (PI), **Shevenell, A.**, (Co-PI), Thompson, L. (Co-PI), and P. Johnson (Co-PI), NSF OCE Physical Oceanography #0726519. Ocean circulation and climate impacts of proglacial lake outbursts into the Northeastern Pacific Ocean, **\$605,752**.

- 2007-2009** S. Emerson (PI), **Shevenell, A.**, (Co-PI; Primary author), and M. Brzezinski (Co-PI; UCSB), NSF OCE Marine Geology and Geophysics Award #0729954. *SGER-Collaborative Research: Paleooceanographic evidence for changes in ocean circulation and the ecological effects of iron fertilization in the Northwest Pacific (0-20 ka)*, **\$53,111**.
- 2006-2008** S. Emerson, Ingalls, A., and **A. Shevenell** (Co-PI; primary author), NSF OPP Award #0620099. *SGER: Extracting Holocene sea surface temperature, ventilation, and productivity records from Antarctic continental margin sediments: Novel geochemical insights from Palmer Deep*, **\$26,953**.
- 2005** **A. Shevenell** (PI), UW Program on Climate Change. Trace metals in Antarctic Holocene Sediments, **\$3,500**.
- 2003-2005** J.P. Kennett (PI) and **A. Shevenell** (Primary author), NSF OPP Award #0229898. The middle Miocene climate transition: Investigating magnitude, phasing, and processes involving cryosphere expansion and global cooling, **\$111,093**.
- 2000-2001** J.P. Kennett (PI) and **A. Shevenell** (Primary author), JOI/USSSP Post-Cruise Funding, ODP Leg 189. High-resolution stable isotopic and foraminifer investigations of the middle to late middle Miocene climate transition: ODP Leg 189, South Tasman Rise, **\$20,000**.

3. Graduate Student Funding and Awards

Total Cumulative Sum of Graduate Student Funding Since 2011: \$872,557.65

3a. External Salary Fellowships

USF

1. Imogen Browne:

2015-2016 New Zealand Fulbright Science and Innovation Graduate Award **\$33,000**.

2. Michelle Guitard

2014-2020 McKnight Doctoral Fellowship, Florida Education Fund, **\$125,000** (5 years).

2013 NSF Graduate Research Fellowship Program, Honorable Mention.

3. Kara Vadman

2016-2019 NSF Graduate Research Fellowship, **\$138,000**

4. Tasha Snow

2013-2016 NSF Graduate Research Fellowship, **\$108,000**.

2012-2013 Schlanger Ocean Drilling Fellowship, Consortium for Ocean Leadership, **\$30,000**.

UCL

1. William Gray

2010-2014 NERC Studentship, UCL Geography, **£40,000 (\$66,000)**

3.b. Internal USF Student Fellowships

- 1. Imogen Browne:** William and Elsie Knight Endowed Fellowship for Marine Science (**\$25,000** and **\$2,000/yr** for expenses) (2017-graduation).

2. **Michelle Guitard:** Lorton Fellowship, University of South Florida College of Marine Science, **\$10,000** (2019), Lorton Fellowship, **\$10,000** (2018), Thomas E. Pyle Memorial Fellowship, **\$10,000** (2017), Alfred P. Sloan Foundation/ FGLSAMP Bridge Fellowship, **\$33,500** (2013-2014), FGLSAMP Bridge to the Doctorate Fellowship (NSF HRD #1139850), **\$33,500** (2012-2013).
3. **Emily Kaiser:** Anne and Werner Von Rosenstiel Fellowship in Marine Science, **\$24,000** (2020).
4. **Catherine Prunella:** Lake Fellowship, **\$13,000** (2019), Thomas E. Pyle Memorial Fellowship, **\$10,000** (2018), Anne and Werner Von Rosenstiel Fellowship in Marine Science, **\$23,000** (2017).
5. **Kara Vadman:** USF Dissertation Completion Fellowship, **\$8,000** (2020); Thomas E. Pyle Memorial Fellowship, **\$10,000** (2019), USF Southern Kingfish Association Fellowship, **\$10,000** (2016; declined due to NSF GRFP; awarded **\$3,000**). USF Southern Kingfish Association Fellowship, **\$10,000** (2015-2016); Anne and Werner Von Rosenstiel Fellowship in Marine Science, **\$23,000** (2014).
6. **Carlie Williams:** Knight Endowed Fellowship in Marine Science, **\$54,000** (total; 2012-2014).

3c. External Student Research Funding

1. Imogen Browne

- 2018** Shipboard Science Party (Physical Properties), IODP Expedition 374, USSSP, PI: Shevenell; **\$7,897**.
- Association for Women Geoscientists (AWG) Takken Travel Award, **\$500**.
- 2016** Joseph A. Cushman Award for Student Travel, **\$871.50**.
- International Conference on Paleooceanography Student Travel Award, **\$400**.

2. Michelle Guitard

- 2019- 2020** Shipboard Science Party (Physical Properties), IODP Expedition 382, USSSP, PI: Shevenell; **\$8,224.15**.
- 2016** International Conference on Paleooceanography Student Travel Award, **\$400**.
- 2015** National Science Foundation Division of Polar Programs travel award, SCAR International Symposium on Antarctic Earth Sciences, Goa, India, **\$1,900**.
- 2014** NSF East Asia and Pacific Summer Institutes for US Graduate Students (EAPSI), *Host:* Dr. Y. Yokoyama, U. of Tokyo, **\$10,000**.
- 2013** 3rd Prize, Graduate Student Symposium, USF CMS, **\$250**.

3. Tasha Snow

- 2014** Antarctic Science Bursary: Co-PI: **A. Shevenell**, **\$7,975**.
- 2013** Student Travel Grant, 11th International Conference on Paleooceanography, Sitges, Spain, September 1-6, **€500 (~\$670)**.
- Geological Society of America Graduate Student Research Grant; **\$2,125**.

- 2012 Charles H. Bussmann Graduate Scholarship, **\$2,500.**
- 4. Kara Vadman**
- 2016 International Conference on Paleoceanography Student Travel Award, **\$400.**
- 2016 Loeblich & Tappan Student Research Award, Cushman Foundation, **\$1,500.**
- 2015 Garry Jones & Brian O'Neill Memorial Grant for NAMS Student Research, North American Micropaleontology Section, Society for Sedimentary Geology, **\$1,000.**
- 5. Carlie Williams**
- 2016 Student Travel Grant, 11th International Conference on Paleoceanography, Sitges, Spain, September 1-6, **€500 (~\$670).**
- 2013 Geological Society of America Graduate Student Research Grant, **\$1,275.**

UNIVERSITY SERVICE SINCE 2011

1a. USF CMS Standing/Ad hoc Committees

- Ongoing **Chair**, USF CMS Deans Advisory Council (
- Ongoing **Chair and Organizer**, USF CMS Seminar Series
- Ongoing **Chair**, USF CMS Eminent Scholar Lecture Series Planning Committee
- Ongoing **Member**, USF CMS Website Committee
- Ongoing **Member**, USF CMS Space Committee
- Ongoing **Member**, USF CMS Student Recruitment Committee
- Ongoing **Member**, USF CMS Chem Lab Advisory Committee
- 2018-2020 **Geological Oceanographer Member**, Deans Advisory Council
- 2017-2019 **Member**, USF CMS IMSE committee
- 2018-2019 **Judge**, Graduate Student Symposium,
- 2011-2012 **Member**, USF CMS Ad-Hoc Undergraduate Teaching Committee

1b. USF CMS Hiring Committees

- 2018-2019 **Co-Chair/Chair, Search Committee Member**, Geological Oceanography Search
- 2014-2015 **Search Committee Member**, Physical Oceanography Search
- 2012-2013 **Search Committee Member**, Chemical Oceanography Search
- 2012-2013 **Search Committee Member**, Paleoceanography Search

1c. USF University Committees

- Ongoing **Member**, Global Risk Assessment Committee (GRAC)
- 2019 **Delegate**, Presidential Inauguration Ceremony

TEACHING/MENTORING

1. Post-doctoral/Researcher Mentoring

- Ongoing** **Dr. Isabel Romero**, Associate Researcher, USF CMS (2019-present). Dr. Romero was awarded an Early-Career Fellowship from the Gulf Research Program of the NAS. As part of that program, she is required to find an official career mentor.
- 2011-2014** **Dr. Katy Wilson**, UCL/USF, NERC Postdoctoral Research Associate.
- 2012-2013** **Dr. Montserrat Alonso-Garcia**, USF, *Present*: Research Associate at the University of Salamanca, Spain.

2. Graduate Student Mentoring

2.a. Current USF Graduate Students (Dissertation/Thesis Director)

Imogen Browne, Ph.D. student (2015-present), *Dissertation*: Role of the Southern Hemisphere Westerlies from the last deglaciation to the middle Miocene: Insights from Antarctic margin sediments, Advanced to candidacy 2019.

