Amelia Endicott Shevenell

College of Marine Science, University of South Florida, 140 7th Ave. S., St. Petersburg, FL 33701,
Phone: (727) 512-5060; **Email:** ashevenell@usf.edu
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

2023-	**Professor,** College of Marine Science, University of South Florida
2017-2023	**Associate Professor,** College of Marine Science, University of South Florida
2011-2017	**Assistant Professor,** College of Marine Science, University of South Florida
2011-2017	**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	**Antarctic Service Medal**
2016	**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

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, 3/24)
Total Citations: 2729
Most highly cited paper: 638 citations
H-index: 22; **i10 index:** 34
First Author H-index papers: 8
Average citations per H-index paper: 115 (3 first author papers over 200 citations)

*Student author
†Co-first author

Submitted/In Review/In Revision

*Browne, I., **Shevenell, A.E.,** Leventer, A.R., Jaeger, J.M., and Rosenheim, B.E., *in revision* (major). Recent ocean warming west of the Antarctic Peninsula approaching the limit of 700 years of natural variability. *Geophysical Research Letters.*

Mckay, R.M., *Cockrell, J., **Shevenell, A.E.**, Laberg, J.S., *Burns, J., Patterson, M., Kim, S., Naish, T., Harwood, D., Levy, R., Marschalek, J., van de Flierdt, T., Ishino, S., Keisling, B., de Sousa, I., Cortese, G., Sangiorgi, F., Leckie, M., Dodd, J., Duncan, B., Pérez, L.F., Romans, B.W., Kim, S., *Bombard, S., *Browne, I., van Peer, T., Seki, O., Colleoni, F., Kulhanek, D., De Santis, L., and the IODP Expedition 374 Science Team, *in review.* Miocene ice sheet dynamics and sediment deposition in the Central Ross Sea, Antarctica*. GSA Bulletin.*

*Bombard, S.E., Leckie, R.M., *Browne, I., **Shevenell, A.E**., McKay, R., Harwood, D.M., and IODP Expedition 374 scientists, *in review*, Miocene Climatic Optimum and Middle Miocene Climate Transition: A Foraminiferal record from the Central Ross Sea, Antarctica, *Marine Micropaleontology.*

*Seidenstein, J.L., Leckie, R.M., *Prunella, C., **Shevenell, A.E**., McKay, R., DeSantis, L., Harwood, D., and IODP Expedition 374 Scientists, *in review*. Pliocene-Pleistocene Warm Water incursions and water mass changes on the Ross Sea Continental Shelf (Antarctica) based on Foraminifer, IODP Expedition 374. *Marine Micropaleontology.*

2023

1. Gales, J.A., McKay, R., De Santis, L., Rebesco, M., Laberg, J.S., Harwood, D., Leckie, R.M., *Prunella, C., Patterson, M., King., M., Lucchi, R.G., Kim, S., Kim, S., Kulhanek, D.K., **Shevenell, A.E.**, Dodd, J., *Seidenstein, J., & IODP Expedition 374 Scientists*. 2023.* Climate Controlled submarine landslides on the Antarctic Margin. *Nature Commun.* **14**, 2714. doi.org/10.1038/s41467-023-38240-y

2022

2. Kulhanek, D. K., *Prunella, C., McLaughlin, J.R., Griffin, B., McKay, R. M., Patterson, M., Gales, J., **Shevenell, A. E**., van Peer, T. E., and the Expedition 374 Shipboard Scientific Party, 2022. Data Report: IODP Site U1523 composite section and stratigraphic splice based on X-ray fluorescence data. *in* McKay, R., De Santis, L, Kulhanek, D. K., and the Expedition 374 Scientists, *Proceedings of the International Ocean Discovery Program, 374*: College Station, TX (Integrated Ocean Discovery Program). doi.org/10.14379/iodp.proc.374.202.2022.

3. *King, M. V., Gales, J. A., Laberg, J. S., McKay, R. M., De Santis, L., Kulhanek, D. K., Hosegood, P. J., Morris, A., and the **IODP Expedition 374 Scientists**, 2021. Pleistocene depositional environments and links to cryosphere-ocean interactions on the eastern Ross Sea continental slope, Antarctica (IODP Hole U1525A), *Marine Geology* 443:106674 doi.org/10.1016.j.margeo.2021.106674.

