

Employment

Associate Professor

Section for Geobiology

København K

1 Oct 2020 → 30 Sep 2021

Assistant professor

GeoGenetics

København K

1 Jan 2013 → 30 Sep 2019

Assistant professor

Education Board

København K

1 Jan 2013 → 3 Jul 2019

Ekstern lektor

Geosciences and Natural Resource Management

København K

1 Nov 2012 → 31 Jan 2013

Post doc.

Ecology and Evolution

København Ø, Denmark

1 Apr 2009 → 31 Mar 2012

Associate Professor

GLOBE Administration

København K

1 Jan 2013 → 30 Sep 2021

Research outputs

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

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

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

Correction to 'The evolutionary dynamics of the Early Palaeozoic marine biodiversity accumulation'

Kröger, B., Franek, F. & Rasmussen, Christian Mac Ørum, 4 Dec 2019, In : Proceedings of the Royal Society B: Biological Sciences. 286, 1916, 3 p., 20192358.

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

Rasmussen, Christian Mac Ørum & Pedersen, M., 15 Nov 2019, In : Palaeogeography, Palaeoclimatology, Palaeoecology. 534, 14 p., 109319.

Coordinated biotic and abiotic change during the Great Ordovician Biodiversification Event: Darriwillian assembly of early Paleozoic building blocks

Stigall, A. L., Edwards, C. T., Freeman, R. L. & Rasmussen, Christian Mac Ørum, 15 Sep 2019, In : *Palaeogeography, Palaeoclimatology, Palaeoecology - An International Journal for the Geo-Sciences*. 530, p. 249-270 22 p.

Da temperaturen faldt, fik livet fart på

Rasmussen, Christian Mac Ørum, 6 Aug 2019

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

Rasmussen, Christian Mac Ørum, Kroger, B., Nielsen, M. L. & Colmenar, J., 9 Apr 2019, In : *Proceedings of the National Academy of Sciences of the United States of America*. 116, 15, p. 7207-7213 7 p.

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

Rasmussen, Christian Mac Ørum, Sinnesael, M., Thibault, Nicolas Rudolph, Stouge, Svend, Siggaard-Andersen, M. & Schovsbo, N., 2019, In : *Geophysical Research Abstracts*. 21, 14038, 1 p.

Building mountain biodiversity: geological and evolutionary processes

Rahbek, Carsten, Borregaard, Michael Krabbe, Antonelli, A., K. Colwell, R., Holt, B. G., Nogues, David Bravo, Rasmussen, Christian Mac Ørum, Richardson, Katherine, Rosing, Minik Thorleif, Whittaker, R. J. & Fjeldsø, Jon, 2019, In : *Science*. 365, 6458, p. 1114-1119 6 p.

The evolutionary dynamics of the early Palaeozoic marine biodiversity accumulation

Kröger, B., Franeck, F. & Rasmussen, Christian Mac Ørum, 2019, In : *Proceedings of the Royal Society B: Biological Sciences*. 286, 1909, 6 p., 20191634.

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

Colmenar Lallena, J., Villas, E. & Rasmussen, Christian Mac Ørum, Sep 2018, *Geological Society, London, Special Publications*,: *The Great Ordovician Biodiversification Event: Insights from the Tafilalt Biota, Morocco*. London, Vol. 485.

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

Finnegan, S., Rasmussen, Christian Mac Ørum & Harper, D. A. T., Sep 2017, In : *Biology Letters*. 13, 9, 5 p., 20170400.

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.

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.

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

Kröger, B., Ebbestad, J. O. R., Lehnert, O., Ullmann, C. V., Korte, Christoph, Frei, Robert & Rasmussen, Christian Mac Ørum, 2015, In : *Journal of the Geological Society - London*. 172, 3, p. 349-356 8 p.

End Ordovician extinctions: a coincidence of causes

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

Harper, D. A. T., Jin, J. & Rasmussen, Christian Mac Ørum, 2014, In : *GFF*. 136, 1, p. 95-99 5 p.

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

Rasmussen, Christian Mac Ørum, 2014, In : *GFF*. 136, 1, p. 223-228 6 p.

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

Rasmussen, Christian Mac Ørum, Mar 2013, In : *Palaeontology*. 56, 2, p. 359-379 21 p.

Precisely locating the Ordovician equator in Laurentia

Jin, J., Harper, D. A. T., Cocks, L. R. M., McCausland, P. J. A., Rasmussen, Christian Mac Ørum & Sheehan, P. M., Feb 2013, In : *Geology*. 41, 2, p. 107-110 4 p.

