

# Helen K. Coxall Publications

Summary bibliometric data: <a href="https://orcid.org/0000-0002-2843-2898">https://orcid.org/0000-0002-2843-2898</a>	
Peer-reviewed publications	Google Citation Indices
Total: 91	h-index: 39
First author: 13	i10-index: 68
PI or primary supervisor: 15	Total citations: 8068

## 2026

1. Wijnands, F., **Coxall, H.K.**, O'Regan, A.M., Heinzman, P., 2026 Accepted, 7<sup>th</sup> Jan 2026. The promise of sedimentary ancient DNA as a proxy to understand Arctic Ocean Palaeoecology and Palaeoenvironments. *Marine Micropaleontology*, MARMIC-D-25-00041.

## 2025

2. Naik, T.J., De Boer, A.M., **Coxall, H.K.**, Burls, N.J., Bradshaw, C.D., Donnadieu, Y., Farnsworth, A., Frigola, A., Herold, N., Huber, M., Karami, M.P., Knorr, G., LeGrande, A.N., Lunt, D.J., Prange, M., Zhang, Y., 2025. Miocene Ocean Gyre Circulation and Gateway Transports - MioMIP1 Ocean Intercomparison. *Paleoceanography and Paleoclimatology*, 2025PA005194. Accepted, 6<sup>th</sup> Nov 2025.
3. Weitkamp, T.M., Bird, B., Darling, K., Hsiang, A.Y., Ramsey, J., Vermassen, F., **Coxall, H.K.**, 2025. Aberrant coiling directions reveal reproduction cycle of the planktonic foraminifera *Neogloboquadrina pachyderma* under perennial ice in the Central Arctic Ocean. *Marine Micropaleontology*. <https://doi.org/10.1029/2021PA004361>.
4. Naim, F., Cook, A.E., Knutz, P.C., Jennings, A.E., Childress, L.B., Bryant, R.M., Cargill, S.K., **Coxall, H.K.**, Frank, T.D., Grant, G.R., Gray, R.E., Le Houedec, S., Ives, L., Kumar, V., Martens, J., Nelissen, M., Özen, V., Passchier, S., Pérez, L.F., Ren, R., Romans, B.W., Seki, O., Staudigel, P.T., Tauxe, L., Tibbett, E.J., Yokoyama, Y., Zhang, Y., Zimmermann, H.H., 2025. Data report: gas hydrate assessment in Baffin Bay at IODP Expedition 400 drill sites, in: Knutz, P.C., Jennings, A.E., Childress, L.B., Expedition 400, Scientists, E. (Eds.), *Proceedings of the International Ocean Discovery Program, 400*. International Ocean Discovery Program, College Station, TX.
5. Naik, T.J., de Boer, A.M., **Coxall, H.K.**, Burls, N.J., Bradshaw, C.D., Donnadieu, Y., Farnsworth, A., Frigola, A., Herold, N., Huber, M., Karami, M.P., Knorr, G., LeGrande, A.N., Li, Y., Lohmann, G., Lunt, D.J., Prange, M., Zhang, Y., 2025. Ocean Meridional Overturning Circulation During the Early and Middle Miocene. *Paleoceanography and Paleoclimatology* 40, e2024PA005055. <https://doi.org/10.1029/2024PA005055>
6. Jonkers, L., Strack, T., Alonso-Garcia, M., D'Haenens, S., Huber, R., Kucera, M., Hernández-Almeida, I., Jones, C.L.C., Metcalfe, B., Saraswat, R., Silye, L., Verma, S.K., Abd Malek, M.N., Auer, G., Barbosa, C.F., Barcena, M.A., Baumann, K.H., Boscolo-Galazzo, F., Calvelo, J.A.S., Capotondi, L., Caratelli, M., Cardich, J., Carvajal-Chitty, H., Chroustová, M., **Coxall, H.K.**, de Mello, R.M., de Vernal, A., Diz, P., Edgar, K.M., Filipsson, H.L., Fraguas, Á., Furlong, H.L., Galli, G., García Chaporí, N.L., Granger, R., Groeneveld, J., Imam, A., Jackson, R., Lazarus, D., Meilland, J., Molčan Matejová, M., Morard, R., Morigi, C., Nielsen, S.N., Ochoa, D., Petrizzo, M.R., Rigual-Hernández, A.S., Rillo, M.C., Staitis, M.L., Tanık, G., Tapia, R., Vats, N., Wade, B.S., Weinmann, A.E., 2025. Community guidelines to increase the reusability of marine microfossil assemblage data. *J. Micropaleontol.* 44, 145-168. <https://doi.org/10.5194/jm-44-145-2025>.
7. Vermassen, F., Bird, C., Weitkamp, T.M., Darling, K.F., Farnelid, H., Heuzé, C., Hsiang, A.Y., Karam, S., Stranne, C., Sundbom, M., **Coxall, H.K.**, 2025. The distribution and abundance of planktonic foraminifera under

summer sea ice in the Arctic Ocean. *Biogeosciences* 22, 2261-2286. <https://doi.org/10.5194/bg-22-2261-2025>.