4. Levy, R. H., Dolan, A. M., Escutia, C., Gasson, E. G. W., McKay, R. M., Naish, T., Patterson, L. F., **Shevenell, A. E.,** van de Flierdt, T., Dickinson, W., Kowalewski, D. E., Meyers, S. R., Ohneiser, C., Sangiorgi, F., Williams, T., Chorley, H. K., De Santis, L., Florindo, F., Golledge, N. R., Grant, G. R., Halberstadt, A. R., Harwood, D. M., Lewis, A. R., Powell, R., M. Verret. 2022. Antarctic environmental change and ice sheet evolution through the Miocene to Pliocene a perspective from the Ross Sea and George V to Wilkes Land Coasts, *In* Florindo., F., Siegert., M., De Santis, L., Naish, T. (Eds.), *Antarctic Climate Evolution (Second Edition)*. Elsevier, pp. 389-521. ISBN 9780128191095; doi.org/10.1016/B978-0-12-819109-5.00014-1

5. 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, 2022. 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, pp. 41-164. ISBN 9780128191095; doi.org/10.1016/B978-0-12-819109-5.00008-6

2021

6. 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., Kuhn, G., Sverre Laberg, J., Leckie, R.M., Levy, R.H., Marschalek, J., Mateo, Z., Naish, T.R., Sangiorgi, F., **Shevenell, A.E**., Sorlien, C.C., van de Flierdt, T., and the International Ocean Discovery Program Expedition 374 Scientists, 2021. Early and middle Miocene ice sheet dynamics in the Ross Sea: results from integrated core-log-seismic interpretation. *GSA Bulletin*, 134 (1-2), 348–370.

7. **National Academies of Sciences, Engineering, and Medicine Committee of Experts**, 2021. *Mid-Term Assessment of Progress on the 2015 Strategic Vision for Antarctic and Southern Ocean Research*. Washington, DC: The National Academies Press. ISBN 9780309268073; DOI: 10.17226/26338.

8. *Marschalek, J.W., Zurli, L., Talarico, F., van de Flierdt, T., Vermeesch, P., Carter, A., Beny, F., Bout-Roumazeilles, V., Sangiorgi, F., Hemming, S.R., Pérez, L.F., Colleoni, F., Prebble, J.G., van Peer, T.E., Perotti, M., **Shevenell, A.E.**, Browne, I., Kulhanek, D.K., Levy, R., Harwood, D., Sullivan, N.B., Meyers, S.R., Griffith, E.M., Hillenbrand, C.D., Gasson, E., Siegert, M.J., Keisling, B., Licht, K.J., Kuhn, G., Dodd, J.P., Boshuis, C., De Santis, L., McKay, R.M., and the IODP Expedition 374 Scientists, 2021. A large West Antarctic Ice Sheet explains early Neogene sea-level amplitude. *Nature*, 600(7889), 450–455.

9. *Duffy, M.L., Tibbett, E.J., Smith, C., Warny, S., Feakins, S.J., Escarguel, G., Askin, R., Leventer, A., and **A.E. Shevenell**. 2021. Snapshots of pre-glacial paleoenvironmental conditions along the Sabrina Coast, East Antarctica: New palynological and biomarker evidence. *Geobios.* DOI: 10.1016/j.geobios.2021.09.001.

10. *Di Roberto, A., Scateni, B., Di Vincenzo, G., Petrelli, M., Fisauli, G., Barker, S.J., Del Carlo, P., Colleoni, F., Kulhanek, D.K., McKay, R., De Santis, L., and the **IODP Expedition 374 Scientific Party**, 2021. Tephrochronology and provenance of an early Pleistocene (Calabrian) tephra from IODP Expedition 374 Site U1524, Ross Sea (Antarctica). *Geochemistry, Geophysics, Geosystems*, 22(8): e2021GC009739.

11. *Conte, R., Rebesco, M., De Santis, L., Colleoni, F., Bensi, M., Bergamasco, A., Kovacevic, V., Gales, J., Zuger, F., Accettella, D., De Steur, L., Ursella, L., McKay, R., Kim, S., Lucchi, R.G., the **IODP Expedition 374 Scientists**, 2021. Bottom Current Control on sediment deposition between the Iselin Bank and the Hillary Canyon (Antarctica) since the late Miocene: An integrated seismic-oceanographic approach. *Deep Sea Res. I*, 176, 1-22.

2020

12. *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.

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

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

15. 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.

