

# 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](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, *College of Marine Science, University of South Florida, St. Petersburg, FL 33701*

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

## **SERVICE IN PROFESSIONAL AND TECHNICAL ORGANIZATIONS**

Ongoing	<b>Invited Member</b> , 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	<b>Associate Editor</b> , <i>Paleoceanography and Paleoclimatology</i> , AGU Journals (2020-2022)
Ongoing	<b>Elected Geological Oceanography Council Member</b> , The Oceanography Society (2019-2022)
Ongoing	<b>Invited Inaugural Member</b> , Antarctic Core Collection Advisory Committee, Antarctic and Southern Ocean National Collection of Rock and Sediment cores, Oregon State University (2019-2022)
Ongoing	<b>Editorial Board Member</b> , <i>Journal of Marine Science and Engineering</i> , Section: Geological Oceanography
2020	<b>Associate Editor</b> , <i>Oceanography</i> , Special Issue: ICP 2019
2019	<b>Invited representative</b> , <b>The Oceanography Society</b> , Capitol Hill Climate Week, Washington DC (March 12-14).



***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**     **Outs Td( )TU)24 Tw 2.413 0 ac0nces Tdi0 Td(O)0.66.6 (Ea)-2.Dge TT3 [20.6 (e) (i>TJ0 (e )0c**

**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,**



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.





**2017**

31. Hastings, D.W., **Shevenell, A.E.**, and J.P. Kennett, 2012. Benjamin P. Flower (1962-2012). *EOS Trans. AGU*, **93** (40).

32. **Shevenell, A.E.**, Ingalls, A.E., Domack, E.W., and \*C. Kelly, 2011. Holocene Southern Ocean surface temperature variability west of the Antarctic Peninsula. *Nature* **470**, 250-254 (Featured in News and Views (Bendle. 2011. *Nature* **470**, 181-182)).

33. Thompson, L., Perez, R.C., and **A.E. Shevenell**, 2011. Closed ranks in oceanography. *Nature Geoscience* **4** (4), 211-212.

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

### **2005-2010**

35. Tian, J., **Shevenell, A.E.**, Wang, P., Zhao, Q., Li, Q., and X. Cheng, 2009. Reorganization of Pacific deep waters linked to middle Miocene Antarctic cryosphere expansion: A perspective from the South China Sea. *Palaeogeogr. Palaeoclimatol. Palaeoecol.* doi:10.1016/j.palaeo.2009.10.019.

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 TEX<sub>86</sub> 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.

39. Filippelli, G., Warnke, D., Flores, J.A., Marchitto, T., and the **Southern Ocean Synthesis Group**, 2005. Paleoceanography and paleoclimatology of the Southern Ocean. *EOS Trans. AGU* **86** (193) 195.

### **2000-2004**

40. **Shevenell, A.E.**, Kennett, J.P., and D.W. Lea, 2004. Middle Miocene Southern Ocean cooling and Antarctic cryosphere expansion. *Science* **305**, 1766-1770.

41. **Shevenell, A.E.** and J.P. Kennett, 2004. Paleoceanographic change during the middle Miocene climate revolution: An Antarctic stable isotope perspective. *G7.79 -1.02 90 26.009 T1*