8. Weitkamp, T.M., Razmjooei, M.J., Pearson, P.N., **Coxall, H.K.**, 2025. Upper Oligocene to Pleistocene planktonic foraminifera stratigraphy at North Atlantic DSDP Site 407, Reykjanes Ridge: diversity trends and biozonation using modern Neogene taxonomic concepts. *Journal of Micropalaeontology*. 44, 1-78, DOI: 10.5194/jm-44-1-2025.

## 2024

9. Kocken, I.J., Nootboom, P.D., van der Veen, K., **Coxall, H.K.**, Müller, I.A., Meckler, A.N., Ziegler, M., 2024. North Atlantic Temperature Change Across the Eocene-Oligocene Transition from Clumped Isotopes. *Paleoceanography and Paleoclimatology* 39, e2023PA004809. <https://doi.org/10.1029/2023PA004809>
10. Anderson, L.B., Hönisch, B., **Coxall, H.K.**, Bolge, L., 2024. Atmospheric CO<sub>2</sub> Estimates for the Late Oligocene and Early Miocene Using Multi-Species Cross-Calibrations of Boron Isotopes. *Paleoceanography and Paleoclimatology* 39, e2022PA004569. <https://doi.org/10.1029/2022PA004569>.
11. Wunderling, N., von der Heydt, A.S., Aksenov, Y., Barker, S., Bastiaansen, R., Brovkin, V., Brunetti, M., Couplet, V., Kleinen, T., Lear, C.H., Lohmann, J., Roman-Cuesta, R.M., Sinet, S., Swingedouw, D., Winkelmann, R., Anand, P., Barichivich, J., Bathiany, S., Baudena, M., Bruun, J.T., Chiessi, C.M., **Coxall, H.K.**, Docquier, D., Donges, J.F., Falkena, S.K.J., Klose, A.K., Obura, D., Rocha, J., Rynders, S., Steinert, N.J., Willeit, M., 2024. Climate tipping point interactions and cascades: a review. *Earth Syst. Dynam.* 15, 41-74. <https://doi.org/10.5194/esd-15-41-2024>.

## 2023

12. Sicard, M., de Boer, A.M., **Coxall, H.K.**, Koenigk, T., Karami, M.P., Jakobsson, M., O'Regan, M., 2023. Similarities and Differences in Arctic Sea-Ice Loss During the Solar-Forced Last Interglacial Warming (127 Kyr BP) and CO<sub>2</sub>-Forced Future Warming. *Geophysical Research Letters* 50, e2023GL104782. <https://doi.org/10.1029/2023GL104782>
13. Razmjooei, M.J., Henderiks, J., **Coxall, H.K.**, Baumann, K.-H., Vermassen, F., Jakobsson, M., Niessen, F., O'Regan, M., 2023. Revision of the Quaternary calcareous nannofossil biochronology of Arctic Ocean sediments. *Quaternary Science Reviews* 321, 108382. <https://doi.org/10.1016/j.quascirev.2023.108382>
14. Singh, A., O'Regan, M., **Coxall, H.K.**, Forwick, M., Löwemark, L., 2023. Exploring late Pleistocene bioturbation on Yermak Plateau to assess sea-ice conditions and primary productivity through the Ethological Ichno Quotient. *Scientific Reports* 13, 17416. <https://doi.org/10.1038/s41598-023-44295-0>
15. Vermassen, F., O'Regan, M., de Boer, A., Schenk, F., Razmjooei, M., West, G., Cronin, T.M., Jakobsson, M., **Coxall, H.K.**, 2023. A seasonally ice-free Arctic Ocean during the Last Interglacial. *Nature Geoscience* 16, 723-729. <https://doi.org/10.1038/s41561-023-01227-x>
16. Farmer, J. R., Keller, K. J., Poirier, R. K., Dwyer, G. S., Schaller, M. F., **Coxall, H. K.**, O'Regan, M., and Cronin, T. M., 2023, A 600 kyr reconstruction of deep Arctic seawater  $\delta^{18}\text{O}$  from benthic foraminiferal  $\delta^{18}\text{O}$  and ostracode Mg/Ca paleothermometry: *Clim. Past*, 19, 3, 555-578, <https://doi.org/10.5194/cp-19-555-2023>.
17. Śliwińska, K. K., **Coxall, H.K.**, Hutchinson, D. K., Liebrand, D., Schouten, S., and de Boer, A. M., 2023, Sea surface temperature evolution of the North Atlantic Ocean across the Eocene–Oligocene transition: *Clim. Past*, v. 19, no. 1, p. 123-140. <https://doi.org/10.5194/cp-19-123-2023>.