16. *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

17. McKay, R. M., De Santis, L., Kulhanek, D. K., and the **Expedition 374 Scientists**, 2019. Ross Sea West Antarctic Ice Sheet History. *Proceedings of the International Ocean Discovery Program, 374*: College Station, TX. (DOI: 10.14379/iodp.proc.374.2019; includes 7 individual chapters and appendices).

18. 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). DOI: 10.14379/iodp.proc.374.101.2019

19. 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

20. 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

21. 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

22. 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

23. 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

24. 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

25. McKay, R. M., De Santis, L., Kulhanek, D. K., and the **Expedition 374** Scientists, 2019. *Supplementary material for Volume 374 Expedition Reports 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.374supp.2019

26. 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.

27. *Smith, C., Warny, S., **Shevenell, A.E.,** Gulick, S.P.S., and A. Leventer, 2019. 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.

2018

28. 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, DOI: 10.14379/iodp.pr.374.2018

29. 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.

30. 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.

31. *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.

32. *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 CO_2 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).

33. *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.

34. *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

35. †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).

36. 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

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

38. *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.

39. 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.

40. *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

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2005-2010

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In Preparation for 2024 submission

73. *Guitard, M.E., †**Shevenell, A.E.**, Leventer, A.R., Rosenheim, B.E., and Y. Yokoyama, *in prep 95% complete as of March 2024.* Millennial-scale variations of an East Antarctic outlet glacier during the last glaciation. *Nature.*

74. *Vadman, K., *†Kaiser, E.A, **Shevenell, A.E.,** Leventer, A.R., and B.E. Rosenheim, *in prep, 85% complete as of March 2024*. High-resolution Deglacial to Holocene paleoceanographic record from the outlet of the Aurora Subglacial Basin, East Antarctica. *Paleoceanography and Paleoclimatology.*

75. **Shevenell, A.E.**, Kennett, J.P., and G. Simpson, *in prep 90% complete as of December 2023.* Middle Miocene evolution of high latitude Southwest Pacific vertical water column structure as revealed by planktonic foraminifer faunas and stable isotopes. *Marine Micropaleontology*.

76. *Browne, I.M., **Shevenell, A.E.**., et al., *in prep, 85% complete as of December 2023*.

Antarctic Ice Sheet Growth during Miocene warmth. *Nature.*

77. **Shevenell, A.E.,** Goddard, E., *Stanchak, F., Dodd, J., McKay, R., *in prep, 50% complete as of March 2024, for submission in June 2024*. Data report: Bulk Carbon and Nitrogen isotope data from Site U1521, *in* McKay, R., De Santis, L, Kulhanek, D. K., and the Expedition 374 Scientists, *Proceedings of the International Ocean Discovery Program, 374*: College Station, TX (Integrated Ocean Discovery Program).

78. Auderset, A., Lui, X. Sha, N.S., Feakens, S., Sangiorgi, F., **Shevenell, A.E**., Sliwinska, K., Sluijs, A., Wubben, E., Zhang, Y., *in prep, 60% complete as of March 2024 for submission in September 2024.* MioTEX-A comprehensive GDGT-based sea surface temperature compilation for the Miocene, *Earth System Science Data.*

*Student author
†Co-First author

FUNDING HISTORY

Total Cumulative Sum since 2007: $5,115,917; since 2017: $2,765,548

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

2023 Williams, T. (PI), **Shevenell, A.E. (Co-PI**; 2017), *Supplemental Workshop Funding:* ANZIC Future DEEP Workshop, Future Drilling to Explore Earth's Past, Hobart, Tasmania, Australia (April, 2023), US Science Support Program, **$15,000**.

2020-2023 **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.**

2020-2023 Rosenheim, B.R. (PI) and **Shevenell, A.E. (co-PI**): Supplement to NSF ANT AES#1644117: Collaborative Research: Time Matters - A Comparison of Diatom ^{14}C and Thermochemical ^{14}C 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.**

2019-2023 **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**.

2018-2023 **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**.

2018-2023 **Shevenell, A.E. (PI**). 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 **($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 ^{14}C and thermochemical ^{14}C 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.,** Suganuma, 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 CO_2 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 CO_2 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 CO_2 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:* Paleoceanographic 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: **$983,158**

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. Felipe Stanchak: Anne and Werner Von Rosenstiel Fellowship in Marine Science**, $30,000** (2023)

2. Imogen Browne: William and Elsie Knight Endowed Fellowship for Marine Science (**$25,000/30,000** and **$2,000**/yr for expenses) (2017-graduation).