Emily Kaiser, Ph.D. student (2020-present), *Dissertation*: TBD

2b. USF Degrees Granted (Dissertation/Thesis Director)

- 2014** **Dr. Clare Williams**, Ph.D. *Dissertation*: A multi-proxy approach to understanding abrupt climate change and Laurentide Ice Sheet melting history based on Gulf of Mexico sediments. *Present*: Science Teacher, St. Pete. High School.
- 2014** **Tasha Snow**, MSc. *Thesis*: Timing of Svalbard/Barents Sea Ice Sheet deglaciation. *Present*: Ph.D. student, UColorado, Boulder.
- 2015** **Michelle Guitard**, MSc., 2015. *Thesis*: Millennial-scale variability of a major East Antarctic outlet glacier during the last glaciation. *Present*: USF CMS Ph.D. student
- 2020** **Catherine Prunella**, M.Sc., 2020. *Thesis*: Plio-Pleistocene Antarctic Ice-ocean interactions in the Ross Sea. *Present*: Program Assistant, NSF Divisions. of Undergraduate Research and Antarctic Sciences.
- 2021** **Dr. Kara Vadman (pending dissertation revisions)**, *Dissertation*: Holocene ocean temperatures proximal to Totten Glacier.
- 2021** **Dr. Michelle Guitard (pending dissertation revisions)**, *Dissertation*: Late Quaternary to Pliocene evolution of the Amery Ice Shelf system, Prydz Bay, East Antarctica.

2.c. UK Ph.D. Degrees Granted

- 2014** **Dr. William Gray**, Ph.D. University College London, Geography Department NERC Studentship, 2010; *Past*: Postdoctoral Researcher at UCSB Department of Geological Sciences with Prof. D.W. Lea and Dr. S. Weldeab, 2014-2016; Postdoctoral Researcher with Dr. J. Rae, St. Andrews, Scotland, 2016-2019. *Present*: Researcher, Laboratoire des Sciences du Climat et de l'Environnement, Universite de Versailles, Paris, France.
- 2014** **Dr. Anna Drury**, Ph.D. Imperial College (co-supervised with Dr. C. John, Imperial College); *Past*: Postdoctoral researcher at MARUM/University of Bremen (2014-2020); *Present*: Marie Curie Fellow, UCL).

2.d. RHUL/UCL Quaternary Science MSc. Degrees Granted

- 2010 William Gray, Elsevier Prize for Best Dissertation.
2010 Matthew Clarkson, *Present*: Associate Researcher, University of Otago (NZ).
2010 Jon Hancock
2009 Emma Kahdun, *Past*: Ph.D. Student at Christian Albrecht Universitat Kiel.
2008 Rachel Downy, *Past*: Technician, British Antarctic Survey; *Present*: Researcher at Senckenberg Research Institute Frankfurt, Germany.

2.e. UCL Earth Science M.Sc. Degrees Granted

- 2011 Stephanie McClennan, Earth Science MSc. *Present*: Journalist with UNESCO.
2009 Mel Green, UCL Earth Science MSc. 2009. *Present*: Research Assistant at UCL Earth Sciences.

2.f. UCL Micropaleontology MSc. Degrees Granted

- 2008 Helen Griffin, UCL Micropaleontology MSc.
2008 Nick Harvey, UCL Micropaleontology MSc. *Present*: Consulting geologist.

3. Graduate Student Committee Member

3a. USF College of Marine Science

- 2015-2020 Ryan Venturelli, Ph.D. student, *Advisor*: B. Rosenheim
2009-2018 Elizabeth Browne, Ph.D. (2018), *Advisor*: P. Hallock-Muller
2016- Dylan Peck, MSc. student, *Advisor*: B. Rosenheim
2015- Theresa King, Ph.D. student, *Advisor*: B. Rosenheim
2015-2018 Caitlin Reynolds, MSc.(2018), *Advisor*: B. Rosenheim
2014-2016 Catherine Smith, MSc. (2016), *Advisor*: P. Hallock-Muller
2013-2017 Cristina Subt, Ph.D. (2017), *Advisor*: B. Rosenheim
2011-2013 Dominika Wojciezek, Ph.D. student, *Advisor*: B. Flower/B. Byrne

3b. UCL Internal Examiner

- 2009 UCL Internal Ph.D. Examiner, Dr. Alex Dickson, UCL Geography, *Advisor*: M. Maslin; *External Examiner*: D. Hodell.

3c. International External Ph.D. Examiner

- 2020 External Ph.D. Examiner, Dr. Hannah Chorley, Victoria University Wellington, New Zealand, *Advisors*: T. Naish, R. Levy, *Internal Examiner*: R. McKay.
2010 External Ph.D. Examiner, Dr. Christine Euler, University of Bergen, Department of Earth Sciences, Norway, *Advisors*: U. Ninnemann, H.K Kleiven; *Second External Examiner*: E. Michel; *Internal Examiner*: E. Jansen.

4. Undergraduate Student Mentoring

- 2019 Richard Rivera, Medgar Evers College, NSF REU student.
2015 Kristen Zitkus, Eckerd College, undergraduate summer intern.
2014 Hannah Shapiro, Eckerd College, *Honors Thesis*: Carbon preservation in eastern Fram Strait following the Last Glacial Maximum.
2005-2007 Stefanie Keever, BS, UWashingon.
2006-2007 Celia Kelly (deceased), BS, UWashingon.

- 2006** *Dr. Maureen Davies Walzack*; MS and BS, UWashingon. Ph.D., Oregon State University; Present: Research Assistant Professor, Oregon State University;
- 2002** *Dr. Justine Kimball* (2002) BS, University of California Santa Barbara. Ph.D., Stanford University. Now: Senior Program Manager; Cal. Natural Resources Agency and Ocean Protection Council.

Formal Classroom Teaching

1. USF College of Marine Science (2011-Present)

Geological Oceanography (OCG6051; 3 credits; co-taught), **Coordinator and Instructor**, Spring 2012 (I); Spring 2013 (I), 2014 (I), 2016 (C), 2017 (I), 2018 (I), 2019 (C). 2020 (C), 2021 (I)).

Topics in Paleoceanography and Paleoclimatology Seminar (OCE6934-644; 2 credits), **Convener**, *The Holocene*, Spring 2012; *Past Climate Sensitivity*, Fall 2016; *High Latitude Paleoceanography*: Spring 2017; *Cenozoic Climate Evolution*: Fall 2018; *Academic Writing*: Fall 2019.

Paleoceanography (OCE6934-644; 3 credits), **Convener**, Fall 2015.

Antarctic Research Methods* (OCE6934-644; 3 credits), **Convener**, Fall 2013, Spring 2014.

Stable Isotopes in Marine Science (OCE6934-621; 3 credits), **Instructor**, Spring 2013.

2. University College London (2007-2011)

GEOG1008 First year tutorial, Tutor, UCL Geography, Annually: 2008, 2009, 2010. 2011.

GEOG1002: Environmental Systems and Processes, Convener/Lecturer, UCL Geography (Fall 2008 (L), 2009 (C), 2010 (C)).

GEOG3007: Past Global Environmental Change, Instructor, UCL Geography/Earth Sciences (Spring 2008, 2009, 2010, 2011)

GEOL3042: Geological and Environmental Mapping*, Instructor, UCL Earth Sciences (Summer/Fall 2008, 2009, 2010).

GG5291: Paleoclimate (Postgraduate), Convener, Royal Holloway University of London (RHUL)/UCL Quaternary Science MSc (Fall 2008, 2009, 2010).

GG17: Paleoceanography (Postgraduate), Instructor, UCL Earth Sciences MSc (Spring 2011).

3. UCSB/UWashington (1998-2006)

Guest Lecturer, Oceanography 450, University of Washington (2006).

Teaching Assistant, UCSB: *Antarctica* (GS10: 2001-2003), *History of Life* (GS 30; 1998), *Introduction to Oceanography** (GS 4; 1999, 2000), *Sedimentology and Stratigraphy** (GS 122; 1998).

