

Christoph Meier

Gschwaderstrasse 15

+423 785 79 68

8610 Uster

meierc@ethz.ch

Switzerland

03.01.1993



ACADEMIC BACKGROUND

Interdisciplinary Sciences MSc with an emphasis in molecular biological and chemistry

ETH Zurich, Switzerland - Current GPA 5.4/6.0

09.2018 – 05.2021

Master's thesis in the Shoshan group at UZH Zurich

06.2020 - 12.2020

“Selection of novel peptides for lead detoxification by directed evolution”

- Construction of randomized protein libraries.
- Minimal Inhibitory Concentration studies.
- Survival Selection Screening.
- Organic synthesis of novel unnatural amino acid building blocks.
- Solid Phase Peptide Synthesis.
- *In vivo* and *in vitro* detoxification abilities of cyclic peptides.
- Physical characterization of peptide-metal complexes.

Semester project in the Piel group at ETH Zurich

01.2021 - 04.2021

“Expression and In Vitro Characterization of Radical SAM Enzymes.”

- Molecular Cloning.
- Recombinant Protein Expression.
- Protein Purification.
- Working in Anerobic Conditions.
- Mass Spectrometry

Interdisciplinary Sciences BSc with an emphasis in biological chemistry

ETH Zurich, Switzerland - GPA 5.2/6.0

09.2012 - 04.2018

Bachelorthesis in the Bode group at ETH Zurich

07.2017 - 02.2018

“Towards the Synthesis of Novel Elongation Monomers for Synthetic Fermentation”

- Organic synthesis of novel building blocks for synthetic fermentation.
- Synthetic fermentation.
- Crystallization.

Semester project in the Wennemer group at ETH Zurich

09.2016 - 03.2017

“Improving Cell Penetration and Cytotoxicity of Peptide-Based Platinum Nanoparticles by Guanidinium Proline Modification”

- Organic synthesis of unnatural amino acid building blocks.
- Solid Phase Peptide Synthesis.
- Nanoparticle formation and characterization.
- MTT assay.

Matura

Liechtensteinisches Gymnasium Vaduz, Liechtenstein – GPA 4.8/6.0

08.1999 - 07.2011

PROFESSIONAL BACKGROUND

Ivoclar Vivadent AG – Schaan Liechtenstein Internship

08.2011 - 04.2012

R&D self-adhesive resin cement, Product Quality Analysis, Development and monitoring of quality checks with regards to process scale-up.

SPORTS CAREER - SWIMMING

Professional Athlete since 2012

Olympic Games Rio 2016, Tokyo 2020

Liechtenstein Olympic Athletes Commission

PUBLICATIONS

Mohammed, T. A.; Meier, C. M.; Kalvoda, T.; Kalt, M. A.; Rulišek, L.; Shoshan, M. S. *Angew. Chem. Int. Ed.* **2021**, *60*, 12381-12385.

LANGUAGES

German	Mother tongue
English	Advanced (C1)
French	Intermediate (B1)
Italian	Basic (A1)

SKILLS

Microsoft Office	Advanced
C++	Basic
R Statistical Computing	Basic
Driving License	Cat. B

INTERESTS

Reading
Gaming
Traveling
Playing the piano