

Education

- 2015–2018 **Dr. rer. nat. Physics**, *Georg-August-University and Göttingen Graduate School for Neurosciences, Biophysics, and Molecular Biosciences (GGNB)*, Göttingen, Germany.
Advisor: Prof. Lucas Goerhing
Thesis: *Geophysical pattern formation of salt playa*
Grade: magna cum laude
- 2013–2015 **M.Sc. Physics**, *Georg-August-University and Max Planck Institute for Dynamics and Self-Organization (MPIDS)*, Göttingen, Germany.
Advisor: Prof. Eleni Katifori
Thesis: *Network analysis and hidden phenotypes in large biological datasets*
Grade: 1.1
- 2009–2013 **B.Sc. Physics**, *Georg-August-University and MPIDS*, Göttingen, Germany.
Advisor: Prof. Eleni Katifori
Thesis: *Framework for the computational analysis of vascular networks*
Grade 2.4
- 2009 **Matura**, *Realgymnasium Dreierschützengasse*, Graz, Austria.
Grade: 1.0

Additional qualifications

- 2019 **Leadership training**, *German Physical Society (DPG)*, Berlin, Germany.
Program: *Leading for tomorrow*
- 2018 **Project management**, *GGNB*, Göttingen, Germany.
Fundamentals and advanced project management

Employment

- since Apr 2021 **Postdoctoral researcher (Feb. 2022 – Jan 2024 Marie Curie Fellow)**, *TU Graz, Institute for Interactive Systems and Data Science*, Modeling and big data analytics focused on applications in computational social science and digital health.
Graz, Austria
- Jan 2020 – Mar 2021 **Postdoctoral researcher**, *Complexity Science Hub (CSH), Mécidial University Vienna*, Modeling and big data analytics focused on interaction networks in medicine and social media.
Vienna, Austria
- 2019 **Postdoctoral researcher**, *MPIDS, Department of Complex Fluids and Georg-August-University, Center for Statistics*, numerical modeling, data analysis and development of a Data Science curriculum.
Göttingen, Germany
- 2015–2018 **Doctoral researcher**, *MPIDS, Department of Complex Fluids, Goehring lab*, field studies, analogue experiments, numerical simulations and modeling.
Göttingen, