

# Dr Helen K. Coxall Publications

## **Submitted and in review (March 2019)**

- Śliwińska, K.K., **Coxall, H.K.**, Hutchinson, D.K., de Boer, A.M., Schouten, S., submitted to Nature Geoscience, 27 February 2019, Early onset of the Eocene-Oligocene cooling in the North Atlantic region driven by atmospheric CO<sub>2</sub>.
- Kiel, S., Altamirano, A. J., Birgel, D., **Coxall, H.K.**, Hybertsen, F., and Peckmann, J., submitted to Lethaia, Fossiliferous methane-seep deposits from the Cenozoic Talara Basin in northern Peru
- Reghellin, D., **Coxall, H.K.**, Backman, J., and Dickens, G., submitted to Palaeoceanography and Palaeoclimatology, Comparison of stable isotope records across the Eastern Equatorial Pacific, from the Biogenic Bloom to Present-day (manuscript 2019PA003586)
- O'Regan, M., **Coxall, H.K.**, Cronin, T.M., Gyllencreutz, R., Jakobsson, M., Kabooth, S., Löwemark, L., Wiers, S., and West, G., in review, Stratigraphic Occurrences of the Sub-Polar Planktonic Foraminifera *Turborotalita quinqueloba* in Pleistocene Sediments on the Lomonosov Ridge: Frontiers in Earth Sciences.
- Barrientos, N., **Coxall, H.K.**, Lear, L.H., Pearce, P., Muschitiello, F., O'Regan, M., Stranne, M., de Boer, A., Koshurnikov, A., Jakobsson, M., Late Holocene variability in Arctic Ocean Pacific Water inflow through the Bering Strait, Geology, in revision.
- Keller, K.J., Farmer, J.R., Cronin, T. M., Dwyer, G.S., Schaller, M.F., Poirier, R K., and **Coxall, H.K.**, submitted, Quaternary Arctic Ocean paleoceanography using benthic foraminiferal  $\delta^{18}\text{O}$  and ostracode Mg/Ca ratios: Quaternary Science Reviews.
- Hutchinson, D.K., **Coxall, H.K.**, Caballero, R., Nilsson, J., O'Regan, M. and de Boer, A.M. Arctic closure as a trigger for Atlantic overturning at the Eocene-Oligocene Transition. Nature Communications, in review.

## **2018**

- 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., and Aze, T., 2018, Advances in planktonic foraminifer research: New perspectives for paleoceanography: Revue de Micropaléontologie, v. 61, no. 3-4, p. 113-138.
- Seidenstein, J.L., M., C.T., Gemery, L., Keigwin, L.D., Pearce, C., Jakobsson, M., **Coxall, H.K.**, Wei, E., and Driscoll, N., 2018, Late Holocene Paleoceanography in the Chukchi and Beaufort Seas, Arctic Ocean, based on Benthic Foraminifera and Ostracodes: 2018, Arktos, v. 4, 23, 1-17. <https://doi.org/10.1007/s41063-018-0058-7>.
- O'Regan, M.; **Coxall, H.K.**; Hill, P.; Hilton, R.; Muschitiello, F.; Swärd, H., Early Holocene sea-level in the Canadian Beaufort Sea constrained by radiocarbon dates from a deep borehole in the Mackenzie Trough, Arctic Canada, 2018, Boreas, v. 47, 4, p. 1102-1117, <https://doi.org/10.1111/bor.12335>.
- Hutchinson, D.K., de Boer, A.M., **Coxall, H.K.**, Caballero, R., Nilsson, J. and Baatsen, M., Climate sensitivity to greenhouse forcing in the late Eocene using GFDL CM2.1, 2018, Climates of the past, v. 14, 789-810, <https://doi.org/10.5194/cp-2017-161>.
- Coxall, H.K.** and 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, No. 46, p. 79-124.
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- Spezzaferri, S., **Coxall, H.K.**, Olsson, R.K. and 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, No. 46, p.179-214.

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- 2016**
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### **Other non peer-reviewed articles**

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**Coxall, H.K.** and Pringle, M., 1999. Leg 183: Kerguelen Plateau, a large igneous province. *UK ODP Newsletter* 25: 18-19.

### **Abstracts**

Birch, H., Schmidt, D.N., **Coxall, H.K.**, Pearson, P.N., and Ridgwell, A., K/Pg Mass Extinction: Recovery of Planktonic Foraminifera Size and Diversity, Abstract #PP54B-07, in Proceedings AGU Fall Meeting, Washington D.C. USA, December 2018, AGU

Hutchinson, D.K., De Boer, A.M., **Coxall, H.K.**, Caballero, R., Nilsson, J., and O'Regan, A. M., An Arctic gateway trigger for Atlantic overturning at the Eocene-Oligocene Transition, Abstract #PP13E-1366, in Proceedings AGU Fall Meeting, Washington D.C. USA, 2018, AGU.

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- Cronin, T., Coxall, H.K.**, A 450,000-year sea-ice reconstruction, Alpha Ridge, central Arctic Ocean: implications for the Mid-Brunhes Event, AGU Abstract 378741, December 2018.
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