18. Viganò, A., **Coxall, H. K.**, Holmström, M., Vinco, M., Lear, C. H., and Agnini, C., 2023, Calcareous nannofossils across the Eocene-Oligocene transition at Site 756 (Ninetyeast Ridge, Indian Ocean): implications for biostratigraphy and paleoceanographic clues: *Newsletters on Stratigraphy*, v. 56, no. 2, p. 187-223. DOI: 10.1127/nos/2022/0725.

## 2022

19. Zhang, Y., de Boer, A.M., Lunt, D.J., Hutchinson, D.K., Ross, P., van de Flierdt, T., Sexton, P., **Coxall, H.K.**, Steinig, S., Ladant, J.-B., Zhu, J., Donnadieu, Y., Zhang, Z., Chan, W.-L., Abe-Ouchi, A., Niezgodzki, I., Lohmann, G., Knorr, G., Poulsen, C. J., and Huber, M., 2022, Early Eocene Ocean Meridional Overturning Circulation: The Roles of Atmospheric Forcing and Strait Geometry: *Paleoceanography and Paleoclimatology*, v. 37, no. 3, p. e2021PA004329.
20. Reghellin, D., **Coxall, H.K.**, Dickens, G.R., Galeotti, S., and Backman, J., 2022, The Late Miocene-Early Pliocene Biogenic Bloom in the Eastern Equatorial Pacific: New Insights from Integrated Ocean Drilling Program Site U1335: *Paleoceanography and Paleoclimatology*, v. 37, no. 3, p. e2021PA004313.

## 2021

21. Vermassen, F., O'Regan, M., West, G., Cronin, T.M., **Coxall, H.K.**, 2021. Testing the stratigraphic consistency of Pleistocene microfossil bioevents identified on the Alpha and Lomonosov Ridges, Arctic Ocean. *Arctic, Antarctic, and Alpine Research*, 53:309-323. <https://doi.org/10-1080/15230430.2021.1988356>
22. **Coxall, H.K.**, Jones, T.D., Jones, A.P., Lunt, P., MacMillan, I., Marliyani, G.I., Nicholas, C.J., O'Halloran, A., Piga, E., Sanyoto, P., Rahardjo, W., Pearson, P.N., 2021, The Eocene–Oligocene transition in Nanggulan, Java: lithostratigraphy, biostratigraphy and foraminiferal stable isotopes: *Journal of the Geological Society*, 178, jgs2021-2006. <https://doi.org/10.1144/jgs2021-006>
23. Birch, H., Schmidt, D.N., **Coxall, H.K.**, Kroon, D., Ridgwell, A., 2021. Ecosystem function after the K/Pg extinction: decoupling of marine carbon pump and diversity. *Proceedings of the Royal Society B: Biological Sciences*, 288:20210863, <https://doi.org/doi:10.1098/rspb.2021.0863>
24. Stranne, C., Nilsson, J., Ulfso, A., O'Regan, A.M., **Coxall, H.K.**, Meire, L., Muchowski, J., Mayer, L.A., Brüchert, V., Fredriksson, J., Thornton, B., Chawarski, J., West, G., Weidner, E., Jakobsson, M., 2021. The climate sensitivity of northern Greenland fjords is amplified through sea-ice damming. *Communications Earth & Environment*, 2:70. <https://doi.org/10.1038/s43247-021-00140-8>.
25. Bradshaw, C.D., Langebroek, P.M., Lear, C.H., Lunt, D.J., **Coxall, H.K.**, Sosdian, S.M., de Boer, A.M., 2021. Hydrological impact of Middle Miocene Antarctic ice-free areas coupled to deep ocean temperatures. *Nature Geoscience*, 14:429-436. <https://doi.org/10.1038/s41561-021-00745-w>.
26. Hutchinson, D.K., **Coxall, H.K.**, Lunt, D.J., Steinthorsdottir, M., de Boer, A.M., Baatsen, M., von der Heydt, A., Huber, M., Kennedy-Asser, A.T., Kunzmann, L., Ladant, J.B., Lear, C.H., Moraweck, K., Pearson, P.N., Piga, E., Pound, M.J., Salzmann, U., Scher, H.D., Sijp, W.P., Śliwińska, K.K., Wilson, P.A., Zhang, Z., 2021. The Eocene–Oligocene transition: a review of marine and terrestrial proxy data, models and model–data comparisons. *Climate of the Past*, 17:269-315. <https://cp.copernicus.org/articles/17/269/2021/>
27. Lunt, D.J., Bragg, F., Chan, W.L., Hutchinson, D.K., Ladant, J.B., Morozova, P., Niezgodzki, I., Steinig, S., Zhang, Z., Zhu, J., Abe-Ouchi, A., Anagnostou, E., de Boer, A.M., **Coxall, H.K.**, Donnadieu, Y., Foster, G., Inglis, G.N., Knorr, G., Langebroek, P.M., Lear, C.H., Lohmann, G., Poulsen, C.J., Sepulchre, P., Tierney, J.E., Valdes, P.J., Volodin, E.M., Dunkley Jones, T., Hollis, C.J., Huber, M., Otto-Bliesner, B.L., 2021. DeepMIP: model intercomparison of early Eocene climatic optimum (EECO) large-scale climate features and comparison with proxy data. *Climate of the Past*, 17:203-227. doi: 10.5194/cp-17-203-2021

