Taylor Frederick Nelson

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Employment

Group Leader (Academic Council with limited contract) — Sept 2024–present
Postdoctoral Researcher (Stipend from Alexander von Humboldt Foundation) — April 2022–Sept 2024
University of Konstanz (DE), Department of Chemistry

Postdoctoral Researcher — July 2020–March 2022
Woods Hole Oceanographic Institution (USA), Department of Marine Chemistry & Geochemistry

Scientific Assistant (Ph.D. student) — Aug 2015–Dec 2019
ETH Zürich (CH), Department of Environmental Systems Science

Scientific Assistant (B.A. student) — May 2013–May 2014
Whitman College (USA), Department of Chemistry

Education

Dr. Sc. Environmental Chemistry — Aug 2015–June 2020
ETH Zürich (CH), Department of Environmental Systems Science

M. Sc. Environmental Science and Engineering — Sept 2014–June 2015
Stanford University (USA), Department of Civil and Environmental Engineering

B. A. Chemistry (*cum laude*, Honors) — Sept 2010–May 2014
Whitman College (USA), Department of Chemistry

Funding Acquisition

Young Scholar Fund Program — June 2026–Oct 2026
University of Konstanz, Committee on Research

- Project title: "Elucidating microbial carbon partitioning in soils with position-specific ^{13}C labelling" (Awarded amount: 9,525 €)

Postdoctoral Fellowship, Alexander von Humboldt Foundation — Sept 2022–Sept 2024
Hosted at University of Konstanz

- Project title: "Elucidation of the environmental degradation of crystalline polyethylene-like polymers using isotope labelling" (Awarded amount: 83,280 €)

U.S. N.S.F. Project Award Nr. 2202621 — June 2022–June 2025
Woods Hole Oceanographic Institution, co-PI Collin Ward

- Project title: "Assessing the controls of plastic photochemical reactivity in the surface ocean" (Awarded amount: $ 449,385)

Teaching Experience

Lecturer: "Environmental Organic Chemistry" — Oct 2026–present
University of Konstanz (DE), Department of Chemistry

Lecturer: "Polymer Synthesis and Materials Properties" — April 2025–present
University of Konstanz (DE), Department of Chemistry

Instructor: “Laboratory Course: Elementary Chemical Techniques” Jan 2016–Jan 2019
ETH Zürich (CH), Department of Environmental Systems Science

Supervising Experience

University of Konstanz (DE), Department of Chemistry 2022–present
- Main supervisor of 3 M. Sc. Thesis projects
- Main supervisor of 3 B. Sc. Thesis projects
- Main supervisor of 5 student research assistants

Woods Hole Oceanographic Institution (USA), Dept. of Marine Chemistry & Geochemistry 2020–2022
- Main supervisor of 1 student research assistant

(limited supervision capacity due to COVID-19)

ETH Zürich (CH), Department of Environmental Systems Science 2015–2019
- Main supervisor of 2 M. Sc. Thesis projects
- Main supervisor of 1 student research assistant

Didactic and Professional Training

Hochschuldidaktikzentrum Baden-Württemberg
Workshop: “Taming the Content Monster – How to Manage Content Coverage and Make Space for Student Learning in Our Courses” March 2026
Workshop: “Ready, Set, Teach - Fit for Teaching: Introduction to Teaching and Learning at University Level” Feb–Aug 2025

University of Konstanz Academic Staff Development
Workshop: “Successful Leadership in Academia” March 2025
Workshop: “Project Management for Postdocs” Feb 2025

Academic Service

Co-Organizer: “Conference on Polymers by European Early-career Researchers (PEERs)”, July 2027

Member of Local Organizing Committee: GDCh “Makro” in Sept 2026 (German Chemical Society Division of Macromolecular Chemistry Biennial Meeting)

Reviewer: *Environ. Sci. Technol.; ACS Earth Space Chem.; Anal. Chem.; Chemosphere; Polym. Degrad. Stab.*

Languages

English	Native
German	B1; actively learning