- M.J., et al., *Proc. ODP, Init. Repts.*, 189: College Station, TX (Ocean Drilling Program), 1–98. [doi:10.2973/odp.proc.ir.189.101.2001](https://doi.org/10.2973/odp.proc.ir.189.101.2001)
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](https://doi.org/10.2973/odp.proc.ir.189.102.2001)
46. **Shipboard Scientific Party**, 2001. Site 1168. *In* Exon, N.F., Kennett, J.P., Malone, M.J., et al., *Proc. ODP, Init. Repts.*, 189: College Station, TX (Ocean Drilling Program), 1–170. [doi:10.2973/odp.proc.ir.189.103.2001](https://doi.org/10.2973/odp.proc.ir.189.103.2001)
47. **Shipboard Scientific Party**, 2001. Site 1169. *In* Exon, N.F., Kennett, J.P., Malone, M.J., et al., *Proc. ODP, Init. Repts.*, 189: College Station, TX (Ocean Drilling Program), 1–64. [doi:10.2973/odp.proc.ir.189.104.2001](https://doi.org/10.2973/odp.proc.ir.189.104.2001)
48. **Shipboard Scientific Party**, 2001. Site 1170. *In* Exon, N.F., Kennett, J.P., Malone, M.J., et al., *Proc. ODP, Init. Repts.*, 189: College Station, TX (Ocean Drilling Program), 1–167. [doi:10.2973/odp.proc.ir.189.105.2001](https://doi.org/10.2973/odp.proc.ir.189.105.2001)
49. **Shipboard Scientific Party**, 2001. Site 1171. *In* Exon, N.F., Kennett, J.P., Malone, M.J., et al., *Proc. ODP, Init. Repts.*, 189: College Station, TX (Ocean Drilling Program), 1–176. [doi:10.2973/odp.proc.ir.189.106.2001](https://doi.org/10.2973/odp.proc.ir.189.106.2001)
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](https://doi.org/10.2973/odp.proc.ir.189.107.2001)
51. Fuller, M., Touchard, Y., Endris, C., and the **Shipboard Scientific Party**, 2001. Appendix: magnetic experiments. *In* Exon, N.F., Kennett, J.P., Malone, M.J., et al., *Proc. ODP, Init. Repts.*, 189: College Station, TX (Ocean Drilling Program), 1–15. [doi:10.2973/odp.proc.ir.189.108.2001](https://doi.org/10.2973/odp.proc.ir.189.108.2001)
52. Robert, C.M., Exon, N.F., Kennett, J.P., Malone, M.J., and the **Leg 189 Shipboard Scientific Party**, 2001. Paleogene ocean opening south of Tasmania, and paleoceanographic implications: Preliminary results of clay mineral analyses [ODP Leg 189]. *Comptes-Rendus de l'Academie des Sciences de Paris* **332**, 323-329.
53. Exon, NF, JP Kennett, MJ Malone, H Brinkhuis, GCH Chaproniere, A Ennyu, P Fothergill, M.D Fuller, M. Grauert, PJ Hill, TR Janecek, DC Kelly, JC Latimer, S Nees, US Ninnemann, D Nürnberg, SF Pekar, CC Pellaton, HA Pfuhl, CM Robert, KL McGonigal, U Röhl, SA Schellenberg, **AE Shevenell**, CE Stickley, N Suzuki, Y Touchard, W Wei, TS White. 2001. *Proc. ODP, Init. Repts.*, 189: College Station, TX (Ocean Drilling Program). [doi:10.2973/odp.proc.ir.189.2001](https://doi.org/10.2973/odp.proc.ir.189.2001)
54. Exon, N., Kennett, J., Malone, M., and the

**In Preparation for Winter/Spring 2021 submission**

\*Student author  
†Co-First author

**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: 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**.

- 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 CO<sub>2</sub> 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<sub>2</sub> 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<sub>2</sub> rise? **£464,904 (\$731,620**; based on average exchange rate for award period).
- 2010** UT2 1 Tf-0.001 Tw 22.4611-1.15 (£4)6.1 1(000)]T(64,)3./TT1 1 Tf0 Tc 0 Tw ( )Tj31.15

- 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**.

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**2000**





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, 11<sup>th</sup> 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, **Chair and Organizer, 2017-2018, \$500,000 / P<0.001 Tf0.001 Tc -0.003 Tw 0.275 0 Td(U)-1.5 (S)**

## **TEACHING/MENTORING**

### **1. Post-doctoral/Researcher Mentoring**

*Ongoing*      *Dr. Isabel Romero*

## **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

- 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), **Coordinator and Instructor**, Spring a03

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## **FIELD EXPERIENCE**

**2018 (2 months)**      **Proponent/Lead Shipboard Sedimentologist, *JOIDES Resolution*,**  
IODP Exp. 374 (Ross Sea, Antarctica)



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*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. 13<sup>th</sup> 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. 13<sup>th</sup> 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. 13<sup>th</sup> 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.,





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 CaCO<sub>3</sub>) 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

McKay, R.M., 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 CaCO<sub>3</sub>) 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.

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*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.
- \*Ishino, S., Suto, I., McKay, R.M., De Santis, L., Kulhanek, D.K., and the **IODP Expedition 374 Science Party** (2019). Changes in composition of fossil diatoms from Ross Sea under gradual warming climate from MIS M2. Japan Geoscience Union Annual Meeting, Chiba, Japan, 26–30 May.
- \*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 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). *Geochemistry Group Research in*



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. 24<sup>th</sup> International Symposium on Polar Sciences, Incheon, Korea, 15-16 May.
- Drury, A.J., Lee, G.P., Gray, W.R., Lyle, M., .

- \*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<sub>2</sub> 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.**, Guildford, S.D., Leventer, A.R., (2016) Millennial-scale variations of an East Antarctic outlet glacier during the last glaciation. *Journal of Glaciology*, 52(1), 1-13.

- 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, 51<sup>st</sup> Annual Meeting, Northeastern Section, Geological Society of America.
- **Shevenell, A.E.**, Ishman, S.E., Domack, E.W.,

- \*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.
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