3. 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).

4. Emily Kaiser: Anne and Werner Von Rosenstiel Fellowship in Marine Science**, $24,000** (2020), Thomas E. Pyle Memorial Fellowship, **$10,000** (2022), Garrels Memorial Fellowship in Marine Science. **$20,000** (2023).

5. Brittany Hernandez: Anne and Werner Von Rosenstiel Fellowship in Marine Science**, $24,000** (2021).

6. 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).

7. 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).

8. Carlie Williams: William and Elsie Knight Endowed Fellowship in Marine Science, **$54,000** (total; 2012-2014).

3c. External Student Research Funding

1. Emily Kaiser

2021 International Conference on Paleoceanography Student Travel Award, **$1600**.

2. Imogen Browne

2023 IODP Expedition 374 Post-cruise Science Meeting Travel Funding, USSSP, **$3,000.**

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 Paleoceanography 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 Paleoceanography 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 Paleoceanography, 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.**

TEACHING/MENTORING

1. Post-doctoral/Research Associate Mentoring

2019-2022 **Dr. Isabel Romero**, Research Associate Professor, USF CMS (2019-present)
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:* The role of ocean thermal forcing on marine-terminating Antarctic outlet glacier retreat during the last deglaciation. Proposal Defended.

Felipe Stanchak, Ph.D student (2023-present), *Dissertation:* TBD

***Margaret Hanley**, MS. Student (2023-present), Thesis: Glacial geomorphology and habitats on Sabrina Coast, East Antarctica.**co-advised with S. Murawski*

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, Shorecrest Preparatory School, St. Petersburg, Florida.

2014 **Tasha Snow**, MSc. *Thesis:* Timing of Svalbard/Barents Sea Ice Sheet deglaciation. *Past:* Ph.D., UColorado, Boulder; *Present:* Postdoc, CO School of Mines.

2015 **Michelle Guitard,** MSc., 2015. *Thesis:* Millennial-scale variability of a major East Antarctic outlet glacier during the last glaciation. *Continued on to receive USF CMS Ph.D. (2021)*

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,** *Dissertation:* Holocene ocean temperatures proximal to Totten Glacier. *Past:* Ph.D., USF CMS; *Present:* Research Associate/Shipboard Technical Staff, IODP, Texas A&M.

2021 **Dr. Michelle Guitard,** *Dissertation:* Late Quaternary to Pliocene evolution of the Amery Ice Shelf system, Prydz Bay, East Antarctica. Postdoctoral Research Fellow, LDEO, Columbia University (Raymo), *Present:* Private Industry (LC-MS), Oregon.

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*: Research Scientist, Laboratoire des Sciences du Climat et de l'Environment, 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); Division Outstanding Early Career Scientist, EGU, 2020; *Present:* Royal Society Dorothy Hodgkin Research Fellow, School of Geography, Geology, and the Environment, University of Leicester, UK.

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

2022- **Zach Bunnell**, Ph.D. student, *Advisor*: T. Conway
2022- **Claire Onak,** MSc. student, *Advisor:* T. Conway
2022- **Dylan Halbeisen,** Ph.D. student, *Advisor:* T. Conway
2015-2020 **Ryan Venturelli,** Ph.D. student, *Advisor:* B. Rosenheim; *Present:* Ass. Prof. CO School of Mines
2009-2018 **Elizabeth Browne**, Ph.D. (2018), *Advisor:* P. Hallock-Muller
2016-2021 **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; *Present:* USGS St. Pete
2014-2016 **Catherine Smith**, MSc. (2016), *Advisor:* P. Hallock-Muller; *Present:* Contractor, NSF Arctic Program
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

2022 **External Ph.D. Examiner,** Dr. Olivia Traux, Otago University, Otago New Zealand, *Advisor:* C. Riessleman, *Internal Examiner:* C. Moy, *Second External Examiner:* T. Nobel.
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

2022-2023 ***Delaney Sellars, Carlos Hernandez Gonzalez*,** USF Chemistry, undergraduates
2021 ***Maria Kohkar*,** University College London, WiES undergraduate student
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, UWashington.
2006-2007 ***Celia Kelly*** (deceased), BS, UWashington.
2006 ***Dr. Maureen Davies Walzack,***; MS and BS, UWashington. 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), **Convener and Instructor,** Spring 2012 (I); Spring 2013 (I), 2014 (I), 2016 (C), 2017 (I), 2018 (I), 2019 (C). 2020 (C), 2021 (I/C), 2022 (C), 2023 (I), 2024 (C).