28. Steinthorsdottir, M., **Coxall, H.K.**, de Boer, A.M., Huber, M., Barbolini, N., Bradshaw, C.D., Burls, N.J., Feakins, S.J., Gasson, E., Henderiks, J., Holbourn, A., Kiel, S., Kohn, M.J., Knorr, G., Kürschner, W.M., Lear, C.H., Liebrand, D., Lunt, D.J., Mörs, T., Pearson, P.N., Pound, M.J., Stoll, H., Strömberg, C.A.E., 2021. The Miocene: the Future of the Past. *Paleoceanography and Paleoclimatology*, 36.  
<https://doi.org/https://doi.org/10.1029/2020PA004037>

## 2020

29. Ao, H., Dupont-Nivet, G., Rohling, E.J., Zhang, P., Ladant, J.-B., Roberts, A.P., Licht, A., Liu, Q., Liu, Z., Dekkers, M.J., **Coxall, H.K.**, Jin, Z., Huang, C., Xiao, G., Poulsen, C.J., Barbolini, N., Meijer, N., Sun, Q., Qiang, X., Yao, J., An, Z., 2020. Orbital climate variability on the northeastern Tibetan Plateau across the Eocene–Oligocene transition. *Nature Communications* 11, 5249. <https://doi.org/10.1038/s41467-020-18824-8>
30. Cramwinckel, M.J., **Coxall, H.K.**, Śliwińska, K.K., Polling, M., Harper, D.T., Bijl, P.K., Brinkhuis, H., Eldrett, J.S., Houben, A. J. P., Peterse, F., Schouten, S., Reichert, G.-J., Zachos, J.C., Sluijs, A., 2020. A warm, stratified, and restricted Labrador Sea across the middle Eocene and its climatic optimum. *Paleoceanography and Paleoclimatology*, 35. <https://doi.org/10.1029/2020PA003932>
31. Edgar, K.M., Bohaty, S.M., **Coxall, H.K.**, Bown, P.R., Batenburg, S.J., Lear, C., Pearson, P.N., 2020. New composite bio- and isotope stratigraphies spanning the middle Eocene Climatic Optimum at tropical ODP Site 865 in the Pacific Ocean. *Journal of Micropalaeontology*, 39:117-138. <https://doi.org/10.5194/jm-39-117-2020>
32. Reghellin, D., Dickens, G.R., **Coxall, H.K.**, Backman, J., 2020. Understanding bulk sediment stable isotope records in the Eastern Equatorial Pacific, from seven million years ago to present-day. *Paleoceanography and Paleoclimatology*, 35. doi: 10.1029/2019pa003586
33. Kiel, S., Altamirano, A.J., Birgel, D., **Coxall, H.K.**, Hybertsen, F., Peckmann, J., 2020. Fossiliferous methane-seep deposits from the Cenozoic Talara Basin in northern Peru. *Lethaia*, 53:166-182.  
<https://doi.org/10.1111/let.12349>

