Curriculum vitae with Track record

PERSONAL INFORMATION

Zetter, Scarlett

Date of birth: 02.06.1994

Nationality: British

Researcher unique identifier: orcid.org/0000-0002-4712-0005

Website: researchgate.net/profile/Scarlett-Zetter

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EDUCATION

2025 (Expected submission March 31st)	PhD – Effects of climate change and anthropogenic activities on Late Pleistocene and Holocene plant and animal communities using sedimentary ancient DNA. Arctic University Museum of Norway, Arctic University of Norway (UiT), Norway: Prof Inger Alsos
2018	Master – Effects of simulated long-term climate change on calcareous grassland species at Buxton Climate Change Impacts Lab. Department of Life Sciences, University of Liverpool, England

CURRENT AND PREVIOUS POSITIONS

2017-2019	Research Technician – The velocity of evolutionary responses of Lepidopteran species to ecological change: a comparison of historic and contemporary alleles. Department of Life Sciences, University of Liverpool, England
2014-2019	Volunteer Ecologist – Licenced species surveys, capture, mark and release, and habitat restoration. Lancashire Wildlife Trust, The Wildlife Trust, England

SUPERVISION OF GRADUATE STUDENTS

2017-2019	2x Master Students, 1x PhD student – Supervising these students on their laboratory component Department of Life Sciences, University of Liverpool, England

TEACHING ACTIVITIES

2023/2024	Student teacher – DNA Metabarcoding, Data Processing and Interpretation Arctic University Museum of Norway, Arctic University of Norway (UiT), Norway
2019-2024	Student teacher – Wet lab techniques Arctic University Museum of Norway, Arctic University of Norway (UiT), Norway
2017-2019	Technical staff teacher – Wet lab techniques

Department of Life Sciences, University of Liverpool, England

ORGANISATION OF SCIENTIFIC MEETINGS

2024 Organising committee for "Wind in their Sails: Leaders in Ocean Spaces" seminar and panel discussion
Arctic Frontiers Conference 2024, Norway
52 people attended

INSITITUTIONAL RESPONSIBILITIES

2020-2021 Deputy Research Committee member
Arctic University of Norway (UiT), Norway

COMISSIONS OF TRUST

2025 Board member of SedaDNA (sedimentary ancient DNA) Society

2024-2025 Board Member of APECS Norway

2023-2024 Council Chair of APECS (Association of Polar Early Career Scientists)

2020-2021 Reviewer of IPCC Sixth Assessment Report, Chapter 2: Terrestrial and Freshwater Ecosystems and Their Services

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

2020-2025 SedaDNA (Sedimentary Ancient DNA) Society member

2019-2025 APECS (Association of Polar Early Career Scientists) member

2019-2025 QRA (Quaternary Research Association) member

FIELDWORK EQUIPMENT COMPETENCIES

UWITEC gravity corer from a floating UWITEC platform

Multi-sampler, ice auger and ice saw to core from the ice surface

Multi-corer from boat

Portable XRF

Manual Driver's licence

LANGUAGE SKILLS

English (Fluent) Norwegian (B1) Welsh (B1)

TRACK RECORD

Publications

Zetter, S., Garcés-Pastor, S., Lammers, Y., Brown, A. G., Walsh, K., Goslar, T., Lavergne, S., Coissac, E., Consortium, P., Tribsch, A., Heintzman, P. D., & Greve Alsos, I. G. (2025). SedaDNA shows that transhumance of domestic herbivores has enhanced plant diversity over the Holocene in the Eastern European Alps. The Holocene, 0(0). https://doi.org/10.1177/09596836241307304 – 1 citation

Garcés-Pastor, s., Heintzman, P. D., **Zetter, S,** Lammers, Y., Yoccoz, N. G., Theurillat, J-P., Schwörer, C., Tribsch, A., Walsh, K., Vannière, B., Wangensteen, O. S., Heiri, O., Coissac, E., Lavergne, S., van Vugt, L., Rey, F., Giguet-Covex, C., Ficetola, G. F., Karger, D. N., Pellissier, L., Schabetsberger, R., Haas, J. N., Strasser, M., Koinig, K., Goslar, T., Szidat, S., PhyloAlps Consortium, Brown, A. G., Tinner, W., Alsos, I. G. (In press), Wild and domesticated animal abundance is associated with greater late-Holocene alpine plant diversity. Nature Communications.

Zetter, S., Lammers, Y., Deppe, L., Francis, C., Abrook, A., Engels, S., Hoek, W., Matthews, I., Brown, A. G., Palmer, A., Alsos, I. G. (In prep) Flora and fauna at the British ice margin 19 millennia ago as inferred from sedimentary ancient DNA.

Zetter, S., Garcés-Pastor, Lammers, Y., S., Alsos, I. G., Heintzman, P. D (In prep) Mammalian sedimentary ancient DNA resolution enhanced using novel primers and dual-blocking strategy, including large-scale bycatch exploration

Conferences

2nd SedaDNA Society Conference 2025 **Poster** – Tracing abrupt climate changes: SedaDNA reveals impact of sudden climate change on plant communities in Great Britain since the Last Glacial Maximum. **Zetter, S**., Lammers, Y., Deppe, L., Francis, C., Abrook, A., Engels, S., Hoek, W., Matthews, I., Brown, A. G., Palmer, A., Alsos, I. G

AGU 2024 **Presentation** - SedaDNA shows that transhumance of domestic herbivores has enhanced plant diversity over the Holocene in the Eastern European Alps. **Zetter, S.,** Garcés-Pastor, S., Lammers, Y., Brown, A. G., Walsh, K., Goslar, T., Lavergne, S., Coissac, E., Consortium, P., Tribsch, A., Heintzman, P. D., & Greve Alsos, I. G.

EGU 2021 **Presentation** - Holocene reconstruction of plant communities from a lake in the Austrian Alps. **Zetter, S.,** Garcés-Pastor, S., Lammers, Y., Brown, A. G., Walsh, K., Goslar, T., Lavergne, S., Coissac, E., Consortium, P., Tribsch, A., Heintzman, P. D., & Greve Alsos, I. G.

REFEREES

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