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, Fall 2022.

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 series)

1. Invited Conference Talks

- Keynote, ANZIC Future DEEP Workshop, Future Drilling to Explore Earth's Past, Hobart, Tasmania, Australia (April, 2023)
- Keynote, Future Directions for Southern Ocean and Antarctic Nearshore and Coastal Research, National Academies of Science and Medicine, Washington DC, USA (February, 2023).
- Keynote, Women in Earth Science Conference, University College London, UK (June 2020; virtual 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

- George Mason University, Marine Science Program (2022)

- University of California Santa Barbara, Interdisciplinary Marine Science Program (2021)
- University of Florida, Department of Geological Sciences (2021)
- 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)

SERVICE IN PROFESSIONAL AND TECHNICAL ORGANIZATIONS

Ongoing	**Associate Editor and Editorial Board Member,** *Oceanography*, TOS (2022-)
Ongoing	**Associate Editor,** *Paleoceanography and Paleoclimatology*, AGU Journals (2020-)
Ongoing	**Invited Inaugural Member**, Antarctic Core Collection Advisory Committee, Antarctic and Southern Ocean National Collection of Rock and Sediment cores, Oregon State University (2019-)
Ongoing	**Editorial Board Member,** *Journal of Marine Science and Engineering*, Section: Geological Oceanography
2023	**Reviewer**, National Academies of Sciences, Engineering, and Medicine. 2024. *Future Directions for Southern Ocean and Antarctic Nearshore and Coastal Research*. Washington, DC: The National Academies Press. https://doi.org/10.17226/27160.
2023	**Invited Speaker/Panelist,** *Workshop:* Future Directions for Southern Ocean Nearshore and Coastal Research, The National Academies of Sciences, Engineering, Medicine, Washington DC (February 9-10)
2022	**Invited Speaker/Panelist**, Roundtable on preventing harassment in isolated scientific research environments, The White House Office of Science and Technology Policy (OTSP) and the Federal Interagency Working Group on Inclusion in STEM, Washington DC (Virtual; November 1)
2019-2022	**Elected Geological Oceanography Council Member,** The Oceanography Society

2021 **Invited Participant**, *Workshop to Promote Safety in Field Sciences*, Consortium for Ocean Leadership (March 24-26).

2021 **Invited Speaker/Panelist,** *Workshop: Identifying New Community-Driven Science Themes for NSF's Support of Paleoclimate Research*, The National Academies of Sciences, Engineering, Medicine (June 21-23)

2020-2021 **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 (August 2020-November 2021)

2020 **Associate Editor,** *Oceanography*, Special Issue: *Paleoceanography*

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

2023-2024 **Invited Steering Committee Member,** Addressing Future Ocean Drilling in the United States (FOCUS): Charged with planning for future scientific drilling programming in the US.

2022-2023 **Invited Member,** IODP Legacy Asset Projects (LEAPS) Development (Subcommittee of JRFB)

2022 **Invited Member,** Post-IODP Planning Committee

Ongoing **Invited Member,** *JOIDES Resolution* Facility Board (JRFB)

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

2023 **Invited speaker,** ANZIC FUTURE DEEP Workshop, Hobart, Tasmania, Australia (2023)

2022 **Invited participant,** IODP SMR Workshop, Chicago, IL (2022)

2019 **Invited participant,** IODP NEXT Workshop, Denver CO (2019)

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)

2021 **Invited Panel Member,** National Science Foundation, Office of Polar Programs/MREFC, Antarctic Research Vessel (ARV) Conceptual Design Review (CDR) Panel (September 20-24, 2021)

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, Paleoceanography 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).

UNIVERSITY SERVICE SINCE 2011

1a. USF CMS Standing/Ad hoc Committees

2024- **Member,** USF CMS Annual Evaluation Committee
2017-2022 **Chair,** USF CMS Eminent Scholar Lecture Series Planning Committee
Ongoing **Member,** USF CMS Space Committee
Ongoing **Member**, USF CMS Chem Lab Advisory Committee
2012-2022 **Member,** USF CMS Student Recruitment Committee
2020-2022 **Chair,** USF CMS Deans Advisory Council
2017-2022 **Chair and Organizer,** USF CMS Seminar Series
2018-2022 **Geological Oceanographer Member**, Deans Advisory Council
2016-2021 **Member,** USF CMS Website Committee
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

2022-2023 **Search Committee Member,** Chemical Oceanography Search
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

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, Phys.Org, Earth, Wired, Nature Geoscience, Open Access Government, 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), IODP Expedition 382 (February-April, 2019), and NBP23-01/-02 (December 2022-March 2023). 26,006 total views as of March 2024 and 8,955 unique visitors. During cruises, we average 200-300 unique visitors and 400-600 page views/month.

