

Employment

Special Consultant

Section for Geobiology

København K

1 Mar 2022 → nu

Associate Professor

Section for Geobiology

København K

28 Feb 2022 → 29 Feb 2024

Assistant Professor

GeoGenetics

København K

1 Jan 2013 → 30 Sep 2019

External Lecturer

Geosciences and Natural Resource Management

København K

1 Nov 2012 → 31 Jan 2013

Postdoc

Ecology and Evolution

København Ø, Denmark

1 Apr 2009 → 31 Mar 2012

Associate Professor

Globe Administration

København K

1 Jan 2013 → 30 Sep 2021

Associate Professor CO10

Research

København Ø

5 Mar 2020 → 19 Mar 2022

Research outputs

Late Ordovician and early Silurian virgianid and stricklandioid brachiopods from North Greenland: implications for a warm-water faunal province

Jin, J., Rasmussen, Christian Mac Ørum, Sheehan, P. M. & Harper, D. A. T., 2024, In: Papers in Palaeontology. 10, 1, 42 p., e1544.

Upper Ordovician carbon isotope chemostratigraphy and a high-resolution assessment of the Hirnantian Stage in the Baltic Sea subsurface

Gunnarsson, N., Calner, M., Rasmussen, Christian Mac Ørum, Wu, R., Lehnert, O. & Dahlqvist, P., 2024, (E-pub ahead of print) In: GFF. 31 p.

The Ordovician System in Greenland

Stouge, Svend, Rasmussen, Christian Mac Ørum & Harper, D. A. T., 2023, In: Geological Society, London, Special Publications. 533, 1, p. 27-64

The Ordovician of Scandinavia: a revised regional stage classification

Nielsen, Arne Thorshøj, Ahlberg, P., Ebbestad, J. O. R., Hammer, Ø., Harper, D. A. T., Lindskog, A., Rasmussen, Christian Mac Ørum & Stouge, Svend, 2023, In: Geological Society, London, Special Publications. 532, p. 267-315

The detailed Middle to early Late Ordovician faunal succession and $\delta^{13}\text{C}$ carbon chemistry of the Kårehamn drill core, offshore eastern Öland, Sweden: implications for stratigraphy and correlation

Stouge, Svend, Bagnoli, G., Bauert, G., Bauert, H. & Rasmussen, Christian Mac Ørum, 2023, In: Estonian Journal of Earth Sciences. 72, 1, p. 159

Was the Late Ordovician mass extinction truly exceptional?

Rasmussen, Christian Mac Ørum, Vandenbroucke, T. R. A., Nogues, David Bravo & Finnegan, S., 2023, In: Trends in Ecology and Evolution. 38, 9, p. 812-821 10 p.

Er livets mangfoldighed et produkt af Jordens varierende bane i rummet?

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A Baltic Perspective on the Early to Early Late Ordovician $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ Records and Its Paleoenvironmental Significance

Edward, O., Korte, Christoph, Ullmann, C. V., Colmenar, J., Thibault, Nicolas Rudolph, Bagnoli, G., Stouge, Svend & Rasmussen, Christian Mac Ørum, Mar 2022, In: Paleoceanography and Paleoclimatology. 37, 3, 26 p., e2021PA004309.

A synopsis of Late Ordovician brachiopod diversity in the Anti-Atlas, Morocco

Colmenar Lallena, J., Villas, E. & Rasmussen, Christian Mac Ørum, 2022, *The Great Ordovician Biodiversification Event: Insights from the Tafilalt Biota, Morocco*. 1 ed. London: Geological Society of London, Vol. 485. p. 153-163 (Geological Society Special Publication; No. 1, Vol. 485).

Stable ocean redox during the main phase of the Great Ordovician Biodiversification Event

del Rey, Álvaro, Rasmussen, Christian Mac Ørum, Calner, M., Wu, R., Asael, D. & Dahl, Tais Wittchen, 2022, In: Communications Earth & Environment. 3, 7 p., 220.

Synchronizing rock clocks in the late Cambrian

Zhao, Zhengfu, Thibault, Nicolas Rudolph, Dahl, Tais Wittchen, Schovsbo, N. H., Sørensen, A. L., Rasmussen, Christian Mac Ørum & Nielsen, Arne Thorshøj, 2022, In: Nature Communications. 13, 11 p., 1990.