## 2019

34. Jones, A.P., Dunkley Jones, T., **Coxall, H.**, Pearson, P.N., Nala, D., Hoggett, M., 2019. Low-latitude calcareous nannofossil response in the Indo-Pacific Warm Pool across the Eocene-Oligocene Transition of Java, Indonesia. *Paleoceanography and Paleoclimatology*, 34:1833-1847. <https://doi.org/10.1029/2019PA003597>
35. Cronin, T.M., Keller, K.J., Farmer, J.R., Schaller, M.F., O'Regan, M., Poirier, R., **Coxall, H.**, Dwyer, G.S., Bauch, H., Kindstedt, I.G., Jakobsson, M., Marzen, R., Santin, E., 2019. Interglacial paleoclimate in the Arctic. *Paleoceanography and Paleoclimatology*, 34:1959-1979. <https://doi.org/10.1029/2019PA003708>
36. Hutchinson, D.K., **Coxall, H.K.**, Caballero, R., Nilsson, J., O'Regan, M., de Boer, A.M., 2019. Arctic closure as a trigger for Atlantic overturning at the Eocene-Oligocene Transition. *Nature Communications*, 10.  
<https://doi.org/10.1038/s41467-019-11828-z>
37. O'Regan, M., **Coxall, H.K.**, Cronin, T.M., Gyllencreutz, R., Jakobsson, M., Kaboth, S., Löwemark, L., Wiers, S., West, G., 2019. Stratigraphic occurrences of sub-polar planktic foraminifera in Pleistocene sediments on the Lomonosov Ridge, Arctic Ocean. *Frontiers in Earth Science*, 7(71). doi.org/10.3389/feart.2019.00071
38. Schiebel, R., Martinez-Garcia, A., Jentzen, A., Sigman, D., Michel, E., Quillevere, F., Haug, G.H., Ren, H., **Coxall, H.**, Spero, H., Vonhof, H.B., Bijma, J., Meilland, J., Jonkers, L., Kucera, M., Hull, P., Morard, R., Smart, S.M., de Garidel-Thoron, T., Aze, T., 2018. Advances in planktonic foraminifer research: New perspectives for paleoceanography. *Revue de Micropaléontologie*, 61:113-138.  
<https://doi.org/10.1016/j.revmic.2018.10.001>

39. Berndt, C., Planke, S., Teagle, D., Huismans, R., Torsvik, T., Frieling, J., Jones, M. T., Jerram, D. A., Tegner, C., Faleide, J. I., **Coxall, H.**, Hong, W. L., 2019, Northeast Atlantic breakup volcanism and consequences for Paleogene climate change – MagellanPlus Workshop report. *Scientific Drilling* 26:69-85.  
<https://doi.org/10.5194/sd-26-69-2019>