*Involved field instruction

FIELD EXPERIENCE

- 2018 (2 months)** **Proponent/Lead Shipboard Sedimentologist**, *JOIDES Resolution*, IODP Exp. 374 (Ross Sea, Antarctica)
- 2014 (2 months)** **PI/Watch Chief**, *RVIB N.B. Palmer*, NSF ANT #1443837 (Totten Glacier, East Antarctica)
- 2013 (1 month)** **Chief Scientist**, *RV L.M. Gould*, NSF ANT #1443981 (WAP)
- 2012 (1 month)** **Co-Chief Scientist**, *RV L.M. Gould*, NSF ANT #1443981 (WAP)
- 2005 (10 days)** **Research Assistant**, *RV T. Thompson*, (Cascadia Basin, WA)
- 2002 (5 days)** **Research Assistant**, *RV/IB N.B. Palmer* (Santa Barbara Basin, CA)
- 2001 (2 months)** **Research Scientist**, *RV/IB N.B. Palmer*, NSF OPP #9909367 (East Antarctic Margin)
- 2000 (2 months)** **Shipboard Sedimentologist**, *JOIDES Resolution*, ODP Leg 189 (South Tasman Rise)
- 1998 (2 months)** **Research Assistant** *RV L.M. Gould*, NSF OPP-RUI #9418153 (WAP)
- 1995 (2 months)** **Undergraduate Assistant**, *RV/IB N.B. Palmer*, NSF OPP-RUI #9418153 (Bransfield Strait to Lyttleton, NZ)

INVITED TALKS/ SEMINARS (since 2011)

(does not include IODP Distinguished Lecturer seminars)

1. Invited Conference Talks

- Keynote, Women in Earth Science Conference, University College London, UK (June 2020; cancelled due to COVID-19)
- Interdisciplinary Antarctic Earth Sciences Conference, Julian, CA (October, 2019).
- Women in Antarctica: Celebrating 50 Years of Exploration, Byrd Polar and Climate Research Center, Ohio State University (October 2019).
- Joint PAIS-PRAMSO-AISSL Meeting, SCAR, Incheon, Korea (July, 2019)
- Miocene Climate Conference, Bolin Centre for Climate Research, Stockholm University (June, 2019)
- American Geophysical Union, AGU Fall Meeting (December, 2016).
- University of Washington, Program on Climate Change, Summer Institute, Friday Harbor Washington (September 2016).
- SCAR International Symposium on Antarctic Earth Sciences (July, 2015).
- 11th International Conference on Paleoceanography. Sitges, Spain (September, 2013).
- Invited talk by USF Ph.D. student C. Williams at the Comer Science Meeting (2013).
- XXXII SCAR Meetings and Open Science Conference, Portland, Oregon (July 2012).

2. Invited Departmental Seminars

- University of Southern Mississippi, Department of Marine Science (2019)
- Louisiana State University, Department of Geology and Geophysics (2018)
- University of Washington, Earth and Space Sciences (2018)
- Northern Illinois University, Department of Geology and Environmental Geosciences (2017)
- University of Florida, Department of Geological Sciences (2015)

- Macalester College, Department of Geology (2014)
- University of Texas Austin, Institute for Geophysics (2014)
- British Antarctic Survey, Cambridge UK (2014).
- Weekly Science Talk, Palmer Station, Antarctica (2012)
- Old Dominion University, Center for Coastal Physical Oceanography (2012)
- University of South Carolina, Department of Earth and Ocean Sciences (2012)
- Peking University, School of Earth and Space Science, Beijing, China (2012)
- State Key Laboratory of Earthquake Dynamics, Institute of Geology, China Earthquake Administration, Beijing, China (2012)
- Tongji University, Department of Marine Geology, Shanghai, China (2012)
- University of South Florida, College of Marine Science (2011)
- University of Rochester, Department of Geological Sciences (2011; two talks)

CONFERENCE ABSTRACTS (since 2011)

*Student Author

- Rosenheim, B.E., Subt, C., Browne, I.M., King, T.M., Campbell, T., Bart, P.J., Dore, J.E., Harwood, D.M., Kingslake, J., Lee, J-I., Leventer, A., Michaud, A.B., Patterson, M., **Shevenell, A.E.**, Siegfried, M., Skidmore, M.L., Yoo, K-C., Yoon, H-I, and the SALSA Science Team, 2020. PP014-03: What can advances in Antarctic deglacial sediment 14C dating tell us about grounding line evolution? *American Geophysical Union Virtual Fall Meeting*, 1-17 December, 2020.
- King, T.M., Rosenheim, B.E., **Shevenell, A.E.**, Ingalls, A.E., and L. Carlson, 2020. C037-0006: New East Antarctic margin radiocarbon chronologies reveal younger deglacial timing than previously dated carbonate-poor sediments, *American Geophysical Union Virtual Fall Meeting*, 1-17 December, 2020.
- Varela, N., Romans, B.W., Patterson, M., Ash, J., Kulhanek, D., De Santis, L., McKay, R., and the **IODP Expedition 374 Scientists**, 2020. C037-0007: Sedimentary record of Antarctic Bottom Water (AABW) outflow in the Ross Sea since 3.3 Ma (IODP Sites U1524 and U1525). *American Geophysical Union Virtual Fall Meeting*, 1-17 December, 2020.
- Pérez, L.F., De Santis, L., McKay, R.M., Larter, R.D., Ash, J., Bart, P.J., Böhm, G., Brancatelli, G., Browne, I., Colleoni, F., Dodd, J.P., Geletti, R., Harwood, D.M., Laberg, J.S., Leckie, R.M., Levy, R.H., Marschalaek, J., Mateo, Z., Naish, T.R., Sangiorgi, **Shevenell, A.**, Sorlien, C.C., van de Fliert, T., and IODP Expedition 379 Scientists, 2020. Early and middle Miocene ice sheet dynamics in the Ross Sea: results from integrated core-log-seismic interpretation. *Geoscience Society of New Zealand Annual Conference 2020*, Christchurch, New Zealand, 22–25 November 2020.
- *Christopoulou, M., Dodd, J. Browne, I., **Shevenell, A.E.**, McKay, R.M., De Santis, L.M., Kulhanek, D.K, and the Expedition 374 Scientists, 2020. Abstract #357535: The influence of a dynamic Antarctic ice sheet on silicate weathering and biogenic opal production in the Ross Sea, Antarctica during the Miocene Climatic Optimum, GSA 2020 (Virtual), October 26-30, 2020.
- Conte, R., Rebesco, M., Gales, J., De Santis, L., Colleoni, F., Zgur, F., Bensi, M., Kovacevic, V., Bergamasco, A., Accettella, D., and the **Expedition 374 Scientists**, 2020. The Odysseya Contourite Depositional System (Ross Sea): a combined record of ice sheet and ocean activity. *XXXVI SCAR Open Science Conference*, Hobart, Australia, 3–7 August 2020 (Virtual).

- *Rivera, R., *Vadman, K.J., **Shevenell, A. E.**, Leventer, A. R., Rosenheim, B. E., Gulick, S. P. S., and B. Huber, 2019. Holocene to recent sediment transport on the Sabrina Coast: Grain Size Analyses via laser diffraction. *American Geophysical Union Fall Meeting 2019*, San Francisco, CA, USA, 9–13 December 2019.
- Rosenheim, B. E., Suzuki, K., King, T.M., Polyak, L., Yamamoto, M., **Shevenell, A.E.**, and A.E. Ingalls, 2019. Unmixing mixtures of carbon for accurate ages of ice-proximal glaciomarine continental margin sediments. *American Geophysical Union Fall Meeting 2019*, San Francisco, CA, USA, 9–13 December 2019.
- *Duffy, M., Smith, C., Warny, S., Askin, R., Tibbett, E.J., Feakins, S.J., **Shevenell, A.E.**, Gulick, S.P.S., and A.R. Leventer, 2019. Vegetation prior to and during onset of East Antarctic glaciation: High resolution palynological insights from Sabrina Coast, East Antarctica. *American Geophysical Union Fall Meeting 2019*, San Francisco, CA, USA, 9–13 December 2019.
- Ash, J., Franca, A., Biddle, J.F., Giovannelli, D., Singh, S.M., and the **Expedition 374 Science Party**, 2019. Microbial sediment community changes from the Last Glacial Maximum to modern beneath the Ross Sea. *American Geophysical Union Fall Meeting 2019*, San Francisco, CA, USA, 9–13 December 2019.
- **Shevenell, A.E.**, Browne, I.M., Dodd, J.P., Leckie, R.M., Sangiorgi, F., Seki, O., McKay, R.M., De Santis, L., Kulhanek, D., and the Expedition 374 Scientists, 2019. Orbital-scale record of Ross Sea ocean temperature across the Miocene Climatic Optimum and Middle Miocene Climate Transition. *American Geophysical Union Fall Meeting 2019*, San Francisco, CA, USA, 9–13 December 2019.
- Constantino, R.R., Tinto, K.J., Bell, R.E., and **IODP Expedition 374 Scientists**, 2019. Basement structure of the Ross Sea from gravity inversion. *American Geophysical Union Fall Meeting 2019*, San Francisco, CA, USA, 9–13 December 2019.
- Dodd, J., Lehman, A., Abbott, T., Ash, J., Xiong, X., van de Flierdt, T., McKay, R., De Santis, L., Kulhanek, D., and **IODP Expedition 374 Scientists**, 2019. Oxygen isotope values of biogenic silica: Diagenesis and utility as a paleoenvironmental proxy. *American Geophysical Union Fall Meeting 2019*, San Francisco, CA, USA, 9–13 December 2019.
- McKay, R.M., De Santis, L., Kulhanek, D.K., and the **IODP Expedition 374 Scientific Party**, 2019. Ross Sea West Antarctic Ice Sheet History in the Late Cenozoic: Initial sediment core results from IODP Expedition 374. *American Geophysical Union Fall Meeting 2019*, San Francisco, CA, USA, 9–13 December 2019.
- Sangiorgi, F., Wubben, E., Browne, I., **Shevenell, A.**, Dodd, J.P., Prebble, J., Bijl, P.K., McKay, R.M., De Santis, L., Kulhanek, D.K., and the **Expedition 374 Scientists**, 2019. Ocean properties and Antarctic cryosphere dynamics during the early and middle Miocene: results from the IODP Expedition 374 (Ross Sea). *American Geophysical Union Fall Meeting 2019*, San Francisco, CA, USA, 9–13 December 2019.
- *Seidenstein, J.L., Leckie, R.M., McKay, R.M., De Santis, L., Kulhanek, D., and the **IODP Expedition 374 Scientists**, 2019. Quaternary paleoceanography of the Ross Sea, Antarctica based on benthic and planktonic foraminifera (Site U1523). *American Geophysical Union Fall Meeting 2019*, San Francisco, CA, USA, 9–13 December 2019.
- *Varela, N., Romans, B.W., Patterson, M., Dodd, J., McKay, R., De Santis, L., Kulhanek, D., and **IODP Expedition 374 Scientists**, 2019. A physical record of Antarctic Bottom Water (AABW) outflow in the Ross Sea from the late Pliocene (3.3 Ma) through present. *American*