Biodiversity, biogeography and phylogeography of Ordovician rhynchonelliform brachiopods

Harper, D. A. T., Rasmussen, Christian Mac Ørum, Liljeroth, M., Blodgett, R. B., Candela, Y., Jin, J., Percival, I. G., Rong, J. Y., Villas, E. & Zhan, R. B., 2013, *Early palaeozoic biogeography and palaeogeography*. Harper, D. A. T. & Servais, T. (eds.). Geological Society, p. 127-144 18 p. (Geological Society of London. Memoirs; No. 38).

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

Rasmussen, Christian Mac Ørum, Harper, D. A. T. & Blodgett, R. B., 2012, Wiley-Blackwell. 103 p. (Fossils and Strata, Vol. 58).

Transgressive-regressive events and facies through the Upper Ordovician– Lower Silurian of Peary Land, North Greenland

Harper, D. A. T., Rasmussen, Christian Mac Ørum, Munnecke, A., Jin, J., Stouge, Svend & Rasmussen, Jan Audun Liljeroth, 2012, *Geophysical Research Abstracts 14, EGU2012-13528, 2012*. 2012 ed. Vol. 14. 1 p.

Reclaiming the tropical shores of Laurentia: the early Silurian pentameroid (r)evolution

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Final destination, first discovered: the tale of *Oanduporella* Hints, 1975

Rasmussen, Christian Mac Ørum, May 2011, *Ordovician of the World*. Gutiérrez-Marco, J. C., Rábano, I. & García-Bellido, D. (eds.). Instituto Geológico y Minero de España, p. 447-455 9 p. (Publicaciones del Instituto Geológico y Minero de España. Serie: Cuadernos del Museo Geominero; No. 14).

Did the amalgamation of continents drive the end Ordovician mass extinctions?

Rasmussen, Christian Mac Ørum & Harper, D. A. T., 2011, In : *Palaeogeography, Palaeoclimatology, Palaeoecology - An International Journal for the Geo-Sciences*. 311, 1-2, p. 48-62 15 p.

Interrogation of distributional data for the End Ordovician crisis interval: *where* did disaster strike?

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Tectonics, islands and island hopping in the Early Palaeozoic benthos

Harper, D. A. T., Liljeroth, M. & Rasmussen, Christian Mac Ørum, 2011, In : Scripta Geologica. 142, p. 11-12 2 p.

An atypical Late Ordovician Red River brachiopod fauna from eastern North Greenland: eastward, offshore migration of the *Hiscobeccus*-fauna

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Unravelling a Late Ordovician pentameride (Brachiopoda) hotspot from the Boda Limestone, Siljan district, central Sweden

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Ecostratigraphical interpretation of lower Middle Ordovician East Baltic sections based on brachiopods

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So where did they go? Brachiopod refuges during the End Ordovician crisis interval

Rasmussen, Christian Mac Ørum & Harper, D. A. T., 2009, *Ikke angivet*. Harper, D. A. T. & McCorry, M. (eds.). Museum Tusulanum, p. 15 1 p.

Sulcipientamerus (Pentamerida, Brachiopoda) from the Lower Silurian Washington Land Group, North Greenland

Jin, J., Harper, D. A. T. & Rasmussen, Christian Mac Ørum, 2009, In : Palaeontology. 52, p. 385-399 15 p.

Virgiana Billings, 1857: on top of the world after 150 years

Rasmussen, Christian Mac Ørum & Harper, D. A. T., 2008, In : Palaeontology Newsletter. 66, p. 52 1 p.

Occurrence of the Late Ordovician Red River lithofacies and biofacies in North Greenland.

Jin, J., Harper, D. A. T., Rasmussen, Jan Audun Liljeroth, Rasmussen, Christian Mac Ørum & Stouge, Svend, 2008, In : Canadian Paleontology Conference Proceedings. 6, p. 18-21 4 p.

På fossiljagt i Andesbjergenes rødder: et bidrag til rekonstruktion af fortidens geografi

Stemmerik, L., Harper, D. A. T., Rasmussen, Jan Audun Liljeroth, Rasmussen, Christian Mac Ørum & Pincka, G. A. H., 2008, In : Geografisk Orientering. 38, 1, p. 428-432

Resolving early Mid-Ordovician (Kundán) bioevents in the East Baltic based on brachiopods

Rasmussen, Christian Mac Ørum & Harper, D. A. T., 2008, In : Geobios. 41, 4, p. 533-542

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

Harper, D. A. T., Bruton, D. L. & Rasmussen, Christian Mac Ørum, 2008, In : Fossils and Strata. 54, p. 31-40 10 p.

Da Nordpolen lå et sted i troperne

Rasmussen, Christian Mac Ørum & Harper, D. A. T., 2007, In : Naturens Verden. 90, 6, p. 2-13 12 p.