**2018**

40. Seidenstein, J.L., M., C.T., Gemery, L., Keigwin, L.D., Pearce, C., Jakobsson, M., **Coxall, H.K.**, Wei, E., Driscoll, N., 2018. Late Holocene paleoceanography in the Chukchi and Beaufort Seas, Arctic Ocean, based on benthic foraminifera and ostracodes. *Arktos*, 4(23):1-17. <https://doi.org/10.1007/s41063-018-0058-7>
41. O'Regan, M. **Coxall, H.K.**, Hill, P., Hilton, R., Muschitiello, F., Swärd, H., 2018. Early Holocene sea-level in the Canadian Beaufort Sea constrained by radiocarbon dates from a deep borehole in the Mackenzie Trough, Arctic Canada. *Boreas*, 47:1102-1117. <https://doi.org/10.1111/bor.12335>
42. Hutchinson, D.K., de Boer, A.M., **Coxall, H.K.**, Caballero, R., Nilsson, J., Baatsen, M., 2018. Climate sensitivity to greenhouse forcing in the late Eocene using GFDL CM2.1, 2018. *Climate of the past*, 14:789-810.  
<https://doi.org/10.5194/cp-2017-161>
43. **Coxall, H.K.**, Spezzaferri, S., 2018. Taxonomy, biostratigraphy, and phylogeny of Oligocene *Catapsydrax*, *Globorotaloides* and *Protentelloides*. In: Wade, B., et al. (Eds.), Atlas of Oligocene Planktonic Foraminifera. *Cushman Foundation Special Publication*, 46:79-124.
44. Wade, B.S., Pearson, P.N., Olsson, R.K., Premoli Silva, I., Berggren, W.A., Spezzaferri, S., Huber, B.T., **Coxall, H.K.**, Premec Fucek, V., Hernitz Kucenjok, M., Hemleben, C., Leckie, R.M., Smart, C.W., 2018. Taxonomy, biostratigraphy, phylogeny and diversity of Oligocene and early Miocene planktonic foraminifera. In: Wade, B., et al. (Eds.), Atlas of Oligocene Planktonic Foraminifera, *Cushman Foundation Special Publication*, 46:11-28.
45. Spezzaferri, S., **Coxall, H.K.**, Olsson, R.K., Hemleben, C.H., 2018. Taxonomy, biostratigraphy, and phylogeny of Oligocene *Globigerina*, *Globigerinella*, and *Quiltyella* n. gen. In: Wade, B., et al. (Eds.), Atlas of Oligocene Planktonic Foraminifera. *Cushman Foundation Special Publication*, 46:179-214.
46. Spezzaferri, S., Olsson, R.K., Hemleben, C., **Coxall, H.K.**, Wade, B. 2018. Taxonomy, biostratigraphy and phylogeny of Oligocene and lower Miocene *Globoturborotalita*. In: Wade, B., et al. (Eds.), Atlas of Oligocene Planktonic Foraminifera. *Cushman Foundation Special Publication*, 46:31-268.
47. Olsson, R.K., Hemleben, C.H., **Coxall, H.K.**, 2018. Taxonomy, biostratigraphy, and phylogeny of Oligocene *Ciperoella* n. gen. In: Wade, B., et al. (Eds.), Atlas of Oligocene Planktonic Foraminifera. *Cushman Foundation Special Publication*, 46:215-230.
48. **Coxall, H.K.**, Lear, C., O'Regan, M., Sliwinska, K., Zachos, J.C., Huck, C., van De Flierdt, T., Huber, M., de Boer, A., Backman, J., 2018. Export of nutrient rich Northern Component Water preceded early Oligocene Antarctic glaciation. *Nature Geoscience*, 11:190-196. <https://doi.org/10.1038/s41561-018-0069-9>
49. Barrientos, N., Lear, C.H., Jakobsson, M., Stranne, C., O'Regan, M., Cronin, T.M., Gukov, A.Y., **Coxall, H.K.**, 2018. Arctic Ocean benthic foraminifera Mg/Ca ratios and global Mg/Ca-temperature calibrations: New constraints at low temperatures. *Geochimica et Cosmochimica Acta*, 236:240-259.  
<https://doi.org/10.1016/j.gca.2018.02.036>
50. Ferreira, D., Cessi, P., **Coxall, H.K.**, de Boer, A., Dijkstra, H.A., Drijfhout, S.S., Eldevik, T., Harnik, N., McManus, J.F., Marshall, D.P., Nilsson, J., Roquet, F., Schneider, T., Wills, R. C., 2018. Atlantic-Pacific asymmetry in deep-water formation. *Annual Review of Earth and Planetary Sciences*, 46:327-352.  
doi:10.1146/annurev-earth-082517-010045

**2017**

51. Jakobsson, M., Pearce, C., Cronin, T.M., Backman, J., Anderson, L.G., Barrientos, N., Björk, G., **Coxall, H.**, de Boer, A., Mayer, L.A., Mörth, C.M., Nilsson, J., Rattray, J.E., Stranne, C., Semiletov, I., O'Regan, M., 2017. Post-glacial flooding of the Bering Land Bridge dated to 11 cal ka BP based on new geophysical and sediment records. *Climate of the Past*, 13:991-1005. <https://doi.org/10.5194/cp-13-991-2017>
52. Hull, P.M., Bohaty, S.M., Cameron, A., **Coxall, H.K.**, D'haenens, S., de Vleeschouwer, D., Elder, L.E., Friedrich, O., Kerr, K., Turner, S.K., Kordesch, W.E.C., Moriya, K., Norris, R.D., Norris, R.D., Opdyke, B.N., Penman, D.E., Pälike, H., Wilson, P.A., Sexton, P.F., Vahlenkamp, M., Wu, F., Zachos, J.C., 2017. Data Report: coarse fraction record for the Eocene megasplice at IODP Sites U1406, U1408, U1409, and U14111. In: Norris, R.D., Wilson, P.A., Blum, P., and the Expedition 342 Scientist. *Proceedings of the Integrated Ocean Drilling Program*, 342: College Station, Tx (Integrated Ocean Drilling Program). doi: 10.2204/iodp.proc.342.203.2017

## 2016

53. Birch, H., **Coxall, H.K.**, Pearson, P.N., Kroon, D., Schmidt, D.N., 2016. Partial collapse of the marine carbon pump after the Cretaceous-Paleogene boundary. *Geology*, 44:287-290. <https://doi.org/10.1130/G37581.1>
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## 2015

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## Expedition Reports

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#### Other non peer-reviewed articles

1. Vermassen, F., **Coxall, H.K.**, 2023. Disappearance of Arctic sea ice during summers of the Last Interglacial. *Nature Geoscience*. <https://doi.org/10.1038/s41561-023-01228-w>.
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#### Web sites

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#### Abstracts (conference posters and oral presentations) \* invited talks

