

Talks (speaker)

- 2022 TMS Silicofossil and Palynology Joint Meeting in Newcastle, UK: [Özen V.](#), [Rodrigues de Faria G.](#), [Renaudie J.](#), [Lazarus D.](#), [Asatryan G.](#), Diatom diversity and paleoproductivity history across the Eocene-Oligocene Transition; [Carlsson V.](#), [Danelian T.](#), [Boulet P.](#), [Devienne P.](#), [Laforge A.](#), [Renaudie J.](#), AI applied to the classification of eight Middle Eocene species of the genus *Podocyrthis*.
- 12th meeting on Climatic and Biotic Events of the Paleogene in Bremen, Germany: [Figus C.](#), [Gladenkov A. Yu.](#), [Oreshkina T. V.](#), [Özen V.](#), [Renaudie J.](#), [Siver P.](#), [Witkowski J.](#), A compilation of stratigraphic occurrences of diatomite through the Paleogene: implications for paleoclimate, silicate weathering, and carbon burial in shallow marine environments; [Özen V.](#), [Rodrigues de Faria G.](#), [Renaudie J.](#), [Lazarus D.](#), Marine diatoms' evolutionary response to Eocene-Oligocene climatic events
- InterRad 16th meeting in Ljubjana, Slovenia: [Asatryan G.](#), [Renaudie J.](#), [Lazarus D.](#), New studies of Eocene-Oligocene Southern Ocean radiolaria; [Lazarus D.](#), [Suzuki N.](#), [Young J.](#), [Caulet J.-P.](#), [Renaudie J.](#), Radiolaria@mikrotax: A progress report on putting a synthesis of Cenozoic radiolarian taxonomic databases online; [Renaudie J.](#), [Lazarus D.](#), [Özen V.](#), [Rodrigues de Faria G.](#), [Trubovitz S.](#), A 'big data' look at the impact of climate on fossil plankton biodiversity, with a projection for future climate change; [Carlsson V.](#), [Danelian T.](#), [Boulet P.](#), [Devienne P.](#), [Laforge A.](#), [Renaudie J.](#), A Simple CNN Approach for Automatic Classification of Eight Closely Related Species of the Middle Eocene Genus *Podocyrthis*; [Sandin M.M.](#), [Renaudie J.](#), [Suzuki N.](#), [Not F.](#), Radiolaria diversity, ecology and evolution: an integrative approach.
- 2021 92nd Annual Meeting of the Paläontologische Gesellschaft: [Jansen M.](#), [Buchwitz M.](#), [Renaudie J.](#), [Marchetti L.](#), [Voigt S.](#), Uncertain phylogenetic relationships as a source of Error in the Trackway-data-based Reconstruction of Locomotion Evolution within Amniote Ancestors.
- GeoKarlsruhe virtual conference: [Rodrigues de Faria G.](#), [Özen V.](#), [Lazarus D.](#), [Struck U.](#), [Renaudie J.](#), [Asatryan G.](#), Biological Productivity in the Southern Ocean across the Eocene-Oligocene transition; [Asatryan G.](#), [Özen V.](#), [Rodrigues de Faria G.](#), [Lazarus D.](#), [Renaudie J.](#), Paleogene polar plankton and paleoproductivity: new proxy data from the Eocene-Oligocene transition.
- Crossing the Paleontological-Ecological Gap symposium in Berlin, Germany: [Renaudie J.](#), [Özen V.](#), [Rodrigues de Faria G.](#), [Trubovitz S.](#), [Lazarus D.B.](#), Climatic range of modern fossilizable phytoplankton; [Hunter J.](#), [Özen V.](#), [Rodrigues de Faria G.](#), [Renaudie J.](#), [Lazarus D.](#), Southern Ocean Diatom Size Dynamics and the end-Eocene Paleoproductivity; [Özen V.](#), [Rodrigues de Faria G.](#), [Renaudie J.](#), [Lazarus D.](#), Evolutionary dynamics of the Southern Ocean diatoms across the Eocene-Oligocene transition; [Rillo M.](#), [Smith J.](#), [Hull P.](#), [Finnegan S.](#), the BioDeepTime Working Group, Integrating community turnover from modern and fossil data.
- Goldschmidt2021 in Lyon, France: [Fontorbe G.](#), [Frings P.J.](#), [Renaudie J.](#), [Cao Z.](#), [Zhang Z.](#), [Frank M.](#), Radiolarian species-specific fractionation: insights from a Miocene sediment core.
- 2020 Progressive Palaeontology 2020 Online: [Woodhouse A.](#), [Fenton I.](#), [Aze T.](#), [Lazarus D.](#), [Renaudie J.](#), [Young J.](#), [Saupe E.](#), Triton: a new extension of the Neptune Database.
- AGU Fall Meeting 2020 Online Everywhere: [Woodhouse A. D.](#), [Fenton I.](#), [Jackson S.](#), [Saupe E.](#), [Dunhill A.](#), [Renaudie J.](#), [Lazarus D. B.](#), [Sexton P. F.](#), [Young J. R.](#), [Pearson P. N.](#), [Wignall P.](#), [Aze T.](#), Can the Cenozoic marine paleontological record be used to predict multi-scaled extinction susceptibility?
- 2019 3rd International Congress on Stratigraphy in Milan, Italy: [Renaudie J.](#), [Lazarus D.](#), [Diver P.](#), [NSB](#), a Big Data tool for chronostratigraphic syntheses of the deep-sea sediment record.
- North American Paleontological Conference (NAPC) in Riverside, USA: [Lazarus D.](#), [Renaudie J.](#), [Asatryan G.](#) Diversity dynamics and climate change in Cenozoic marine siliceous plankton; [Lazarus D.](#), [Renaudie J.](#), [Young J.](#), [Diver P.](#), [NSB](#) and Mikrotax: Databases and software tools for fossil and living plankton research; [Trubovitz S.](#), [Lazarus D.](#), [Renaudie J.](#), [Noble P.](#), Tropical and polar plankton demonstrate contrasting sensitivities to climate change throughout the Late Neogene.
- 3rd International Conference of Continental Ichnology (ICCI) in Halle, Germany: [Jansen M.](#), [Buchwitz M.](#), [Renaudie J.](#), [Voigt S.](#), Reconstruction of an Ancestral Amniote Trackmaker based on Trackway Data, Track – Trackmaker Correlation and Phylogeny.
- Biodiversity_Next in Leiden, Netherlands: [Lazarus D.](#), [Renaudie J.](#), Paleobiodiversity and Earth Science Environmental Data.
- TMS Annual Meeting in Nottingham, UK: [Young J.R.](#), [Lazarus D.B.](#), [Renaudie J.](#), [Bown P.R.](#), [Wade B.S.](#), [Huber B.T.](#), Can we extract biostratigraphically useful data from large-scale occurrence-databases such as Neptune? Insights from development of the Mikrotax system.

