
Education

- 2023 – today **PhD candidate**, *Geophysics*,
Scripps Institution of Oceanography, UC San Diego, United States
- 2020 – 2023 **Master of Science**, *Geophysics*,
Ludwig-Maximilians-University & Technical University Munich, Germany
- 2016 – 2020 **Bachelor of Science**, *Earth Sciences*,
Ludwig-Maximilians-University & Technical University Munich, Germany
- 2007 – 2015 **German Higher Education Entrance Qualification (Abitur)**,
Staffelsee-Gymnasium Murnau, Germany

Master's thesis

- title *3D fully-coupled earthquake-tsunami modeling of the 2020 Mw 7.0 Samos earthquake*
- supervisors Prof. Dr. Alice-Agnes Gabriel, Dr. Thomas Ulrich, Sara Aniko Wirp

Bachelor's thesis

- title *Physics-based earthquake-tsunami modelling for North Iceland using supercomputing*
- supervisors Prof. Dr. Alice-Agnes Gabriel, Dr. Bo Li, Sara Aniko Wirp

Scholarships

- 2023 – 2024 **Regents Fellowship**, *UCSD*
- 2019 – 2023 **German National Scholarship**, *TUM*
- 2018 **Erasmus+ student exchange program**, *University of Bergen, Norway*

Conference contributions

- 2022 Kutschera, F., Gabriel, A.-A., Wirp, S. A., Li, B., Ulrich, T., Abril, C., Halldórsson, B.: Modeling potential earthquake-tsunami scenarios from earthquake rupture simulations on the Húsavík-Flatey Fault Zone, North Iceland. In Proceedings of the Northquake 2022 workshop, HAC 2022, ISBN 978-9935-405-70-8.
- 2022 Kutschera, F., Wirp, S. A., Li, B., Gabriel, A.-A., Halldórsson, B., and Abril, C.: Physics-based earthquake-tsunami modelling of the Húsavík-Flatey transform fault zone in North Iceland, EGU General Assembly 2022, Vienna, Austria, 23–27 May 2022, DOI:10.5194/egusphere-egu22-13387.

- 2021 Kutschera, F., Wirp, S. A., Li, B., Gabriel, A.-A., Halldórsson, B., Abril, C., and Rannabauer, L.: Linking dynamic earthquake rupture to tsunami modeling for the Húsavík-Flatey transform fault system in North Iceland, EGU GA 2021, 19–30 Apr 2021, DOI:10.5194/egusphere-egu21-15891.

Selected past employments

- 05/2023 – 08/2023 **EarthScope Consortium**,
Online
Teaching assistant
- 11/2021 – 05/2023 **Ludwig-Maximilians-University (LMU - Geophysics)**,
and Munich, Germany
10/2020 – 03/2021 Student assistant
- 02/2021 – 10/2021 **Allianz SE Reinsurance**,
Munich, Germany
Working student
- 07/2019 – 10/2019 **Karlsruhe Institute of Technology, Campus Alpin (IMK-IFU)**,
Garmisch-Partenkirchen, Germany
Student assistant