Expedition Antarctica Facebook page, original research content from Shevenell lab expeditions; during cruises, 475 likes, page receives 300-400 unique hits per week during expeditions.

Peer Reviewer: NASEM, SEAS Program @ University of Bergen (Norway), 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, Geochmica Cosmochimica Acta, Nature, Nature Communications, Nature Geoscience, Nature Climate Change, Nature Communications, Geochimica et Cosmochimica Acta, Geophysical Research Letters, G^3, Geology, The Holocene, Journal of Analytical Atomic Spectrometry, Marine Micropaleontology, Oceanography, Paleoceanography and Paleoclimatology, Paleo^3, PNAS, Quaternary Science Reviews, Science, Science Advances*

CONFERENCE ABSTRACTS (since 2011)

*Student Author

- Krissek, L.A., Meth, C., Camerlingh, A., Childress, L.B., Christensen, B.A., Daigle, H., Humphries, S.E., Kachovich, S., Kuroda, J., Li, Y.Y., Pandey, D., **Shevenell, A.E**., Slagle, A., Ocean Drilling Legacy Assets Projects (LEAPs): A new approach to collaborative research, AGU Fall Meeting, San Francisco, CA, USA, December 11-15, 2023.

- *Kaiser, E.A., **Shevenell, A.E.,** Leventer, A.R., Vadman, K, Gulick, S.P.S., Greenbaum, J., Rosenheim, B.E., Meyne, R., Noble, T., Constraining the timing, rates, and mechanisms of deglacial ice retreat along the Sabrina Coast, East Antarctica, AGU Fall Meeting, San Francisco, CA, USA. December 11-15, 2023.

- *Christopoulou, M., Dodd, J.P., Cassarino, L.,Harwood, D., Marschalek, J., van de Flierdt, T., Sangiorgi, F., **Shevenell, A.E**., McKay, R., De Santis, L., Kulhanek, D.K., and Exp. 374

Scientists. The role of ice sheet dynamics and ocean circulation in nutrient supply and diatom productivity during the Miocene Climatic Optimum in the Ross Sea, Antarctica: Evidence from IODP Site U1521, AGU Fall Meeting, San Francisco, December 11-15, 2023.

- *Prunella, C., Goddard, E., **Shevenell, A.E. (presenting author),** McKay, R., Leckie, R.M., Seidenstein, J., Kulhanek, D.K., Harwood, D., Gales, J., *Stanchak, F., and the Expedition 374 Shipboard Scientists, Plio-Pleistocene Ocean-Ice interactions in the Ross Sea, Antarctica, IODP Expedition 374 Postcruise Meeting, Trieste, Italy, September 2023.

- *Browne, I.M., **Shevenell, A. E.,** Leckie, R. M., Dodd, J. P., Christopoulou, M., Sangiorgi, F., Wubben, E., Prebble, J., Ash,J., van de Flierdt, T., van Peer, T. E., Harwood, D.M., McKay, R. M., De Santis, L., Kulhanek, D.K., and the Expedition 374 Scientists. Antarctic Ice Sheet Growth during the Miocene Climatic Optimum, IODP Expedition 374 Postcruise Meeting, Trieste, Italy, September 2023.

- *Meyne, R., Kaiser, E.A., Leventer, A.R., **Shevenell, A.E.,** Rosenheim, B.E., Noble, T. Deglacial to recent ice-ocean interactions offshore the Totten Glacier, East Antarctica, GSA Connects 2023, Pittsburgh, PA, USA, 2023.

- **Shevenell, A.E.,** East Antarctic margin paleoceanography: Past perspective on ongoing and future change, ANZIC Future DEEP Workshop, Future Drilling to Explore Earth's Past, Hobart, Tasmania, Australia (April, 2023)

- **Shevenell, A.E.,** Antarctic margin paleoceanography: Past perspective on ongoing and future change, Future Directions for Southern Ocean Nearshore and Coastal Research, The National Academies of Sciences, Engineering, Medicine, Washington DC, USA, February, 2023.

