

CURRICULUM VITAE

Bram de Winter

PhD Student
University of Oxford

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Education

University of Oxford	Oxford, UK	PhD/DPhil. Earth Sciences (present)
VU Amsterdam	Amsterdam, Netherlands	MSc, <i>Cum laude</i> . Geology & Geochemistry (2022)
VU Amsterdam	Amsterdam, Netherlands	BSc. Earth Sciences (2019)

Awards

2022 – 2026	Oxford-Radcliffe Scholarship, University College, Oxford
2024	Royal Astronomical Society - Small Travel Grant
2024	University College Graduate Conference and Academic Travel award.
2024	ESA Academy Scholarship to attend International Astronautical Conference 2024
2023	European Space Leader Award 2023, Space Generation Advisory Council
2023	NASA InsightSeer (Science meeting observer) - Funded by UKSPACE

(Voluntary) Positions

2025 – present	Postgraduate representative teaching committee, Department of Earth Science
2023 – 2025	European Regional Coordinator in Executive Committee, SGAC
2022 – 2025	Founder of Oxford Space Networking Drinks and Oxford Space Network
2021 – 2023	Co-Lead Space Exploration Project Group, SGAC
2021 – present	Founder of ACHIEVED Academy and Mission Design Competition
2019 – 2020	Semi-professional Volleyball Player in the Highest Dutch Volleyball League

Conference papers

1. **B De Winter** and X Liu T Elliot A Walker, E Melekhova, Calibrating mg isotope signatures for magma ocean evolution: A combined experimental and computational approach, in *Goldschmidt 2025 Conference* (2025).
2. **B De Winter** and X Liu T Elliot A Walker, E Melekhova, Isotopic hide-and-seek in the deep mantle, unveiling magnesium and silicon isotope fractionation in magma oceans to constrain primitive mantle heterogeneity, in *AGU 2024* (2024).
3. **B De Winter** and A Walker, Using first-principles molecular dynamics to predict si and mg isotope fractionation between silicate melts and mantle minerals., in *AGU 2024* (2024).
4. I Nikogosian CJ De Hoog A Gartner JJ Bracco G Davies N Luciani, **B De Winter** and JM Koornneef, Investigating combined arc and oib signatures at a post-collisional subduction setting by geochemical and boron isotope analyses of melt inclusions from vulture, italy, in *Goldschmidt 2022 Conference* (2022).

Publications

1. **B De Winter** and X Liu T Elliot A Walker, E Melekhova, The magnitude of equilibrium isotope fractionation of mg between forsterite, diopside and melt at liquidus temperatures., *Geochimica et Cosmochimica Acta* (Submitted).
2. I Nikogosian CJ De Hoog A Gartner JJ Bracco G Davies N Luciani, **B De Winter** and JM Koornneef, Constraining the multiple mantle sources beneath vulture (italy) from geochemistry and boron isotopes of melt inclusions, PhD Thesis: Investigating melt inclusions: insights into elemental recycling and boron isotopic signature from the Italian post-collisional setting (2024).

Extracurricular activities

1. Teaching:
 - Demonstrator University of Oxford, Earth Sciences - 1th year Mineralogy, 3th year Magmatic Systems and 3th year Fieldwork Spain
 - Stand-in high school teacher for Geography and Chemistry while studying for an MSc Degree.
2. Research community engagement
 - Organiser of seminars and research group meetings, Experimental Petrology research group at the University of Oxford.
 - Fellow of the Royal Astronomical Society,
 - Member of Next Generation of Lunar Scientists & Engineers
3. Outreach & public engagement
 - Earth Science Department Outreach activities that include: Open Day, School visits and Science Fairs
 - Mentor for undergraduate Planetary science students globally through the SGAC Mentorship Program
4. Leadership & Volunteer service
 - Volunteer at Space Generation Advisory Council (SGAC) since 2020. The Space Generation Advisory Council (SGAC) is a global non-profit network that represents students and young professionals in space-related fields to the United Nations, space agencies, industry, and academia. It provides a platform for the next generation of space leaders to connect, collaborate, and contribute ideas to shape the future of space exploration and policy.
 - Executive Committee - Regional Coordinator Europe (2023 - 2025)
 - Space Exploration Project Group Co-Lead (2021 - 2023)
 - National Point of Contact Netherlands (2021 - 2023)
 - Founder ACHIEVED Academy, free space engineering courses for 100 students every year with experts from NASA, ESA, Airbus, JAXA, and more
5. Sport Achievements
 - Winner Dutch National Championship Beach volleyball -14 (2010), -16 (2011), -16 (2012), and -18 (2014).
 - Six years of semi-professional volleyball in the Netherlands' second league, plus one year in the top professional league.
 - Captain Blues Volleyball Team, University of Oxford. Half-Blue Athlete