

DR. JULIA C. REISENBAUER

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PROFESSIONAL EXPERIENCE AND EDUCATION

- Feb 2026 – Assistant Professor, **Institute of Science and Technology Austria (ISTA)**
- Sep 2023 – Sep 2025 **California Institute of Technology**, Pasadena, California, United States
SNSF PostDoc.Mobility fellow with **Prof. Frances H. Arnold**, CCE
- Jun 2023 – Jul 2023 **Eidgenössische Technische Hochschule (ETH)**, Zurich, Switzerland
Innosuisse-funded postdoctoral researcher with **Prof. Bill Morandi** and Spirochem, D-CHAB
- Apr 2019 – May 2023 **Eidgenössische Technische Hochschule (ETH)**, Zurich, Switzerland
PhD with **Prof. Bill Morandi**, D-CHAB
Funded by **SSCI** (Scholarship of the Swiss Chemical Industry)
- Sep 2018 – Feb 2019 **Eidgenössische Technische Hochschule (ETH)**, Zurich, Switzerland
Master's Thesis with **Prof. Erick M. Carreira**
- Sep 2017 – Feb 2019 **Eidgenössische Technische Hochschule (ETH)**, Zurich, Switzerland
Master of Science in Chemistry
Semester research project at the **Max-Planck Institute in Mülheim an der Ruhr (KOFO)**, Germany with **Prof. Bill Morandi**
- Sep 2014 – Sep 2017 **Eidgenössische Technische Hochschule**, Zurich, Switzerland
Bachelor of Science in Chemistry
Semester research project with **Prof. Donald Hilvert**

TEACHING ACTIVITIES

- Oct 2022 **Guest Lecturer**, Lecture series: *"Transition Metal Catalysis: From Mechanisms to Catalysis"*, ETH, Zurich
- Sep 2021 – Dec 2021 **Teaching Assistant** for Praktikum Organische Chemie, ETH, Zurich
Supervision of undergraduate lab courses for Chemistry, Chemical Engineering, Biology, and Pharmaceutical sciences students
Instructors: Prof. Carlo Thilgen and Prof. Yoko Yamakoshi
- Feb 2020 – Aug 2021 **Teaching Assistant** for *"Organic Chemistry II"*, ETH, Zurich
Instructor: Prof. Bill Morandi
- Jul 2020 **Instructor** for an exam preparation course for an advanced organic chemistry class
Bachelor level
- Sep 2019 – Jan 2020 **Teaching Assistant** for *"Organic Chemistry VIII"*, ETH, Zurich
Instructor: Prof. Bill Morandi

OUTREACH ACTIVITIES

- Dec 2023 **Podcast with host Matthew Horwitz in Synthesis Workshop Advanced Organic Chemistry Course.** Reversible Reactions in Catalysis and Synthesis. <https://www.youtube.com/watch?v=6DLUrPOkbHU>.
- Jan 2023 **Podcast with host Matthew Horwitz in Synthesis Workshop.** Diversification of Indole Skeletons through Nitrogen Atom Insertion. <https://www.youtube.com/watch?v=CMm-WJ1nolo>.
- Nov 2022 **Participation and organization of chemical experiments at the Zukunftstag 2022** at ETH Zürich.
- Aug 2021 – Sep 2022 **International Chemistry Olympiad (IChO) 2023** – Preparation of practical organic chemistry exam and preparation examples

CONTRIBUTIONS TO NATIONAL AND INTERNATIONAL CONFERENCES

- Jul 2025 Selected talk at 17th International **Symposium on Biocatalysis and Biotransformations (BIOTRANS2025)** in Basel, **Switzerland**
- Mar 2025 Invited talk at the **Institute of Supramolecular Sciences and Engineering**, Strasbourg, **France**