- *Gonzalez, C., Sellers, D., Browne, I., Goddard, E., Evans-Nguyen, T., **Shevenell, A.E.**, Comparing the efficiency of automatic and manual extraction methods for measuring TEX_{86} in Antarctic and Gulf of Mexico margin sediments, AGU Fall Meeting, Chicago IL, USA, December 12-17, 2022.

- *Browne, I.M., **Shevenell, A. E.,** Leckie, R. M., Dodd, J. P., Christopoulou, M., Sangiorgi, F., Wubben, E., Prebble, J., Ash,J., van de Flierdt, T., van Peer, T. E., Harwood, D.M., McKay, R. M., De Santis, L., Kulhanek, D.K., and the Expedition 374 Scientists. Antarctic Ice Sheet Growth during the Miocene Climatic Optimum, AGU Fall Meeting, Chicago IL, USA, December 12-17, 2022.

- De Santis, L., McKay, R.M., Kulhanek, D.K., Di Roberto, A., Gales, J., Maxine, B., Marschalek, J.W., Perez, L., and **IODP Exp. 374 Scientists**, 203-9: IODP Exp. 374 Provides clues into past glacial processes of the Antarctic ice sheet. *GSA Annual Meeting*, Denver CO, USA, October 9-12, 2022.

- *Guitard, M., **Shevenell, A.E.**, Raymo, M.E., P2-103: Obliquity-Paced Southern Ocean Surface Temperature Variations during the Early to Mid-Pleistocene. *14th International Conference on Paleoceanopgraphy*, Bergen Norway, August 29-September 3, 2022.

- *Kaiser, E., Shevenell, A.E., Rosenheim, B.E., Leventer, A.R., Vadman, K., Graham, A., Meyne, R., P3-125: Constraining the timing, rates, and mechanisms forcing retreat of a large East Antarctic outlet glacier during the last deglaciation. *14th International Conference on Paleoceanopgraphy*, Bergen Norway, August 29-September 3, 2022.

- *Christopoulou, M., Dodd, J. Browne, I., **Shevenell, A.E**., Leckie, R.M., Ash, J., Harwood, D., Marshalek, J., van der Flierdt, T., McKay, R.M., De Santis, L.M., Kulhanek, D.K, and the

Expedition 374 Scientists, 2022. P3-092: Marine Primary Productivity and nutrient utilization during the Miocene Climatic Optimum in the Ross Sea, Antarctica. *14th International Conference on Paleoceanopgraphy*, Bergen Norway, August 29-September 3, 2022.

- *Guitard, M., **Shevenell, A.E.**, Raymo, M.E., and I. Browne, 2021. OS14A-03 - Obliquity-Paced Southern Ocean Surface Temperature Variations during the Early to Mid-Pleistocene. *American Geophysical Union Fall Meeting*, 13–17 December.

- *Browne, I.M., **Shevenell, A. E.,** Leckie, R. M., Dodd, J. P., Christopoulou, M., Sangiorgi, F., Wubben, E., Prebble, J., Duncan, B. J., Cockrell, J., Esper, O. M., Ash,J., Seki, O., van de Flierdt, T., Marschalek, J. W., van Peer, T. E., Harwood, D.M., Pérez, L.F., Colleoni, F., McKay, R. M., De Santis, L., Kulhanek, D.K., and the Expedition 374 Scientists, 2021. Antarctic ice sheet growth during the middle Miocene (talk), virtual, US Scientific Conference on Antarctic Research Meeting July 15.

- *King, M., Gales, J., Laberg, J. S., McKay, R., De Santis, L., Kulhanek, D., Hosegood, P., Morris, A., Rebesco, M., and **Expedition 374 Scientists**, 2021, EGU21-3009: Timing, frequency and nature of sedimentary processes operating on the eastern Ross Sea continental slope during the Pleistocene- a record from IODP Expedition 374, EGU General Assembly 2021, online, 19–30 April.

- De Santis, L., Kulhanek, D., McKay, R., and **Exp 374 Science Party**, 2021. EGU21-14391: IODP Exp. 374 provides clues into the Antarctic Ice Sheet contribution to sea level changes, EGU General Assembly 2021, online, 19–30 April.

- Drury, A.J., Westerhold, T., Hodell, D.A., Lyle, M., John, C.M., **Shevenell, A.E**., Rohl, U., and R. Wilkens, 2021. EGU21-11904: Deep-sea panoramas: Progress and remaining challenges in late Miocene stratigraphy and climate, EGU General Assembly 2021, online, 19–30 April.