- AGU Fall Meeting 2019 in San Francisco, USA: [Trubovitz S.](#), [Lazarus D.B.](#), [Renaudie J.](#), [Noble P.J.](#), Neogene Radiolarian Climate Sensitivity and its Implications for Ocean Ecosystems and Geochemical Cycling; [Wellner J.](#), [Gohl K.](#), [Klaus A.](#) and the Expedition 379 Science Party¹, West Antarctic Ice Sheet and Ocean Dynamics in the Outer Amundsen Sea: Initial Results from IODP Expedition 379.
- 2018 GEOBONN 2018 'Living Earth' in Bonn, Germany: [Jansen M.](#), [Buchwitz M.](#), [Renaudie J.](#), [Voigt S.](#), Reconstruction of an ancestral amniote trackmaker based on trackway data, track-trackmaker correlation and phylogeny.
- 2017 InterRad 15th meeting in Niigata, Japan: [Renaudie J.](#), [Fontorbe G.](#), [Lazarus D.](#), [Salzmann S.](#), [Frings P.](#), [Conley D.](#), Testing the vital effect on silicon isotope measurements in Late Eocene Pacific radiolarians.
- 2016 Lyell Meeting of the Geological Society in London, UK: [Lazarus D.](#), [Renaudie J.](#), [Diver P.](#), The NSB (Neptune) Database : current status and future development.
- 2015 InterRad 14th meeting in Antalya, Turkey: [Renaudie J.](#), [Lazarus D.](#), Diatoms, radiolarians and the Cenozoic Si and C cycles ; [Lazarus D.](#), [Renaudie J.](#), Reconstructing radiolarian diversity: what we don't know; and a new analysis of the Cenozoic.
- 2014 EGU general meeting in Vienna, Austria: [Renaudie J.](#), [Lazarus D.](#), A quantitative review of Cenozoic diatom deposition history.
- 2013 TMS Silicofossil Group meeting in Cambridge, UK: [Renaudie J.](#), [Lazarus D.](#), Cenozoic history of marine diatom deposition: a quantitative review.
Deutscher Museumsbund Fachgruppe Dokumentation Herbsttagung in Berlin-Dahlem, Germany: [Renaudie J.](#) (on behalf of [Lazarus D.](#)), Taxonomic backbone databases for fossil and living marine microplankton.
- 2012 InterRad 13th meeting in Cadiz, Spain: [Renaudie J.](#), [Lazarus D.](#), On the accuracy of paleodiversity reconstructions: a case study using Antarctic Neogene radiolarians.
Jubiläumstagung der Paläontologische Gesellschaft in Berlin, Germany: [Renaudie J.](#), [Lazarus D.](#), Macroevolutionary patterns in Antarctic Neogene radiolarians.
TMS annual meeting in Nottingham, UK: [Renaudie J.](#), [Lazarus D.](#), Toward an high-resolution stratigraphy for Antarctic Neogene radiolarians.
- 2011 TMS Silicofossil Group meeting in Lille, France: [Renaudie J.](#), [Lazarus D.](#), Macro-evolutionary patterns in Antarctic Neogene radiolarians.
- 2007 Congrès de l'Association Française de Paléontologie in Dignes-les-Bains, France: [Renaudie J.](#), [Danelian T.](#), [Saint-Martin S.](#), Eocene diatoms in the tropical Atlantic (ODP Leg 207) and climate changes.

