



# Patrick Schimpl MA. MSc.

Chem o Anthro o CS o Futures Philippovichgasse 2-4/2/16, 1190

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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.

### Ethnocenea

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

### Wilhelm Exner Lectures

Global

2023

### Fundamental Milestone Award

Total Synthesis of Pyochelin.

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

## Education

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

## Civic Leadership & Non-Profit

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

## Entrepreneurial & Corporate Experience

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

## Competencies

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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)