1. Kanvinde, M.M., O'Regan, A.M., Tibbett, E.J., Vermassen, F., Dillan, B., Weitkamp, T.M., Leckie, M. & **Coxall, H.K.** 2026. From the central Arctic to the North Atlantic: *Globigerina exumbilicata* and its palaeoenvironmental significance. Forams 2026, UMAS Amherst, USA.
2. Jakobsson, M., Kirchner, N., Nilsson, J., Stranne, C., Mayer, L., Barnett, J., Holmes, F. A., Calder, B., Deutsch, C., de Boer, A. M., **Coxall, H. K.**, Faehnrich, K., Hong, W.-L., Hopper, J. R., Ketzer, M., Noormets, R., O'Regan, M., Ross, N., Sigray, P., Erstorp, E. S., Weidner, E., Wang, Z., and the GEOEO 2024 Scientific Party, 2026, The collapse of an ice tongue and environmental transition of a North Greenland Fjord, Healthy Humans and Oceans in the Arctic, 26-29 May 2026: Tórshavn, Faroe Islands.
3. Hsiang, A.Y., Weitkamp, T.M., Vermassen, F., Plavetić, Parvard, J-C, Astemann, I. P., **Coxall, H.K.**, 2025. Mass extinctions, Arctic survival and environmental monitoring: Applications of computer vision in foraminiferal research, SBDI Days 2026. 10-11<sup>th</sup> Feb, 2026, Swedish Museum of Natural History, Stockholm
4. Weitkamp, T.M., Bird, C., Darling, K.F., Jakobsson, M., O'Regan, A.M., Stranne, C., Takagi, H., Vermassen, F., **Coxall, H.K.**, 2025. New Insights into *Neogloboquadrina pachyderma* from North Greenland, GEOEO2024 Workshop-2, 12th-13th Nov. 2025, Stockholm University, Department of Geological Sciences, Stockholm

5. **Coxall, H.K.**, ten Sythoff, W. Kanvinde, M. Pleistocene planktonic foraminifera preservation events at Site U1603 (& U1604), IODP Exp 400 post cruise meeting 16-19 September, 2025, GEUS Copenhagen, Denmark.
6. Grant, G., Quinn, N., Cassidy, J., McKay, T., Bryant, R., Le Houedec, S., Nelissen, M., Knutz, P.C., IODP Expedition 400 Science Party, 2025. Orbital variability of the Greenland Ice Sheet during the Miocene Epoch, International Sedimentological Congress 2026, Wellington, New Zealand.
7. Hsiang, A.Y., Weitkamp, T.M., Vermassen, F., Pavard, J.-C., Polovodova Asteman, I., **Coxall, H.K.**, 2025, submitted. Automation and artificial intelligence in biodiversity: Case studies from foraminiferal research, Swedish Biodiversity Symposium, Stockholm, Natural History Museum.
8. Marie Sicard et al., Contrasting Arctic sea-ice and ocean circulation response to the early Last Interglacial and future warming, IAMAS-IACS-IAPSO Joint Assembly (BACO-25), July 20 to 25, 2025, Busan, Republic of Korea.
9. Razmjooei, M.J., **Coxall, H.K.**, Vermassen, F., Jakobsson, M., O'Regan, M., 2024. Improving Arctic Quaternary geochronology and paleoceanographic reconstructions, International Nannoplankton Association Annual Meeting, Conway, 2024.
10. Passchier, S., and the **IODP Exp 400 Scientists**, 2024. Sedimentology of Pliocene and Pleistocene glacially influenced drift sediments from the Northwest Greenland continental shelf: results from IODP Expedition 400, AGU Annual meeting, San Francisco.
11. Burns, K., Frank, T.D., and the **IODP Exp 400 Scientists**, 2024. Origin and Significance of Detrital Carbonate Beds in Pleistocene Strata, Northwestern Greenland Margin, AGU Annual meeting, San Francisco
12. Romans, B.W., Varela, N., F.S., and the **IODP Exp 400 Scientists**, 2024. Value of Levee-Overbank Turbidite Archives for Arctic and Antarctic Paleoclimatology and Ice-Sheet History, AGU Annual meeting, San Francisco.
13. Weitkamp, T.M., C., Vermassen, F., Hsiang, A., Bird, C., Darling, K., **Coxall, H.K.**, 2024. Distribution of *Neogloboquadrina pachyderma* morphotypes in the Central Arctic Ocean – first clonal schizont event observed in the wild, TMS, Cologne, 2024.
14. Taylor, V.E., Piasecki, A.M., Bohaty, S.M., Wilson, P.A., **Coxall, H.K.**, Meckler, A.N. 2024, Inter-basin comparison of deep ocean temperature change at the Eocene-Oligocene Transition, EGU General Assembly Vienna, Session CL1.1.4 – Past warm climate lessons to navigate into the future, Abstract: EGU24-12390, Poster
15. Sicard, M., de Boer, A.M., **Coxall, H.K.**, Koenigk, T., Karami, M.P., Jakobsson, M., O'Regan, M., 2024. Arctic sea-ice loss: Is the Last Interglacial (127 ka BP) a good analog of our future? EGU General Assembly Vienna, Session CL1.2.13 – Palaeoclimate modeling: from time-slices and sensitivity experiments to transient simulations into the future, Abstract: EGU24-5474, Talk
16. Weitkamp, T.M., Hsiang, A., Bird, C., Vermassen, F., Darling, K., **Coxall, H.K.**, 2024. Identifying modern *Neogloboquadrina pachyderma* morphotypes from the Central Arctic Ocean through supervised machine learning – a comparison between water column and seafloor sediment populations, EGU General Assembly Vienna. Session CL1.2.9, Arctic and Antarctic variability and change – climate processes and predictions from the geological past to the future, Abstract: EGU24-993, Poster
17. Naik, T.J., de Boer, A.M., **Coxall, H.K.**, Burls, N.J., Bradshaw, C.D., Donnadieu, Y., Farnsworth, A., Frigola, A., Herold, N., Huber, M., Karami, M.P., Knorr, G., LeGrande, A.N., Lunt, D.J., Prange, M., Zhang, Y. Opportunistic Model Intercomparison of the Miocene Ocean Circulation – MioMIP, EGU General Assembly