Displays

- 2020 EGU2020 Sharing Geoscience Online: [Renaudie J.](#), [Lazarus D.](#), [Trubovitz S.](#), [Özen V.](#), [Rodrigues de Faria G.](#), [Asatryan G.](#), [Noble P.](#), Cenozoic plankton diversity dynamics and the impact of macroevolution on the marine carbon cycle; [Rodrigues de Faria G.](#), [Lazarus D.](#), [Struck U.](#), [Asatryan G.](#), [Renaudie J.](#), [Özen V.](#), Paleogene Polar Plankton and export productivity changes between the Eocene and Oligocene.

Posters (presenting)

- 2022 12th meeting on Climatic and Biotic Events of the Paleogene in Bremen, Germany: [Asatryan G.](#), [Renaudie J.](#), [Lazarus D.](#), New studies of Eocene-Oligocene Southern Ocean radiolaria
Interrad 16th Meeting in Ljubljana, Slovenia: [Renaudie J.](#), [Anest N.](#), [Lazarus D.](#), The Lamont radiolarian and diatom slides collection; [Trubovitz S.](#), [Renaudie J.](#), [Lazarus D.](#), [Noble P.](#), New species of late Neogene Lophophaenidae (Nassellaria, Radiolaria) from the eastern equatorial Pacific; [Trubovitz S.](#), [Lazarus D.](#), [Renaudie J.](#), [Noble P.](#), Radiolarians show threshold extinction response to late Neogene climate change.
14th International Congress on Paleooceanography in Bergen, Norway: [Rodrigues de Faria G.](#), [Özen V.](#), [Struck U.](#), [Stammeier J.](#), [Renaudie J.](#), [Lazarus D.](#), Late Eocene export productivity event in the Southern Ocean.
- 2021 AGU Fall Meeting online: [Özen V.](#), [Rodrigues de Faria G.](#), [Renaudie J.](#), [Lazarus D.](#), Diversity Dynamics of Marine Diatoms Across the Eocene–Oligocene Transition.
- 2020 Ocean Sciences meeting in San Diego, USA: [Trubovitz S.](#), [Lazarus D.](#), [Renaudie J.](#), [Noble P.](#), Radiolarians exhibit a threshold response to climate change during the late Neogene.
TMS General Meeting online: [Özen V.](#), [Rodrigues de Faria G.](#), [Renaudie J.](#), [Lazarus D.](#), Southern Ocean diatom diversity at the Eocene-Oligocene transition; [Rodrigues de Faria G.](#), [Renaudie J.](#), [Struck U.](#), [Lazarus D.](#), Southern Ocean productivity across the Eocene-Oligocene boundary.

