

Appointments	<p><b>Postdoctoral Research Associate in Planetary Atmospheres</b> University of Oxford, Department of Physics, Oxford, UK (2023–)</p> <p><b>Brownlee Junior Research Fellow</b> Linacre College, Oxford, UK (2023–)</p> <p><b>Research Assistant</b></p> <ul style="list-style-type: none"><li>Freie Universität Berlin, Department of Geochemistry, Berlin, DE (2019)</li></ul> <p><b>Undergraduate Research Assistant</b> McGill University, Department of Natural Resource Sciences, Montréal, CA (2015 field season)</p>
Qualifications	<p><b>Doctor of Philosophy in Earth Sciences</b> University of Cambridge, Cambridge, UK (2019–2023)</p> <ul style="list-style-type: none"><li><i>supervisors:</i> Dr. Oliver Shorttle &amp; Dr. John Rudge</li><li><i>thesis title:</i> Inside-out diversity of rocky planets</li></ul> <p><b>Master of Science in Earth &amp; Planetary Science</b> McGill University, Montréal, CA (2016–2018)</p> <ul style="list-style-type: none"><li><i>supervisor:</i> Dr. Nicolas Cowan</li><li><i>thesis title:</i> The direct imaging search for Earth 2.0</li></ul> <p><b>Bachelor of Science, Honours in Earth System Science</b> with Minor Concentration English Literature McGill University, Montréal, CA (2011–2015)</p> <ul style="list-style-type: none"><li><i>supervisor:</i> Dr. Boswell Wing</li><li><i>thesis title:</i> Controls on sulfur isotope fractionation in deep sea pore water</li></ul>
Research grants (PI)	<ul style="list-style-type: none"><li>“Oxoplanets: Interdisciplinary planetary research at Oxford“, John Fell Fund, Oxford University Press (2024–2026)</li></ul>
Selected awards	<ul style="list-style-type: none"><li>Harding Distinguished Postgraduate Research Scholarship, Cambridge Trust</li><li>Alexander Graham Bell Canada Graduate Scholarship - Doctoral, Natural Sciences and Engineering Research Council of Canada (NSERC), <i>declined</i></li><li>Postgraduate Scholarship - Doctoral, NSERC</li><li>Canada Graduate Scholarship - Master's, NSERC</li></ul>
Publications	<p><u>Invited review articles</u></p> <p><b>Guimond, C. M.</b>, Wang, H., Seidler, F., Sossi, P., Mahajan, A., Shorttle, O. (2024). From stars to diverse mantles, melts, crusts, and atmospheres of rocky planets. <i>Reviews in Mineralogy and Geochemistry</i>, 90, 1.</p> <p><u>Peer-reviewed</u></p> <p><b>Guimond, C. M.</b>, Shorttle, O., Rudge, John F. (2023). A mineralogical reason why all exoplanets cannot be equally oxidising. <i>Monthly Notices of the Royal Astronomical Society</i>, 525, 3.</p> <p><b>Guimond, C. M.</b>, Shorttle, O., Rudge, John F. (2023). Mantle mineralogical limits to rocky planet water inventories. <i>Monthly Notices of the Royal Astronomical Society</i>, 521, 2.</p> <p><b>Guimond, C. M.</b>, Rudge, John F., Shorttle, O. (2022). Blue marble, stagnant lid: Could dynamic topography avert a waterworld? <i>The Planetary Science Journal</i>, 3, 66.</p>

- Guimond, C. M., Noack, L., Ortenzi, G., Sohl, F. (2021). Low volcanic outgassing rates for a stagnant lid Archean earth with graphite-saturated magmas. *Physics of the Earth and Planetary Interiors*, 320.
- Ortenzi, G., Noack, L., Sohl, F., **Guimond, C. M.**, Grenfell, J. L., Dorn, C., Schmidt, J. S., Vulpius, S., Katyal, N., Kitzmann, D., Rauer, H. (2020). Mantle redox state drives outgassing chemistry and atmospheric composition of rocky planets. *Scientific Reports*, 10.
- Guimond, C. M.** & Cowan, N. B. (2019). Three direct imaging epochs could constrain the orbit of Earth 2.0 inside the habitable zone. *The Astronomical Journal*, 157, 5.
- Guimond, C. M.** & Cowan, N. B. (2018). The direct imaging search for Earth 2.0: Quantifying biases and planetary false positives. *The Astronomical Journal*, 155, 230.

## Invited talks & seminars

- Geophysical Fluid Dynamics seminar, **ETH Zurich**, CH (2024)
- Astrophysics seminar, **University of Exeter**, UK (2024)
- Geophysics colloquium, **University College London**, UK (2024)
- Geoscience of Exoplanets meeting, **International Space Science Institute**, CH (2024)
- Planetary exploration seminar, **Birkbeck University of London**, UK (2023)
- Invited talk, **American Geophysical Union Fall Meeting**, USA (2022)
- CLEVER Planets Seminar Series, **Rice University**, USA (2022)

## Teaching experience

- **Supervisor** in Quantitative Environmental Science (2nd-year undergraduates), University of Cambridge, UK (2022–2023)
- **Demonstrator** in Earth Sciences, University of Cambridge, UK (2019–2023)
- **Teaching Assistant** in Earth & Planetary Sciences, McGill University (2016–2018)

## Outreach

### Public talks

- “Bare rocks are also good”, **Oxford Space Night**, Oxford, UK (2024)
- “How to image Earth 2.0,” **Astronomy on Tap**, Montréal, CA (2018)

### Volunteer positions

- **Outreach volunteer**, Sedgwick Museum and Fitzwilliam Museum, Cambridge, UK (2019–2023)

## Selected service

**Peer reviewer:** Earth & Planetary Science Letters, Icarus

**Social Officer**, Harding Postgraduate Scholarship Programme (2022–2023)

- Responsible for organising large (100-person) social events, including formal College dinners and a residential trip.