Geophysical Union Fall Meeting 2019, San Francisco, CA, USA, 9–13 December 2019.

- Sangiorgi, F., Wubben, E., Boshuis, C., *Browne, I., **Shevenell, A.**, Hoem, F., Bijl, P.K., McKay, R.M., De Santis, L., Kulhanek, D.K., and the Expedition 374 Scientists, 2019. Ocean properties and Antarctic cryosphere dynamics during the Miocene Climatic Optimum: first results from the IODP Expedition 374 (Ross Sea) in a circum-Antarctic context. *Netherlands Polar Symposium 2019*, The Hague, Netherlands, 21 November 2019.
- **Shevenell, A.**, Gulick, S., Naish, T., Leventer, A., Williams, T., van De Flierdt, T., Warny, S., Armand, L., Levy, R., Aitken, A., Uenzelmann-Neben, G., McKay, R., Stoner, J., Biddle, J., Thompson, A., 2019. Invited: East Antarctic Ice Sheet evolution and paleoclimate of the Aurora Subglacial Basin since the Late Cretaceous: Proposed geologic drilling on the Sabrina Coast continental shelf. Antarctic Integrated Earth Sciences Meeting, Julian, CA, October 5–7, 2019.
- *Vadman, K.J., **Shevenell, A.E.**, Leventer, A., Gulick, S.P.S., Mawbey, E., Huber, B., Rosenheim, B.E. (2019) Deglacial to Holocene Circumpolar Deep Water influence over the Sabrina Coast continental shelf, East Antarctica. 13th International Conference on Paleoceanography, Sydney, Australia, 2-6 September.
- *Guitard, M., **Shevenell, A.E.**, Hommeyer, M.H., Leventer, A., and P. Manley (2019). Holocene ocean thermal forcing of an East Antarctic outlet glacier: Geochemical and sedimentological evidence for ice-ocean interactions in Svenner Channel, Prydz Bay. 13th International Conference on Paleoceanography, Sydney, Australia, 2-6 September.
- *Browne, I., **Shevenell, A.E.**, Dodd, J.P., Sangiorgi, F., McKay, R.M., De Santis, L., Kulhanek, D., and the Expedition 374 Science Party (2019). Antarctic Ice Sheet growth during the Miocene Climatic Optimum: An orbitally-resolved paleotemperature reconstruction from IODP Site U1521 in the Ross Sea. 13th International Conference on Paleoceanography (ICP13), Sydney, Australia, 2-6 September.
- *Griffin, B., McKay, R., De Santis, L., Kulhanek, D., Gales, J., Patten, J., Patterson, M., *Prunella, C., **Shevenell, A.**, and the IODP Expedition 374 Scientific Party, 2019. Plio-Pleistocene Antarctic Slope Current in the outer Ross Sea, and linkages to West Antarctic ice Sheet variability. 13th International Conference on Paleoceanography (ICP), Sydney, Australia, 2–6 September 2019.
- Martínez-Méndez, G., Müller, J., Mollenhauer, G., and **IODP Expedition 374 participants**, 2019. Biomarker results from IODP Site U1524 (Ross Sea) and core PS111-15-2 (Weddell Sea) from MIS 5 to the Holocene: Upper ocean temperatures and past (ice algae) productivity). 13th International Conference on Paleoceanography (ICP), Sydney, Australia, 2–6 September 2019.
- McKay, R.M., De Santis, L., Kulhanek, D.K., and **the IODP Expedition 374 Scientific Party**, 2019. Ross Sea West Antarctic Ice Sheet History in the Late Cenozoic: Initial sediment core results from IODP Expedition 374. 13th International Conference on Paleoceanography (ICP), Sydney, Australia, 2–6 September 2019.
- Marschalek, J., van de Flierdt, T., Carter, A., Vermeesch, P., Siegert, M., Licht, K., McKay, R.M., De Santis, L., Kulhanek, D., and the **Expedition 374 Scientists**, 2019. A multi-proxy sediment provenance record of Antarctic Ice Sheet change in the early to middle Miocene: Preliminary results from IODP Site U1521 (Ross Sea). International Glaciology Society – British Branch Meeting, Newcastle, UK, 4–5 September 2019.
- Olivo, E., De Santis, L., Bart, P.J., Bergamasco, A., Gales, J., Bohm, G., Wardell, N., Colleoni, F., Kovacevic, V., Bensi, M., Rebesco, M., Forlin, E., Viezzoli, D., Cortese, G.,

McKay, R., Kulhanek, D., and the **Expedition 374 Scientists**, 2019. The Whales Deep Basin – Houtz and Hayes Bank system: slope processes and evolution model of the continental outer shelf and slope in the Southeastern Ross Sea (Antarctica). *IAS Meeting of Sedimentology*, Rome, Italy, 10–13 September 2019.

- Zurli, L., Perotti, M., Talarico, F.M., McKay, R., De Santis, L., Kulhanek, D.K., and the **IODP Expedition 374 Scientists**, 2019. Clast's provenance of Miocene glacio-marine sequences in the Ross Sea (Antarctica) from IODP_exp374 drillcores: a petrographic approach. *IAS Meeting of Sedimentology*, Rome, Italy, 10–13 September 2019.
- De Santis, L., Olivo, E., Sorlien, C., Kim, S., Granot, R., Sauli, C., Buseti, M., Wardell, N., Rui, L., Perez, L.F., Colleoni, F., Pochini, E., Wilson, D., Bart, P., McKay, R.M., Kulhanek, D., and **IODP Expedition 374 Scientific Party**, 2019. Ross Sea Miocene paleobathymetric reconstruction. *Italian Geological Society 2019*, Parma, Italy, 16–19 September 2019.
- Zurli, L., Perotti, M., Talarico, F.M., Cornamusini, G., McKay, R., De Santis, L., Kulhanek, D.K., and the **IODP Expedition 374 Scientists**, 2019. Petrographic characterization of gravel size clasts of the IODP_exp374 cores: implication for Miocene ice flows in the Ross Sea region (Antarctica). *Italian Geological Society 2019*, Parma, Italy, 16–19 September 2019.
- Martinez-Mendez, G., Müller, J., and the **IODP Expedition 374 Science Party** (2019). Upper ocean temperatures and past (ice algae) productivity in the Ross Sea from MIS5 to the Holocene: Biomarker results from IODP Site U1524. International Union for Quaternary Research (INQUA), Dublin IR, 25-31 July.
- *Browne, I., **Shevenell, A.E.**, Dodd, J.P., Sangiorgi, F., McKay, R.M., De Santis, L., Kulhanek, D., and the Expedition 374 Science Party (2019). Antarctic Ice Sheet growth during the Miocene Climatic Optimum: An orbitally-resolved paleotemperature reconstruction from IODP Site U1521 in the Ross Sea. XIII International Symposium on Antarctic Earth Science (ISAES), Incheon, Republic of Korea, 22-26 July.
- Colleoni, F., Bergamasco, A., De Santis, L., Pochini, E., Rebesco, M., Gales, J., McKay, R.M., Kulhanek, D.K., the OGS Explora Cruise 2017 Scientific Party, and the **Expedition 374 Scientists**, 2019. Ice-sheet ocean interactions at Hillary Canyon (Eastern Ross Sea, Antarctica) through time. *XIII International Symposium on Antarctic Earth Sciences (ISAES)*, Incheon, Republic of Korea, 22–26 July 2019.
- Conte, R., Rebesco, M., Gales, J., De Santis, L., Zgur, F., Kim, S., Accettella, D., Battaglia, F., Olivo, E., Kovacevic, V., Bergamasco, A., De Steur, L., Florindo-Lopez, C., Bensi, M., Viezzoli, D., Ursella, L., Colleoni, F., McKay, R., Kulhanek, D., and the **Expedition 374 Scientists**, 2019. The ODYSSEA contourite depositional system. Interpretation of seismic reflection profiles collected between the Iselin Bank and the Hillary Canyon (Ross Sea). *XIII International Symposium on Antarctic Earth Sciences (ISAES)*, Incheon, Republic of Korea, 22–26 July 2019.
- Gales, J., Rebesco, M., De Santis, L., Bergamasco, A., Kim, S., Olivo, E., Colleoni, F., Accettella, D., Kovacevic, V., McKay, R., Kulhanek, D., King, M., the OGS Explora Cruise 2017 Scientific Party, and **IODP Expedition 374 Scientists**, 2019. Reconstructing past slope processes in the Hillary Canyon, Ross Sea, Antarctica. *XIII International Symposium on Antarctic Earth Sciences (ISAES)*, Incheon, Republic of Korea, 22–26 July 2019.
- *Griffin, B., McKay, R., De Santis, L., Kulhanek, D., Gales, J., Patten, J., Patterson, M., *Prunella, C., **Shevenell, A.**, and IODP Expedition 374 Scientific Party, 2019. Plio-Pleistocene Antarctic Slope Current in the outer Ross Sea, and linkages to West Antarctic Ice Sheet variability. *XIII International Symposium on Antarctic Earth Sciences (ISAES)*, Incheon,