- 2019 EGU general meeting in Vienna, Austria: Asatryan G., Lazarus D., Renaudie J., The preliminary studies of plankton in the framework of the project “Paleogene Polar Plankton and Paleoproductivity”.
- NAPC in Riverside, USA: Trubovitz S., Lazarus D., Renaudie J., Noble P., New census of radiolarian communities in the Eastern Equatorial Pacific reveals unprecedented biodiversity throughout the Late Neogene.
- Society of Vertebrate Paleontologists (SVP) Annual Meeting in Brisbane, Australia: Jansen M., Buchwitz M., Renaudie J., Voigt S., Reconstruction of an ancestral amniote trackmaker based on trackway data, trackmaker correlation and phylogeny.
- Paläontologisches Gesellschaft General Meeting in Munich, Germany: Özen V., Rodrigues de Faria G., Asatryan G., Renaudie J., Lazarus D., Investigating the role of Southern Ocean phytoplankton in the end Eocene climatic events.
- 2018 TMS Annual meeting in Leeds, UK: Asatryan G., Lazarus D., Renaudie J., Paleogene polar phytoplankton and oceanic carbon sequestration; Renaudie J., Drews E.-L., Böhne S., The Paleocene fossil record of marine planktonic diatoms in deep-sea sediments; Renaudie J., Gray, R., Lazarus D., Testing the accuracy of the MobileNet convolutional neural network to identify closely-related radiolarian species based on a sparse dataset.
- 25th International Diatom Symposium in Berlin, Germany: Renaudie J., Lazarus D., Macroevolutionary patterns in Cenozoic marine diatoms from deep-sea sediments, and their relationship with climate and marine geochemical cycles.
- 2017 Kolloquium der DFG-Schwerpunkte ICDP/IODP in Braunschweig, Germany: Renaudie J., Fontorbe G., Drews E.-F., Böhne S., Lazarus D., Constraining the history of the Cenozoic marine silicon cycle with siliceous microfossils.
- Evolution 2017 in Portland, Oregon: Renaudie J., Lazarus D., Diver P., The NSB (Neptune) marine microfossil occurrences database.
- 2016 Kolloquium der DFG-Schwerpunkte ICDP/IODP in Heidelberg, Germany: Renaudie J., Siliceous microfossils and the Cenozoic marine carbon and silicon cycles ; Renaudie J., Diver P., Lazarus D., NSB and ADP: a new, expanded and improved software system for marine planktonic microfossil and geochronologic data; Wiese R., Renaudie J., Lazarus D., Can genera be used as proxies for species in studies of biodiversity-climate sensitivity? A test using Cenozoic marine diatoms.
- International Conference on Paleooceanography in Utrecht, Netherlands: Renaudie J., Quantifying the Cenozoic marine diatom record; Renaudie J., Lazarus D., Diver P., Expanding the NSB database for paleoceanographical research.
- 2015 Kolloquium der DFG-Schwerpunkte ICDP/IODP in Bonn, Germany: Renaudie J., Diatoms and the Cenozoic Si and C cycles.
- GSA annual meeting in Baltimore, USA: Renaudie J., Diver P., Lazarus D., NSB: a new, expanded and improved database of marine planktonic microfossil data.
- 2014 Kolloquium der DFG-Schwerpunkte ICDP/IODP in Erlangen, Germany: Renaudie J., Lazarus D.B., A quantitative review of Cenozoic diatom deposition history.
- EGU general meeting in Vienna, Austria: Lazarus D.B., Renaudie J., Diversity history of Cenozoic marine siliceous plankton.
- 2013 Kolloquium der DFG-Schwerpunkte ICDP/IODP in Freiberg, Germany: Renaudie J., Lazarus D.B., Toward an high-resolution stratigraphy for Antarctic Neogene radiolarians.
- 2012 Kolloquium der DFG-Schwerpunkte ICDP/IODP in Kiel, Germany: Renaudie J., Lazarus D.B., Macroevolutionary patterns in Antarctic Neogene radiolarians.
- InterRad 13th meeting in Cadiz, Spain: Renaudie J., Lazarus D.B., Advances in Antarctic Neogene radiolarian high-resolution stratigraphy; Lazarus D.B., Renaudie J., Taxonomic documentation of Southern Ocean Neogene radiolarians.
- TMS annual meeting in Nottingham, UK: Renaudie J., Lazarus D.B., Macroevolutionary patterns in Antarctic Neogene radiolarians.
- 2011 Kolloquium der DFG-Schwerpunkte ICDP/IODP in Münster, Germany: Renaudie J., Lazarus D.B., Paleodiversity reconstructions in Antarctic Neogene radiolarians
- 2010 Kolloquium der DFG-Schwerpunkte ICDP/IODP in Frankfurt, Germany: Renaudie J., Lazarus D.B., Weinkauff M., Marine micropaleontology, round two: whole faunal surveys and their use in biostratigraphy and macroevolutionary research.
- Third International Paleontological Congress in London, UK: Renaudie J., Lazarus D.B., Macroevolutionary patterns in Antarctic Neogene radiolarians.

- 2009 Kolloquium der DFG-Schwerpunkte ICDP/IODP in Potsdam, Germany: Lazarus D.B., Renaudie J.,
Synthesis and analysis of Antarctic Neogene Radiolaria.
InterRad 12th meeting in Nanjing, China: Lazarus D.B., Renaudie J., Synthesis on Antarctic
Neogene Radiolaria: preliminary results.
- 2007 Paleontological Association 51st Annual Meeting in Uppsala, Sweden: Renaudie J., Danelian T.,
Saint-Martin S., The siliceous plankton response of the equatorial Atlantic to the Middle Eocene
Climatic Optimum event (ODP Site 1260, Demerara Rise, off Surinam).
- 2006 Paleontological Association 50th Annual Meeting in Sheffield, UK: Danelian T., Renaudie J.,
Blanc-Valleron M.-M., The radiolarian record of the equatorial Atlantic during the
Paleocene/Eocene Thermal Maximum event.