Vienna. Session CL1.1.1 Deep-time climate change and carbon cycling: insights from models and proxies, Abstract: EGU24-988, Poster

18. Knutz, P. C., Jennings, A. J., Childress, L.B. & Expedition 400 Science Party, 2024, A unique late Cenozoic archive of Greenland climate evolution recovered by IODP Expedition 400: Nordic Geological Winter, Gothenburg 10-12<sup>th</sup> January 2024.
19. Vermassen, F., O'Regan, M., de Boer, A., Schenk, F., Razmjooei, M., West, G., Cronin, M.T., Jakobsson, M., and **Coxall, H.K.**, 2023, A seasonally ice-free Arctic Ocean during the Last Interglacial (MIS 5e AGU Fall Meeting 2023, San Francisco, ID# 1308907
20. Knutz, P. C., Jennings, A. J., Childress, L.B. & Expedition 400 Science Party, 2024, A unique late Cenozoic archive of Greenland climate evolution recovered by IODP Expedition 400: Nordic Geological Winter, Gothenburg 10-12<sup>th</sup> January 2024
21. **Coxall, H.K.**, Vermassen, F., Cronin, T., Regnier, A., Darling, K., West, G., Husum, K., Voelker, A., Huber, B.T & O'Regan, M. Genus *Turborotalita* in the Central Arctic Ocean: *quinqueloba*, *egelida* & *exumbilicata*, Forams 2023 26<sup>th</sup>-30<sup>th</sup> June, 2023, Perugia, Italy. Oral presentation
22. **Coxall, H.K.**, Vermassen, F., Cronin, T., Regnier, A., Darling, K., West, G., Husum, K., Voelker, A., Huber, B.T & O'Regan, M. Taxonomy of *Turborotalita*. Neogene planktonic foraminifera working group meeting, Bremen, 8-9<sup>th</sup> November, 2022. Oral presentation.
23. Weitkamp T.M., Pearson P.N. & **Coxall H.K.** Upper Oligocene to Holocene planktonic foraminifera from DSDP Site 407, Reykjanes Ridge: towards a revised taxonomy of Neogene high-latitudes species. Forams 2023 26<sup>th</sup>-30<sup>th</sup> June, 2023, Perugia, Italy. Poster.
24. **Coxall, H.K.**, Pearson, P-N., Huber, B.T, Cramwinckel, M., Vermassen, V., Handl, T., Ezard, E. Plankton life history evolution reveals adaptation to Eocene cooling: a case study of the hantkeninids, Goldschmidt 2022, Hawaii, 10-15 July. (Invited Keynote speaker)
25. Martens, J., Hurley, S., **Coxall, H. K.**, O'Regan, M., Vermassen, F., and Hönisch, B., Arctic Ocean acidification during past warming periods based on  $\delta^{11}\text{B}$  in planktic foraminifera in Arctic sediment records, Poster Presentation, Gordon Research Conference, Polar Marine Science, Ventura, California, 2023.
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