- 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.

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- 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 CO_2 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: Chronicling 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 Drygalksi Ice Tongue with improved chronology of ice retreat2017 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 CO_2 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 ^{14}C 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., Saustrup, 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., Saustrup, 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., Saustrup, 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 CO_2 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., Saustrup, 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.,** Saustrup, 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 deglactiation 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): CO_2 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 CO_2 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.

- Alonso-Garcia, M., Leggett, M., Kleiven, H.F., Hollander, D., and **A.E. Shevenell** (2013) P-416: Holocene ice-rafted signal in the western subpolar North Atlantic: new insights from Eirik Drift (South Greenland). 11th International Conference of Paleoceanography, Sitges, Spain.

- *Gray, W.R., **Shevenell, A.E.,** and K. Wilson (2013) P-366: Deglacial surface to interior water column structure of the subarctic North Pacific Ocean. 11th International Conference of Paleoceanography, Sitges, Spain.

- *Wojcieszek, D., Byrne, R., Moyer, R., and **A.E. Shevenell** (2013) P-189: Testing the utility of B/Ca of *Cibicidoides pachyderma* as a shallow water carbonate ion proxy. 11th International Conference on Paleoceanography, Sitges, Spain.

- *Gray, W., Holmes, J., and **A.E. Shevenell** (2012) Evaluation of foraminiferal trace element cleaning methods on the Mg/Ca of marine ostracoda *Krithe*. EOS Trans. AGU, 93, Fall Meet. Suppl. Abstract B21C-0368.

- **Shevenell, A.E.**, Wilson, K.E., Guilderson, T.P., Hendy, I.L., and W.R. Gray (2012) A deglacial ventilation history of Northeast Pacific intermediate waters. EOS Trans. AGU, 93, Fall Meet. Suppl. Abstract PP13B-2100.

- *Snow, T., Alonso Garcia, M., Flower, B.P., **Shevenell**, **A.E.,** Rohl, U., and E. Goddard (2012) Early Circum-Arctic glacial decay following the last glacial maximum. EOS Trans. AGU, 93, Fall Meet. Suppl. Abstract PP23B-2042.

- *Williams, C., Brown, E.A., Hastings, D.W., Lowell, T.V., Shiller, A.M., **Shevenell, A.E.,** and B.P. Flower (2012) The deglacial retreat of the Laurentide Ice sheet's southern margin: Meltwater provenance insights from the Gulf of Mexico. EOS Trans. AGU, 93, Fall Meet. Suppl. Abstract PP13A-2061.

- Wilson, K.E., **Shevenell**, **A.E.,** and W. Gray (2012) Evidence for increased ventilation of the

NE Pacific Ocean during the 'Mystery Interval'. EOS Trans. AGU, 93, Fall Meet. Suppl. Abstract PP13B-2099.

- *Williams, C., Flower, B.P. Hastings, D.W., Brown, E.A., Lowell, T.V., and **A.E. Shevenell** (2012) Deglacial meltwater input to the Gulf of Mexico: A marine-based record of Laurentide Ice Sheet retreat. GSA Abstracts with Programs: 44 (7), Abstract 211092.

- *Gray, W. and **A.E. Shevenell** (2012) Deglacial water column structure of the subarctic Pacific. UK IODP Student Research Conference 2012, Chicheley Hall Conference Centre, UK.

- **Shevenell, A.E.,** Keever, S., and E.W. Domack (2011) Circumpolar Deep Water influence in Palmer Deep during the Holocene: New evidence from redox sensitive trace elements. EOS Trans. AGU, 92, Fall Meet. Suppl. Abstract PP33B-1940.

- Domack, E., Leventer, A., Brachfeld, S., Ishman, S., Crosta, X., **Shevenell, A.E.,** Willmott, V. Dunbar, R., Rosenheim, B., and L. Barbara (2011) Antarctic climate variability during the Holocene: integrating different proxies and climate models, Edinburgh Scotland. 11th ISAES.

- *Drury, A., John, C., **Shevenell, A**., and T. Dunkley-Jones (2011) Messinian $\delta^{18}O$ and $\delta^{13}C$ stable isotope stratigraphy from *Cibicidoides mundulus*: Potential for studying glacial eustacy (7.50-5.08 Ma; IODP Site U1338). IODP Legs 320 and 321 Post cruise meeting, Paris.