

Swiss Academy of Sciences Chemistry Seminar 2025

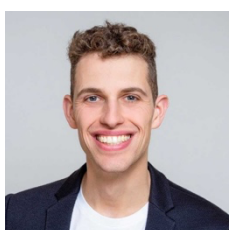
University of Basel: 21. January 2025 at 16:30, Department of Chemistry, St. Johannis-Ring 19, 4056 Basel, Small OC Lecture Hall

Followed by an Apéro

The Chemistry Seminars 2025 will be on the topic "**AI in research and publishing, with an emphasis on dos and don'ts, opportunities and pitfalls.**" The Chemistry Seminars will be held in January 2025 at various chemistry departments across Switzerland.

https://chem.scnat.ch/en/chemistry_seminar

Program: 15-20' presentations by each speaker, Q&A, discussions continued in the Apéro.



Dr. Kenneth Atz is an AI Scientist on the Computer-Aided Drug Design (CADD) team at the Roche Innovation Center Basel, where he works on the development of generative artificial intelligence (AI) methods and reaction prediction. Before assuming his current role, Kenneth received his doctorate from ETH Zürich, where he worked under the guidance of Prof. Gisbert Schneider. His PhD research was dedicated to the

development of geometric deep learning methods and language models for small-molecule drug discovery. Kenneth completed his undergraduate studies in Chemistry at the University of Basel.

He'll speak about the research side of AI in chemistry: what are the hurdles, challenges, and opportunities, and how can we as chemists address them? What are realistic expectations in the coming years?



Dr. David Peralta is Editor-in-Chief for Wiley-VCH/Chemistry Europe and he will speak about AI Tools For Scientific Writing and Publishing: Best Practices and Implications for Research Integrity.

He'll focus on AI and publishing. Using ChatGPT and a few new AI researcher tools as concrete examples, we'll uncover their pros and cons and present a way for anyone to evaluate if any AI tool they encounter is useful, legal, and alignment with responsible practices. We'll also have a broader look at how AI is changing the world of scientific publishing and its implications on scientific integrity in day-to-day research.