The Hirnantian Stage and the Hirnantian Isotope Carbon Excursion (HICE) in the Gotland (Sweden) subsurface

Gunnarsson, N., Calner, M., Wu, R., Rasmussen, Christian Mac Ørum, Lehnert, O., Erlström, M. & Dahlqvist, P., 2022, *Geological Society of Sweden 150 Year Anniversary Meeting: Abstract volume*. Weihed, J. B., Johansson, Å. & Rehnström, E. (eds.). Geologiska Föreningen, p. 320-321 (Geologiska Föreningen Specialpublikation, Vol. 1).

Warm-water *Tcherskidium* fauna (Brachiopoda) in the Late Ordovician Northern Hemisphere of Laurentia and peri-Laurentia

Jin, J., Blodgett, R. B., Harper, D. A. T. & Rasmussen, Christian Mac Ørum, 2022, In: Journal of Paleontology. 96, 6, p. 1461-1478 18 p.

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Arts, M., Cramer, B., Calner, M., Rasmussen, Christian Mac Ørum, Bancroft, A., Oborny, S., Hartke, E., Biebesheimer, E. & Silva, A. D., 4 Mar 2021

A temporal framework for the Mid–early Late Ordovician of Baltica

Rasmussen, Christian Mac Ørum, Thibault, Nicolas Rudolph, Stouge, Svend, Calner, M., Rasmussen, Jan Audun Liljerøth, Lindskog, A., Bauert, H., Sinnesael, M., Edward, O., Bagnoli, G., Siggaard-Andersen, Marie-Louise, Wu, R., Bauert, G., Ullmann, C. V., Korte, Christoph, Schovsbo, N. & Nielsen, Arne Thorshøj, 2021, In: Journal de l'Association Paléontologique Française. 2021, Numéro Spécial 2, p. 66

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Synchronizing Rock Clocks in the Cambrian

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A multidisciplinary perspective on the Great Ordovician Biodiversification Event and the development of the early Paleozoic world

Stigall, A. L., Freeman, R. L., Edwards, C. T. & Rasmussen, Christian Mac Ørum, 2020, In: Palaeogeography, Palaeoclimatology, Palaeoecology - An International Journal for the Geo-Sciences. 543, 8 p., 109521.

Cyclo and chemostratigraphic characteristics of the Middle Silurian in Gotland, Sweden

Arts, M., Cramer, B., Calner, M., Rasmussen, Christian Mac Ørum, Bancroft, A., Oborny, S., Hartke, E., Biebesheimer, E. & Silva, A. D., 2020. 1 p.

Middle Ordovician carbonate facies development, conodont biostratigraphy and faunal diversity patterns at the Lynna River, northwestern Russia

Lindskog, A., Eriksson, M. E., Rasmussen, J. A., Dronov, A. & Rasmussen, Christian Mac Ørum, 2020, In: Estonian Journal of Earth Sciences. 69, 1, p. 37-61

Zooming in on the GOBE – 2020 Virtual Annual Meeting of IGCP 653: Abstracts and programme

Rasmussen, Christian Mac Ørum (ed.), Stigall, A. L. (ed.), Nielsen, Arne Thorshøj (ed.), Stouge, Svend (ed.) & Schovsbo, N. H. (ed.), 2020, Copenhagen: Geological Survey of Denmark and Greenland (GEUS). 54 p. (Danmarks og Grønlands Geologiske Undersøgelse Rapport; No. 21, Vol. 2020).

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The glacially induced Middle Ordovician rise of the Plectambonitoidea (Brachiopoda) and the phylogenetic placement of the Baltic genus Ukoa

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Da temperaturen faldt, fik livet fart på

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Cascading trend of Early Paleozoic marine radiations paused by Late Ordovician extinctions

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An imprint of astronomical climate forcing in the Baltoscandian Middle Ordovician 'orthoceratite limestone'?

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Gamma-ray log correlation and stratigraphic architecture of the Cambro-Ordovician Alum Shale Formation on Bornholm, Denmark: Evidence for differential syndepositional isostasy

Nielsen, Arne Thorshøj, Schovsbo, N. H., Klitten, K., Woollhead, D. & Rasmussen, Christian Mac Ørum, 2018, In: Bulletin of the Geological Society of Denmark. 66, p. 237-273 18 p.

