



Patrick Schimpl

MA. MSc.



Chem ○ Anthro ○ CS ○ Futures

Philipppovichgasse 2-4/2/16, 1190 Vienna ○ +43 699 11909500
patrick.schimpl@univie.ac.at ○ github.com/cosmopax

 "Bridging molecular precision and societal foresight to engineer desirable futures."



Highlight: Policy & Consultation

OECD - HQ

Paris

2025

Expert Consultant

Invited Expert for 'Responsible Innovation and Anticipatory Governance of Emerging Biotechnologies'. Advising on governance frameworks for SynBio/AI convergence.

Academic Leadership & Mentoring

BISC-E Competition (European Finals)

Europe

2025

Supervisor

Supervision of BOKU University Team (Bronze Medal).

iGEM Competition (Grand Jamboree)

Global

2024–Present

Judge

Evaluating global synthetic biology projects.

Ethnocineca

Vienna

2015–2018

Film Reviewer

Critical analysis of anthropological documentaries (Academic Program).

CHAGS XI

Vienna

2015

Organizing Team

Logistics/Coordination for Conference on Hunting and Gathering Societies.

Academic & Research Experience

University of Vienna

Lecturer & Scientific Research Affiliate

2021–Present

Depts: Organic Chemistry, Theoretical Bioinformatics, Inorganic Chemistry.

R&D Focus: Novel Pleiotropic Neurotherapeutics & Self-Driven Adaptive Lab Systems.

Methodology: Designing teleonomic, optimization-driven agential frameworks leveraging catalytic reticular matrices.

Recent Publications

Design and Synthesis of Novel Pleiotropic GABAergic agents.

2025

Status: Undisclosed pending patent application.

Holobiontic Earth - AI meets Biological Machines.

2024

Subtitle: A futures study on the convergence of natural and artificial realms. (ISBN 979-8333202765)

Awards & Strategic Achievements

Fundamental Milestone Award (Wilhelm Exner Lectures) - Total Synthesis of Pyochelin.

2023

Silver Medal (iGEM) - Biomanufacturing Sex Hormones.

2023

University Performance Scholarship - Merit-based Excellence Grant.

2023

State Chess Champion (Vienna) & National Bronze Medalist.

1996–1999

Strategic foresight.

Education

University of Vienna

MSc Chemistry (Highest Honors)

2023–2025

University of Vienna

MA Cultural & Social Anthropology

2019–2023

University of Graz

Certified Teacher

2024

Subjects: Chemistry, Biology, Informatics.

University of Vienna

BSc Chemistry

2020–2022

University of Vienna

BA Cultural & Social Anthropology

2009–2012

Civic Leadership & Non-Profit

Artificial Life Institute

Vienna

Founder & Director

2020–Present

Research in AI and Synthetic Biology for the greater good.

Wunderwelt

Vienna

Founder & Director

2016–Present

Promoting autonomous local structures.

Entrepreneurial & Corporate Experience

Cosmogenetic Biomass

Vienna

Founder

2007–2019

Automated cultivation systems.

Cosmogenetic Electrotech

Vienna

Founder

2007–2019

Specialized electronic devices.

Entrecote

Vienna

Founder

2007–2019

Modeling agency services.

WiSco International Freight

Vienna

Head of Customer Service

2004–2016

Logistics optimization.

Competencies

Hard Science: Organic Synthesis, Flow Chemistry, Metabolic Engineering, NMR, HPLC

Technology: Python, Agential Frameworks, Git, Automation Scripting

Languages: German (Native), English (Fluent), Spanish/French (Advanced)