Republic of Korea, 22–26 July 2019.

- Kim, S., Lee, J.I., Lee, M.K., McKay, R.M., and the **IODP Expedition 374 Scientists**, 2019. Preliminary results of geochemical proxies (biogenic opal, TOC, and CaCO₃) at IODP Site U1523 on the Ross Sea continental shelf. *XIII International Symposium on Antarctic Earth Sciences* (ISAES), Incheon, Republic of Korea, 22–26 July 2019.
- Kim, S., De Santis, L., Hong, J.K., Gales, J., Rebesco, M., Olivo, E., Rui, L., Wardell, N., McKay, R., Kulhanek, D., and the **Expedition 374 Scientists**, 2019. Antarctic ice-sheet behavior in the Ross Sea outer continental margin in the late Miocene to early Pliocene from preliminary results of regional seismic stratigraphy and IODP Site U1522. *XIII International Symposium on Antarctic Earth Sciences* (ISAES), Incheon, Republic of Korea, 22–26 July 2019.
- Kulhanek, D.K., Patterson, M.O., McLaughlin, J., Patten, J., McKay, R.M., De Santis, L., and the **IODP Expedition 374 Scientists**, 2019. Using sedimentology and geochemistry to elucidate Antarctic Ice Sheet extent in the late Miocene to Pliocene: Results from IODP Site U1522 on the Ross Sea continental shelf. *XIII International Symposium on Antarctic Earth Sciences* (ISAES), Incheon, Republic of Korea, 22–26 July 2019.
- McKay, R.M., De Santis, L., Kulhanek, D.K., and the **IODP Expedition 374 Scientific Party**, 2019. Antarctic Ice Sheet history in the Ross Sea during the Late Cenozoic from geological drill core studies. *XIII International Symposium on Antarctic Earth Sciences* (ISAES), Incheon, Republic of Korea, 22–26 July 2019.
- Olivo, E., De Santis, L., Bart, P.J., Bergamasco, A., Gales, J., Bohm, G., Wardell, N., Colleoni, F., Kovacevic, V., Bensi, M., Rebesco, M., Forlin, E., Viezzoli, D., Cortese, G., McKay, R., Kulhanek, D., and the **Expedition 374 Scientists**, 2019. The Whales Deep Basin – Houtz and Hayes Bank system (Southeastern Ross Sea, Antarctica): a scenario for Pleistocene continental outer shelf and slope processes evolution. *XIII International Symposium on Antarctic Earth Sciences* (ISAES), Incheon, Republic of Korea, 22–26 July 2019.
- Patten, J., Kulhanek, D.K., Griffin, B., McKay, R.M., Patterson, M.O., King, M., Gales, J.A., *Prunella, C., **Shevenell, A.E.**, De Santis, L., and the IODP Expedition 374 Scientists, 2019. XRF sediment geochemistry from IODP Expedition Site U1523, outer Ross Sea continental shelf, and its utility to distinguish sediment input from various water masses. *XIII International Symposium on Antarctic Earth Sciences* (ISAES), Incheon, Republic of Korea, 22–26 July 2019.
- Patterson, M.O., Varela Valenzuela, N., Romans, B., Ash, J., Kulhanek, D., Keisling, B., McKay, R., Rosenberg, C., Jones, H., van Peer, T., De Santis, L., and the **IODP Expedition 374 Scientists**, 2019. Assessing the orbital response of the WAIS from a Ross Sea deep ocean perspective since the late Pliocene. *XIII International Symposium on Antarctic Earth Sciences* (ISAES), Incheon, Republic of Korea, 22–26 July 2019.
- Perez, L.F., De Santis, L., Larter, R.D., McKay, R.M., Naish, T., and **IODP Expedition 374 Scientific Party**, 2019. Miocene ice sheet oscillations in the Ross Sea embayment based on preliminary results of log-seismic correlations. *XIII International Symposium on Antarctic Earth Sciences* (ISAES), Incheon, Republic of Korea, 22–26 July 2019.
- van Peer, T.E., Sugisaki, S., Zhao, X., Patterson, M., Xuan, C., Bohaty, S.M., Wilson, P.A., Taylor, V.E., McKay, R.M., De Santis, L., Kulhanek, D.K., and the **Expedition 374 Scientists**, 2019. Environmental magnetic insights on Pleistocene deep-water oxygenation at IODP Expedition 374 Site U1524 (Ross Sea, Antarctica). *XIII International Symposium on*

Antarctic Earth Sciences (ISAES), Incheon, Republic of Korea, 22–26 July 2019.