Identifying the most surprising victims of mass extinction events: an example using Late Ordovician brachiopods

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Refined Ordovician timescale reveals no link between asteroid breakup and biodiversification

Lindskog, A., Canas Portela Costa, M. M., Rasmussen, Christian Mac Ørum, Connelly, James & Eriksson, M. E., 24 Jan 2017, In: Nature Communications. 8, 8 p., 14066.

Upper Cambrian to Upper Ordovician $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ stratigraphy of the western Baltic palaeobasin, Öland, Sweden: A closer look at climate during the onset of the Ordovician Radiation

Edward, O., Korte, Christoph, Ullmann, C. V., Colmenar, J., Nielsen, M., Stouge, Svend & Rasmussen, Christian Mac Ørum, 2017, p. A-389.

Et køligere klima kan skabe øget biodiversitet

Rasmussen, Christian Mac Ørum, 6 Jan 2016

Biogeographic and bathymetric determinants of brachiopod extinction and survival during the Late Ordovician mass extinction

Finnegan, S., Rasmussen, Christian Mac Ørum & Harper, D. A. T., 2016, In: Proceedings of the Royal Society B: Biological Sciences. 283, 1829, 9 p., 20160007.

Onset of main Phanerozoic marine radiation sparked by emerging Mid Ordovician icehouse

Rasmussen, Christian Mac Ørum, Ullmann, C. V., Jakobsen, K. G., Lindskog, A., Hansen, J., Hansen, T., Eriksson, M. E., Dronov, A., Frei, Robert, Korte, Christoph, Nielsen, Arne Thorshøj & Harper, D. A. T., 2016, In: Scientific Reports. 6, 9 p., 18884.

The onset of the 'Ordovician Plankton Revolution' in the late Cambrian

Servais, T., Perrier, V., Danelian, T., Klug, C., Martin, R., Munnecke, A., Nowak, H., Nützel, A., Vandenbroucke, T. R. A., Williams, M. & Rasmussen, Christian Mac Ørum, 2016, In: *Palaeogeography, Palaeoclimatology, Palaeoecology - An International Journal for the Geo-Sciences*. 458, p. 12-28 17 p.

Towards a calibrated astronomical timescale for the Mid Ordovician

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Subaerial speleothems and deep karst in central Sweden linked to Hirnantian glaciations

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Late Ordovician carbonate mounds from North Greenland: a peri-Laurentian dimension to the Boda Event?

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Phylogeography of Ordovician-Silurian rhynchonelliform brachiopods: tracking higher order distributional patterns, radiations and extinctions in 4D

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Late Ordovician brachiopods from eastern North Greenland: equatorial offshore migration of the Red River fauna

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Precisely locating the Ordovician equator in Laurentia

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Biodiversity, biogeography and phylogeography of Ordovician rhynchonelliform brachiopods

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Late Ordovician brachiopods from West-central Alaska: systematics, ecology and palaeobiogeography

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The Otta brachiopod and trilobite fauna: palaeogeography of Early Palaeozoic terranes and biotas across Baltoscandia

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Da Nordpolen lå et sted i troperne

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Survival of the thickest: Late Ordovician - Early Silurian brachiopods from Peary Land, North Greenland

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Baltica: a mid Ordovician diversity hotspot

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Diachronism in the Ordovician brachiopod diversification: Extrinsic and intrinsic factors

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The Ordovician – Silurian pentameroid seas of North Greenland: tropical incumbents rule the waves

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Activities

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Rasmussen, Christian Mac Ørum (Lecturer)

26 Mar 2010

Hvad kan døde dyr fortælle om klimaet?: -eksempler fra Jordens oldtid

Rasmussen, Christian Mac Ørum (Lecturer)

26 Feb 2010

En Palæozoisk masseuddøen i Nordgrønland

Rasmussen, Christian Mac Ørum (Lecturer)

23 Nov 2007

Nordgrønlands kortlægning – fra suverænitetspørgsmål til suverænitetspørgsmål

Rasmussen, Christian Mac Ørum (Lecturer)

30 Jan 2007

Brachiopoder: opbygning, taksonomi og anvendelsesmuligheder

Rasmussen, Christian Mac Ørum (Lecturer)

20 Nov 2006