Dec 2024	Lecture series in Switzerland – Prix Schläfli tour. Invited talks at EPFL, ETHZ, University of Zurich, University of Basel, University of Fribourg, and University of Geneva
Dec 2024	Invited talk at the Max-Planck Institute für Kohlenforschung , Mülheim an der Ruhr, Germany
Oct 2024	Annual Catalysis Innovation Consortium (CIC) meeting , Atlanta, United States – poster and oral presentation
Aug 2024	Invited talk at Institute of Science and Technology Austria , Klosterneuburg, Austria
Mar 2023	ACS Spring 2023 , Indianapolis, United States – oral presentation in plenary lecture “Novel approach to skeletal editing and scaffold hopping” entitled “Skeletal editing through nitrogen atom insertion”
Nov 2022	Roadshow at Janssen , Schaffhausen, Switzerland – oral presentation: Late-stage diversification of indole skeletons through nitrogen atom insertions
Aug 2022	139th BASF International Summer Course , Ludwigshafen, Germany – poster presentation: Late-stage diversification of indole skeletons through nitrogen atom insertion
Jun 2022	22nd Tetrahedron Symposium , Lisbon, Portugal – poster presentation: Shuttle catalysis enabled transfer hydrocyanation: a mechanistic investigation
Sep 2021	Swiss Summer School 2021 : Catalysis and Sustainable Chemistry, Les Diablerets, Switzerland – poster presentation: Shuttle catalysis enabled transfer hydrocyanation: a mechanistic investigation (best poster prize)
Jan 2021	Symposium of the Scholar Fund of the Swiss Chemical Industry (SSCI) , ETH Zurich, Switzerland – oral presentation: Recent developments in the nickel-catalyzed transfer hydrocyanation reaction
Jun 2019	ETH Zurich D-CHAB Department Evaluation , ETH Zurich, Switzerland – poster presentation: Transfer hydrocyanation enabled by shuttle catalysis

AWARDS AND FELLOWSHIPS

Jul 2025	Best oral communication prize at BIOTRANS2025, Basel (Switzerland)
Jun 2024	ETH medal – awarded for an outstanding PhD thesis
Apr 2024	Prix Schläfli Award for Chemistry 2024 – awarded for the best dissertation in Chemistry in Switzerland 2024 by Swiss Academy of Sciences (SCNAT)
Sep 2023 – Aug 2025	SNSF PostDoc Mobility fellowship – funding period of 2 years to conduct postdoctoral studies in the group of Prof. Frances H. Arnold at Caltech
Apr 2019 – Mar 2022	Scholarship Fund of the Swiss Chemical Industry (SSCI) – merit-based scholarship for a funding period of 3 years to conduct doctoral research
Sep 2021	Best poster award at Swiss Summer School “Catalysis and Sustainable Chemistry”

REVIEWING ACTIVITIES

Reviewer for Nature Synthesis, Organic Chemistry Frontiers, SYNTHESIS, JACS, Tetrahedron

LIST OF SELECTED PUBLICATIONS

- [5] **Reisenbauer, J. C.**[§]; Sicinski, K. M.[§]; Arnold, F. H.; “Catalyzing the future: recent advances in chemical synthesis using enzymes” *Curr Opin Chem Biol* **2024**, 83, 102536.
- [4] **Reisenbauer, J. C.**; Finkelstein, P.; Ebert, M.-O.; Morandi, B.; “Mechanistic investigations of the nickel-catalyzed transfer hydrocyanation of alkynes” *ACS Catal.* **2023**, 13, 11548–11555. (highlighted in Synfacts)
- [3] Finkelstein, P.; **Reisenbauer, J. C.**; Botlik B.; Green, O.; Florin, A.; Morandi, B.; “Nitrogen atom insertion into indenenes to access isoquinolines” *Chem. Sci.*, **2023**, 14, 2954–2959. (featured in chemistry world)
- [2] **Reisenbauer, J. C.**[§]; Green, O.[§]; Franchino, A.; Finkelstein, P.; Morandi, B.; “Late-stage diversification of indole skeletons through nitrogen atom insertion” *Science* **2022**, 377, 1104–1109. (featured in the Guardian, chemistry world, C&EN news, ETH News, Nature News Feature)
- [1] Bhawal, B. N.; **Reisenbauer, J. C.**; Ehinger, C.; Morandi, B.; „Overcoming selectivity issues in reversible catalysis: a transfer hydrocyanation exhibiting high kinetic control” *J. Am. Chem. Soc.* **2020**, 142, 10914–10920.

[§]These authors contributed equally.