- Zhao, X.Y., Sugisaki, S., van Peer, T., Sukanuma, Y., and the **IODP Expedition 374 Scientific Party**, 2019. Magnetostratigraphy and rock magnetism study of Hole U1524A from IODP Expedition 374. *XIII International Symposium on Antarctic Earth Sciences* (ISAES), Incheon, Republic of Korea, 22–26 July 2019.
- Zurli, L., Perotti, M., Talarico, F.M., McKay, R., De Santis, L., Kulhanek, D.K., and the **IODP Expedition 374 Scientists**, 2019. Petrography of gravel size clasts from IODP_exp374 drillcores (Ross Sea – Antarctica): implications for Miocene ice flows. *XIII International Symposium on Antarctic Earth Sciences* (ISAES), Incheon, Republic of Korea, 22–26 July 2019.
- Martínez-Méndez, G., Müller, J., and **IODP Expedition 374 Participants**, 2019. Upper ocean temperatures and past (ice algae) productivity in the Ross Sea from MIS 5 to the Holocene: Biomarker results from IODP Site U1524. *International Union for Quaternary Research* (INQUA) 2019, Dublin, Ireland, 25-31 July 2019.
- **Shevenell, A.E.**, Browne, I., Dodd, J.P., Sangiorgi, F., McKay, R.M., De Santis, L., Kulhanek, D., and the Expedition 374 Science Party (2019). Early to middle Miocene glacial and oceanographic conditions in the Ross Sea, Antarctica: Initial paleotemperature and geochemical results from IODP Site U1521. *MioMeet 2019*, Stockholm, Sweden, 3-5 June.
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- *Duffy, M., Smith, C., Warny, S., **Shevenell, A.E.**, Gulick, S.P.S. and A. Leventer (2019) Vegetation prior to and during the development of the East Antarctic Ice Sheet: High-resolution palynological insights from Sabrina Coast, East Antarctica, *AAGP ACE*, San Antonio, TX, 19–22 May.
- Marschalek, J., van de Fliedert, T., Carter, A., Vermeesch, P., Siegert, M., Licht, K., McKay, R.M., De Santis, L., Kulhanek, D., and the **Expedition 374 Scientists**, 2019. A multi-proxy sediment provenance record of Antarctic ice sheet change in the early to middle Miocene: Preliminary results from IODP Site U1521 (Ross Sea). *Geochemistry Group Research in Progress Meeting 2019*, Portsmouth, UK, 15–17 April 2019.
- Zurli, L., Perotti, M., Talarico, F.M., McKay, R.M., De Santis, L., Kulhanek, D.K. and the **IODP Expedition 374 Scientists** (2019). Petrography and provenance study of gravel size clasts from Miocene glacio-marine sequences in the IODP Expedition 374 Ross Sea drillcores (Antarctica): preliminary study. Vol. 21, EGU2019-13864, EGU, Vienna, Austria, 7–12 April.
- Gales, J., Rebesco, M., De Santis, L., Zgur, F., Bergamasco, A., Kim, S., Olivo, E., Colleoni, F., Accettella, D., Kovacevic, V., Liu, Y., Florindo-Lopez, C., McKay, R., Kulhanek, D., King, M., and **Expedition 374 Scientists**, 2019. Role of cold, dense water in the development of submarine canyon morphology. *EGU General Assembly 2019*, Vienna, Austria. *Geophysical Research Letters*, 21: EGU2019-523.
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- *Wubben, E., Sangiori, F., Hoem, F.S., Bijl, P., McKay, R.M., De Santis, L., Kulhanek, D.K., and the **IODP Expedition 374 Scientists** (2019). A palynological study of the upper ocean conditions during the Miocene Climatic Optimum in the Ross Sea (Antarctica): Results from the IODP Expedition 374 Site U1521 record. Dutch Earth Science Congress (NAC), 14-15 March.
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- van Peer, T.E., Sugisaki, S., Xuan, C., Bohaty, S.M., Wilson, P.A., McKay R.M., De Santis, L., Kulhanek, D.K., and the **IODP Expedition 374 Science Party** (2019). West Antarctic glacial-interglacial variability reconstructed from magnetic characteristics. Magnetic Interactions, Liverpool, UK, 3-4 January.
- McKay, R.M., DeSantis, L., Kulhanek, D.K., and the **IODP Expedition 374 Science Party** (2018). Ross Sea West Antarctic Ice Sheet History in the late Cenozoic: Initial sediment core results from IODP Expedition 374. Geosciences 2018, Wellington, NZ, 27-30 November.
- **Shevenell, A.E.**, Browne, I.M., McKay, R.M., De Santis, L., Kulhanek, D.K. and the IODP Expedition 374 Science Party (2018). Early to middle Miocene oceanographic conditions in the Ross Sea, Antarctica: Initial XRF results from IODP Site U1521. 2018 AGU Fall Meeting, Washington DC, USA, 10-14 December.
- *Vadman, K.J., **Shevenell, A.E.**, Leventer, A., Gulick, S.P.S., Mawbey, E., Huber, B., and B.E. Rosenheim (2018). Deglacial to Holocene Circumpolar Deep Water influence over the Sabrina Coast continental shelf, East Antarctica. 2018 AGU Fall Meeting, Washington DC, USA, 10-14 December.
- *Browne, I.M., **Shevenell, A.E.**, McKay, R.M., De Santis, L., and the IODP Expedition 374 Science Party (2018). Antarctic ice sheet growth during the Miocene Climatic Optimum: paleotemperature insights from IODP Site U1521 on the Ross Sea shelf. 2018 AGU Fall Meeting, Washington DC, USA, 10-14 December.
- *King, T.M., Rosenheim, B.E., **Shevenell, A.E.**, Ingalls, A.E., and L.T. Truxal (2018). Evaluating the timing of ice retreat during the Last Glacial Maximum: A comparison of bulk, Ramped PyrOx and compound specific diatom ¹⁴C chronologies. 2018 AGU Fall Meeting, Washington DC, USA, 10-14 December.
- *Prunella, C.J., **Shevenell, A.E.**, McKay, R.M., De Santis, L., Kulhanek, D.K., and the IODP Expedition 374 Science Party (2018) Plio-Pleistocene ocean temperatures at the Ross Sea shelf break: Foraminifer-based paleotemperature records from IODP Site U1523. 2018 AGU Fall Meeting, Washington DC, USA, 10-14 December.
- *Browne, I.M., **Shevenell, A.E.**, Schwing, P., Leventer, A., Duffy, M., and B.E. Rosenheim (2018). Modern oceanographic changes on the west Antarctic Peninsula anomalous within

the context of latest Holocene climate variability. Graduate Climate Conference, Pack Forest, WA, 2-4 November.

- *Guitard, M. Shevenell, A.E., Leventer, A., Rosenheim, B.E., and Y. Yokoyama (2018). Millennial-scale variations of an East Antarctic outlet glacier during the last Glaciation. Graduate Climate Conference, Pack Forest, WA, 2-4 November.
- *Vadman, K.J., **Shevenell, A.E.**, Leventer, A., Gulick, S.P.S., Mawbey, E., Huber, B., and B.E. Rosenheim (2018). Holocene variations in modified Circumpolar Deep Water presence near the Totten Glacier system, East Antarctica. Graduate Climate Conference, Pack Forest, WA, 2-4 November.
- Kim, S., McKay, R., DeSantis, L., Kulhanek, D. and **the IODP Expedition 374 Science Party** (2019). Deciphering Ross Sea West Antarctic Ice Sheet History: IODP Expedition 374. 24th International Symposium on Polar Sciences, Incheon, Korea, 15-16 May.
- Drury, A.J., Lee, G.P., Gray, W.R., Lyle, M., Westerhold, T., **Shevenell, A.E.**, and C. M. John (2018). Late Miocene-early Pliocene isotopic and trace element insights into the mean climate state of the equatorial Pacific. Forams 2018, Edinburgh, 17-22 June.
- *Sugisaki, S., Seki, O., Ishino, S., McKay, R., DeSantis, L., Kulhanek, D. and **the IODP Expedition 374 Science Party** (2018). Initial results of IODP Expedition 374: Ross Sea, West Antarctic Ice Sheet history in the Late Cenozoic. Japan Geoscience Union Meeting, Chiba, Japan, 20-24 May.
- DeSantis, L., McKay, R., Kulhanek, D., and **the IODP Expedition 374 Science Party** (2019). Invited: Late Cenozoic ocean-ice sheet interactions and West Antarctic Ice Sheet vulnerability: Initial results from International Ocean Discovery Program Expedition 374 in the Ross Sea continental margin. EGU 2018 General Assembly Meeting, Vienna, Austria, 8-11 April.
- *Gray, W.R., Taylor, B., Rae, J.W.B., **Shevenell, A.E.**, Wills, R., Burke, A., Foster, G.L., Lear, C.H., and R. Rees-Owen (2018). Circulation, productivity, and CO₂ in the deglacial North Pacific. 2018 Ocean Sciences Meeting, Portland, OR, 11-16 February.
- Rosenheim, B.E., Subt, C., **Shevenell, A.E.**, Guitard, M., Vadman, K., DeCesare, M., Wellner, J., Bart, P., Lee, J.I., Domack, E.W., Yoo, K-C., and J.M. Hays (2017). Invited: Chronicing ice shelf history in the sediments left behind, 2017 Fall Meeting, AGU, New Orleans, LA, 11-15 December.
- *Subt, C., Rosenheim, B.E., Lee, J.I., Yoo, K-C., Browne, I., and **A.E. Shevenell** (2017) Temperature under the Tongue: A paleotemperature record of the Drygalski Ice Tongue with improved chronology of ice retreat 2017 Fall Meeting, AGU, New Orleans, LA, 11-15 December.
- **Shevenell, A.E.**, Gulick, S.P.S, Montelli, A., Fernandez, R., Smith, C., Warny, S., Bohaty, S., Sjunneskog, C., Leventer, A., Frederick, B., Blankenship, D., Bijl, P., and F. Sangiorgi (2017) Ice Proximal record of the East Antarctic Ice Sheet glacial history, Past Antarctic Ice Sheet Dynamics (PAIS) conference, Trieste Italy September 10-15, 2017.
- Mawby, E., Hendry, K., Smith, J., Hillenbrand, C-D., Graeves, M., Mackensen, A., Kuhn, G., Leng, M., **Shevenell, A.E.**, and K. Vadman (2017) Reconstructing Circumpolar Deep Water: A new Mg/Ca temperature calibration for the benthic foraminifer *Trifarina angulosa* around Antarctica, Past Antarctic Ice Sheet Dynamics (PAIS) conference, Trieste Italy September 10-15, 2017.

