



Patrick Schimpl^{MA. MSc.}

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github.com/cosmopax "Bridging molecular precision and societal foresight to

engineer desirable futures."



Highlight: Policy & Consultation

OECD - HQ

Expert Consultant

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

Paris
2025

Academic Leadership & Mentoring

BISC-E Competition (European Finals)

Supervisor

Supervision of BOKU University Team (Bronze Medal).

Europe
2025

iGEM Competition (Grand Jamboree)

Judge

Evaluating global synthetic biology projects.

Global
2024–Present

Ethnocineca

Film Reviewer

Critical analysis of anthropological documentaries (Academic Program).

Vienna
2015–2018

CHAGS XI

Organizing Team

Logistics/Coordination for Conference on Hunting and Gathering Societies.

Vienna
2015

Academic & Research Experience

University of Vienna

Lecturer & Scientific Research Affiliate

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.

2021–Present

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

Wilhelm Exner Lectures

Fundamental Milestone Award

Total Synthesis of Pyochelin.

Global
2023

iGEM <i>Silver Medal</i> Biomufacturing Sex Hormones.	Global 2023
University of Vienna <i>Performance Scholarship</i> Merit-based Excellence Grant.	Vienna 2023
ÖSB - Austrian Chess Federation <i>State Chess Champion (Vienna) & National Bronze Medalist</i> Strategic foresight.	Austria 1996–1999

Education

University of Vienna <i>MSc Chemistry (Highest Honors)</i> Specialisation: Organic Synthesis & Biological Systems.	2023–2025
University of Vienna <i>MA Cultural & Social Anthropology</i> Specialisation: Science and Technology Studies (STS).	2019–2023
University of Graz <i>Certified Teacher</i> Subjects: Chemistry, Biology, Informatics.	2024
University of Vienna <i>BSc Chemistry</i>	2020–2022
University of Vienna <i>BA Cultural & Social Anthropology</i>	2009–2012

Civic Leadership & Non-Profit

Artificial Life Institute <i>Founder & Director</i> Research in AI and Synthetic Biology for the greater good.	Vienna 2020–Present
Wunderwelt <i>Founder & Director</i> Promoting autonomous local structures.	Vienna 2016–Present

Entrepreneurial & Corporate Experience

Cosmogenetic Biomass <i>Founder</i> Automated cultivation systems.	Vienna 2007–2019
Cosmogenetic Electrotech <i>Founder</i> Specialized electronic devices.	Vienna 2007–2019
Entrecote <i>Founder</i> Modeling agency services.	Vienna 2007–2019
WiSco International Freight <i>Head of Customer Service</i> Logistics optimization.	Vienna 2004–2016

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)