Depth - related brachiopod bioevents in the Middle Ordovician (Kundán) of Baltica

Rasmussen, Christian Mac Ørum & Harper, D. A. T., 2007, *Programme with Abstracts: IGCP 503 Annual Meeting*. Owen, A. (ed.). University of Glasgow, p. 40 1 p.

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

Rasmussen, Christian Mac Ørum, Harper, D. A. T., Jin, J., Rasmussen, Jan Audun Liljeroth & Stouge, Svend, 2007, *Lundadagarna i Historisk geologi och paleontologi: Abstracts with programme*. Terfelt, F. & Axheimer, N. (eds.). Lund University Press, p. 35 1 p.

Andesbjergenes rødder

Harper, D. A. T., Rasmussen, Jan Audun Liljeroth, Rasmussen, Christian Mac Ørum, Stemmerik, L. & Pineda, G. A. H., 2007, In : *Geoviden*. 3, p. 12-15 4 p.

Baltica: a mid Ordovician diversity hotspot

Rasmussen, Christian Mac Ørum, Hansen, J. & Harper, D. A. T., 2007, In : *Historical Biology*. 19, 3, p. 255-261 7 p.

Diachronism in the Ordovician brachiopod diversification: Extrinsic and intrinsic factors

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Overview of the pentameride brachiopod succession (upper Ordovician – lower Silurian) in Børglum Elv and G.B. Schley Fjord, Peary Land, North Greenland

Harper, D. A. T., Jin, J., Rasmussen, Christian Mac Ørum, Rasmussen, Jan Audun Liljeroth & Stouge, Svend, 2007, *Acta Palaeontologica Sinica*. Nanjing, Vol. 46 supplement. p. 176 – 180 5 p.

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

Harper, D. A. T., Jin, J., Rasmussen, Christian Mac Ørum, Rasmussen, Jan Audun Liljeroth, Stouge, Svend & Svennevig, K., 2007, In : *Palaeontological Association, Newsletter*. 66, p. 56 1 p.

Was SW Alaska part of Baltica in the Late Ordovician?

Rasmussen, Christian Mac Ørum & Harper, D. A. T., 2007, *Ikke angivet*. Ebbestad, J. O. R., Wickström, L. M. & Högström, A. E. S. (eds.). Geological Survey of Sweden, p. 103-104 1 p. (SGU Rapporter och meddelanden, Vol. 128).

Den østbaltiske Kunda Etage: starten på den store Ordovisciske biodiversifikation

Rasmussen, Christian Mac Ørum & Harper, D. A. T., 2005, In : *Varv*. 4, p. 3-23 21 p.

Ecostratigraphical interpretation of the lower Middle Ordovician (Kundan) argillaceous limestones from the Eastern Baltic based on brachiopods.

Rasmussen, Christian Mac Ørum, Harper, D. A. T. & Nielsen, Arne Thorshøj, 2005, In : *Palaeontology Newsletter*. 60, p. 54

Kundan (early Mid Ordovician) brachiopods from the Baltic: biostratigraphy and ecostratigraphy.

Rasmussen, Christian Mac Ørum & Harper, D. A. T., 2005, In : *GFF*. 127, p. 54 1 p.

The Otta brachiopod fauna: Palaeogeography of early Palaeozoic terranes and biotas across Baltoscandia.

Harper, D. A. T., Bruton, D. L. & Rasmussen, Christian Mac Ørum, 2005, *Abstracts, Fifth International Brachiopod Congress*. København: Geological Survey of Greenland, p. 15 1 p.

Tracking brachiopod bioevents in the lower middle Ordovician (Kundan) of Baltica.

Rasmussen, Christian Mac Ørum & Harper, D. A. T., 2005, In : *Insight*. 2, p. 27 1 p.

Early Mid Ordovician (Kundan) brachiopods from the Eastern Baltic: biostratigraphy, palaeogeography and palaeoecology

Rasmussen, Christian Mac Ørum & Harper, D. A. T., 2004, *Palaeontological Association Newsletter*. 57 ed. Frankrig, p. 176

The Kunda (early Mid Ordovician) brachiopod fauna from Western Russia: data from Putilovo Quarry

Rasmussen, Christian Mac Ørum & Harper, D. A. T., 2004, *WOGOGOB-2004 8th Meeting of the Working Group on the Ordovician Geology of Baltoscandia, Tallinn and Tartu*. 1 ed. Estonia, p. 87 1 p.

Activities

Hvad laver en geolog? -eller rettere: hvad kan en geolog forske i?

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 suverænitets spørgsmål til suverænitets spørgsmål

Rasmussen, Christian Mac Ørum (Lecturer)

30 Jan 2007

Brachiopoder: opbygning, taksonomi og anvendelsesmuligheder

Rasmussen, Christian Mac Ørum (Lecturer)

20 Nov 2006