- *Gray, W.R., Rae, J.W.B., **Shevenell, A.E.**, Wills, R., Foster, G.L, Lear, C.H., Taylor, B. (2017) Circulation control on primary productivity and CO₂ in the subarctic Pacific over the last deglaciation: Evidence from boron isotopes in planktonic foraminifera, PAGES OSM: Global Challenges for our Common Future: a paleoscience perspective, Zargoza, Spain, May 9-13 2017.
- **Shevenell, A.E.**, *Guitard, M.E., Leventer, A.R., Rosenheim, B.R., and Y. Yokoyama (2016) Millennial-scale variations of an East Antarctic outlet glacier during the last glaciation. Abstract PP11E-02 presented at 2016 Fall Meeting, AGU, San Francisco, CA, 12-16 December.
- **Shevenell, A.E.**, Gulick, S.P.S., Leventer, A.R., Domack, E.W., Smith, C., Warny, S., Sjunneskog, C., Bohaty, S., Fernandez, R., Fredrick, B., Montelli, S., Greenbaum, J., Blankenship, D., and A. Orsi (2016) Cenozoic glacial history of the Aurora Basin, East Antarctica: A potential IODP drilling opportunity on the Sabrina Coast Continental Shelf. 12th International Conference on Paleoceanography, Utrecht, Netherlands.
- *Browne, I., **Shevenell, A.E.**, Schwing, P., Rosenheim, B.R., and A.R. Leventer (2016) Late Holocene ocean temperatures and hydrography of the western Antarctic Peninsula shelf. 12th International Conference on Paleoceanography, Utrecht, Netherlands.
- *Guitard, M.E., **Shevenell, A.E.**, Leventer, A.R., Rosenheim, B.R., and Y. Yokoyama (2016) Millennial-scale variations of an East Antarctic outlet glacier during the last glaciation. 12th International Conference on Paleoceanography, Utrecht, Netherlands.
- *Vadman, K., **Shevenell, A.E.**, Leventer, A.R., Domack, E.W., Gulick, S.P.S., Huber, B., Orsi, A., and B.R. Rosenheim (2016) Holocene variations in modified Circumpolar Deep water presence near the Totten Glacier. 12th International Conference on Paleoceanography, Utrecht, Netherlands.
- Williams, T., McKay, R., Gohl, K., Channell, J. E. T., De Santis, L., Larter, R. D., Kulhanek, D., **Shevenell, A.**, Harwood, D. and Gulick, S. (2016) Antarctica's Cenozoic ice and climate history: new science and new challenges of drilling in Antarctic waters, 35th International Geological Congress, Cape Town, South Africa, 27 August 2016 - 4 September 2016.
- Post, A.L., Lavoie, C., Domack, E.W., Leventer, A., **Shevenell, A.E.**, Fraser, A.D., and the NBP14-02 Science Team (2016) Habitat heterogeneity as a driver of benthic diversity on the Sabrina Coast continental shelf, East Antarctica, Antarctica in the Global Earth System: From the Poles to the Tropics, XXXIV SCAR Biennial Open Science Conference, Kuala Lumpur.
- *Smith, C., Domack E.W., Warny, S., Leventer, A., and **A.E. Shevenell** (2016) A new Paleogene section from East Antarctica. XXXIV SCAR Biennial Open Science Conference, Kuala Lumpur.
- *Subt, C., Domack, E.W., Yoo, K.C., Yoon, H.I., Lee, J.I., Wellner, J., **Shevenell, A.E.**, Leventer, A.R., and B.E. Rosenheim (2016) Dating the undatable: Pushing ¹⁴C dating in marginal marine Antarctic sediments to new limits. XXXIV SCAR Biennial Open Science Conference, Kuala Lumpur.
- Domack, E.W., **Shevenell, A.E.**, Smith, C., Rosenheim, B.R., Ishman, S., Leventer, A., Subt, C., Peck, D., Yoon, H. I., Yoo, K.C., Wellner, J., Song, J.B., Evans, J., and A. Christ (2016) A high-resolution record of trans-Antarctic Peninsula ice stream retreat and comparison of potential forcing mechanisms. XXXIV SCAR Biennial Open Science Conference, Kuala Lumpur.

- Rosenheim, B.E., **Shevenell, A.E.**, Domack, E.W., and C. Subt (2016) Regional correlation of improved radiocarbon dating of laminated facies of Antarctic margin sediment from Hugo Island/Anvers Island Trough, Antarctic Peninsula, 2016 Ocean Sciences Meeting, Abstract #91181.
- Leventer, A., Domack, E., Duffy, M., Hynes, R., Smith, C., and **A.E. Shevenell** (2016) Abstract 37-2: Recent Paleoclimate record from the Palmer Deep, western Antarctica Peninsula, 51st Annual Meeting, Northeastern Section, Geological Society of America.
- **Shevenell, A.E.**, Ishman, S.E., Domack, E.W., Leventer, A. Rosenheim, B.E., and K.J. Vadman (2015) A complex deglacial retreat history of the Anvers Island Trough paleo-ice stream, EOS Trans. AGU, 96, Fall Meet. Suppl., Abstract PP51B-2284.
- *Vadman, K., **Shevenell, A.E.**, Leventer, A., Domack, E.W., Huber, B., Orsi, A., Gulick, S. (2015) Foraminifer- and diatom-based paleoceanographic study of Holocene sediments from the Sabrina Coast, East Antarctica. EOS Trans. AGU, 96, Fall Meet. Suppl., Abstract PP51B-2286.
- Rosenheim, B.E., Domack, E.W., **Shevenell, A.E.**, and C. Subt (2015) Time matters: Increasing the efficiency of Antarctic marine geology and paleoceanography expeditions by providing improved sediment chronology. EOS Trans. AGU, 96, Fall Meet. Suppl., Abstract PA33C-2199.
- *Montelli, A., Gulick, S.P.S., **Shevenell, A.E.**, Frederick, B., Blankenship, D., Leventer, A., and E.W. Domack (2015) Seismic stratigraphy of the Sabrina Coast shelf, East Antarctica: History of late Paleogene to early Neogene glacial evolution, EOS Trans, AGU, 96, Fall Meet. Suppl., Abstract PP43C-2292.
- **Shevenell, A.E.**, Guitard, M., Domack, E.W., and B.E. Rosenheim (2015) Vulnerability of the Lambert Glacier-Amery Ice Shelf system during deglaciation, SCAR ISAES 2015, Goa, India.
- *Guitard, M., **Shevenell, A.E.**, Domack, E.W., Rosenheim, B.E., and Y. Yokoyama (2015) Late Quaternary variability of an East Antarctic outlet glacier: Insights from sedimentary beryllium-10 in Prydz Channel, SCAR ISAES 2015, Goa, India.
- *Montelli, A. I., Gulick, S.P.S., Frederick, B., Blankenship, D., Leventer, A., **Shevenell, A.E.**, and Domack, E. (2015) Seismic stratigraphy of the Sabrina Coast shelf, East Antarctica: History of Paleogene to early Neogene glacial evolution. SCAR ISAES 2015, Goa, India.
- Gulick, S.P.S., Montelli, A., **Shevenell, A.**, Domack, E., Frederick, B., Leventer, A., Blankenship, D., and R. Fernandez (2015) Insights into changing East Antarctic paleoenvironments since the Eocene based on first-ever seismic imaging and coring on the Sabrina Coast shelf. SCAR ISAES 2015, Goa, India.
- Fernandez, R., Gulick, S., Saustrop, S., Frederick, B., Domack, E., Lavoie, C., Leventer, **Shevenell, A.**, Blankenship, D.D., and the NBP1402 Science Party (2015) Did the geomorphic and sedimentary record off the Sabrina Coast, East Antarctica, originate as result of past subglacial water outbursts and ice sheet collapse? SCAR ISAES 2015, Goa, India.
- Ishman, S., **Shevenell, A.**, Domack, E., Leventer, A., Rosenheim, B., Vadman, K., and M. Prentice (2015) Abstract #265389: Using microfossil and biogeochemical data to resolve the deglacial history of the Anvers Island Trough, West Antarctic Peninsula margin. Geological Society of America 2015 Annual Meeting, Baltimore, Maryland.

- *Smith, C., Domack, E., **Shevenell, A.E.**, Leventer, A., Gulick, S.P.S., Frederick, B., and R. Fernandez (2015) Abstract #267590: A new Eocene Sedimentary sequence from Antarctica and its palynologic character. Geological Society of America 2015 Annual Meeting, Baltimore, Maryland.
- *Peck, D.A., Domack, E.W., Rosenheim, B.E., Leventer, A., and **A.E. Shevenell** (2015) Abstract #266309: Evidence for extensive volcanism during deglaciation of the Hugo-Anvers Island Trough. Geological Society of America 2015 Annual Meeting, Baltimore, Maryland.
- *Guitard, M.E., **Shevenell, A.E.**, Domack, E.W., Rosenheim, B.E., and Y. Yokoyama (2014) Late Quaternary advance and retreat of an East Antarctic Ice Shelf System: Insights from sedimentary beryllium-10 concentrations, EOS Trans. AGU, 95, Fall Meet. Suppl., Abstract PP21A-1309.
- *Snow, T., **Shevenell, A.E.**, Leventer, A., Domack, E.W., Huber, B.A., Orsi, A.H., Blankenship, D.D., Gulick, S.P.S., Lavoie, C., and the NBP14-02 Scientific Party (2014) NBP14-02: The Sabrina Coast Marine Record of Ocean-Cryosphere Dynamics. EOS Trans. AGU, 95, Fall Meet. Suppl., Abstract PP21A-1312.
- Fernandez-Vasquez, R.A., Domack, E.W., Lavoie, C., Gulick, S.P.S., Sastrup, S., Frederick, B., Leventer, A., **Shevenell, A.E.**, Blankenship, D.D. and the NBP14-02 Scientific Party (2014) The geomorphic and sedimentary record of past subglacial water outbursts, Sabrina Coast, East Antarctica. EOS Trans. AGU, 95, Fall Meet. Suppl., Abstract PP21A-1313.
- *Frederick, B.C., Gulick, S.P.S., Sastrup, S., Fernandez-Vasquez, R.A., Domack, E.W., Lavoie, C., Blankenship, D.D., Leventer, A., **Shevenell, A.E.**, and the NBP14-02 Scientific Party (2014) Seismic stratigraphy of ice sheet advance-retreat cycles on the Sabrina Coast continental shelf, East Antarctica. EOS Trans. AGU, 95, Fall Meet. Suppl., Abstract PP21A-1314.
- Leventer, A., Armand, L., Redovian, M., Domack, E.W., **Shevenell, A.E.**, Smith, C., Lavoie, C., Orsi, A.H., Huber, B.A., Gulick, S.P.S., Fernandez-Vasquez, R.A., and the NBP14-02 Scientific Party (2014) Holocene sedimentary record of unusual primary productivity, Dalton Polynya, Sabrina Coast, East Antarctica. EOS Trans. AGU, 95, Fall Meet. Suppl., Abstract PP21A-1315.
- **Shevenell, A.E.**, Snow, T., Domack, E.W., Leventer, A., Gulick, S.P.S., Huber, B.A., Orsi, A.H., Goddard, E., Fernandez-Vasquez, R.A., and the NBP14-02 Science Party (2014) High-resolution Deglacial to Holocene paleoceanographic records from the Sabrina Coast, East Antarctica: Preliminary foraminifer-based results from NBP14-02. EOS Trans. AGU, 95, Fall Meet. Suppl., Abstract PP21A-1316.
- *Gray, W.R., Rae, J.W.B., **Shevenell, A.E.**, Lear, C.H., Foster, G.L., Wilson, K.E., and M. Sarnthein (2014) Release of CO₂ from the subarctic Pacific Ocean over the last deglaciation. EOS Trans. AGU, 95, Fall Meet. Suppl., Abstract PP23A-1384.
- Orsi, A.H., Zielinski, N.J., Durkin IV, W.J. Clark, P., Wiederwohl, C.L., Rosenberg, M.A., Huber, B.A., Gwyther, D., Greenbaum, J.S., Lavoie, C., **Shevenell, A.**, Leventer, A., Blankenship, D.D., Gulick, S.P.S., Domack, E.W., and the NBP14-02 Scientific Party (2014) On the revealing firsthand probing of ocean-ice-atmosphere interactions off Sabrina Coast During NBP14-02 (Invited). EOS Trans. AGU, 95, Fall Meet. Suppl., Abstract PP24A-02.
- Gulick, S.P.S., Fernandez-Vasquez, R.A., Frederick, B., Sastrup, S., Domack, E.W., Lavoie, C., **Shevenell, A.E.**, Blankenship, D.D., Leventer, A., and the NBP14-02 Scientific Party (2014) Environmental and ice volume changes based on seismic stratigraphy in Sabrina Coast, East

Antarctica: Preliminary results from NBP14-02. EOS Trans. AGU, 95, Fall Meet. Suppl., Abstract PP24A-03.

- Domack, E.W., Gulick, S.P.S., Fernandez-Vasquez, R.A., Frederick, B., Lavoie, C., Leventer, A., **Shevenell, A.**, Sastrup, S., Bohaty, S.M., Sangiorgi, F., and the NBP14-02 Scientific Party (2014) Pre-glacial, early glacial, and ice sheet stratigraphy cored during NBP14-02, Sabrina Coast, East Antarctic margin. EOS Trans. AGU, 95, Fall Meet. Suppl., Abstract PP24A-04.
- Leventer, A., Domack, E.W., and **A.E. Shevenell** (2014) 163-5: Antarctic Peninsula fjord glacial margins during the middle Holocene, and circum-Antarctic connections. Geological Society of America, Abstracts with Programs, 46(6), 412.
- *Weisman, I., Domack, E.W., **Shevenell, A.E.**, and A. Leventer (2014) 126-3: Sediment record demonstrates dynamics of deglaciation of Hugo Island Trough: A test of the calving bay reentrant. Geological Society of America, Abstracts with Programs, 46(6), 318.
- *Smith, C., Domack, E.W., **Shevenell, A.E.**, Rosenheim, B., Yoo, K-C., and C. Lavoie (2014) 163-6: The last stand of the Gerlache-Boyd paleo-ice stream and a mega fjord. Geological Society of America, Abstracts with Programs, 46(6), 412.
- *Guitard, M., **Shevenell, A.E.**, and Y. Yokoyama (2014) Fluctuations of an East Antarctic Ice Shelf system through the past 125,000 years: Insights from beryllium-10. Abstract: JSPS ID SP14025. NSF EAPSI Program, Sokendai, Japan.
- *Herold, N., **Shevenell, A.E.**, Huber, M. and D. Müller (2013) Clear as mud: Middle Miocene Atlantic Ocean circulation. EOS Trans. AGU, 94, Fall Meet. Suppl. Abstract PP43A-2070.
- Domack, E., Canals, M., Weber, M., Camerlenghi, A., Rebesco, M., **Shevenell, A.E.**, Leventer, A., Urgeles, R., Lavoie, C., Yoon, H.I., Yoo, K-C., Willmott, V., Lamy, F., Kuhn, G., and B. Rosenheim (2013) Paleohistory of Antarctic Peninsula Ice Streams, Boyd Strait and Palmer Deep Outlet Systems: IODP Targets using new drilling technology. Antarctic Geologic Drilling Workshop, Houston TX.
- Harwood, D.M., DeConto, R. Levy, R., Luyendyk, B.P., Rack, F., **Shevenell, A.E.**, and ANDRILL Science Committee (2013) Coulman High Project (CHP): CO₂ thresholds of past and future ice sheet behavior. Antarctic Geologic Drilling Workshop, Houston TX.
- *Williams, C., Lowell, T.V., Shiller, A.M., Hastings, D.W., **Shevenell, A.E.**, and B.P Flower (2013) A multiproxy approach to reconstructing deglacial salinity and Laurentide Ice Sheet meltwater sources. Invited talk at the Comer Science Meeting.
- **Shevenell, A.E.**, Ingalls, A., Domack, E., Leventer, A., and M. Guitard (2013) L-010: The Southern Ocean reveals its climate secrets: Paleotemperatures from Antarctic margin marine sediments. 11th International Conference of Paleoceanography, Sitges, Spain.
- Levy, R., DeConto, R., Harwood, D. Luyendyk, B., Naish, T., Pollard, D., Rack, F., **Shevenell, A.**, Sorlien, C., Sorlien, C., and D. Wilson (2013) P-457: ANDRILL Coulman High Project: resolving past Antarctic ice sheet behavior in a high CO₂ world. 11th International Conference of Paleoceanography, Sitges, Spain.
- *Snow, T., **Shevenell, A.**, Alonso-Garcia, M., Flower, B., Roehl, U., and E. Goddard (2013) P-262: Early circum-Arctic glacial decay following the Last Glacial Maximum. 11th International Conference of Paleoceanography, Sitges, Spain.

- Wilson, K.E., **Shevenell, A.E.**, Guilderson, T.P., Gray, W.R., and I.L. Hendy (2013) P-410: Marine radiocarbon evidence for the deglacial ventilation history of the northeast Pacific Ocean. 11th International Conference of Paleoceanography, Sitges, Spain.
- *Williams, C. and **A.E. Shevenell** (2013) P-495: Glacial-Interglacial controls on sedimentary oxygenation in the northern Gulf of Mexico. 11th International Conference of Paleoceanography, Sitges, Spain.
- *Guitard, M., **Shevenell, A.E.**, Domack, E.W., Rosenheim, B.E., Ingalls, A.E., and A. Leventer (2013) P-442: Late Quaternary evolution of the Amery Ice Shelf system, Prydz Bay, Antarctica. 11th International Conference of Paleoceanography, Sitges, Spain.
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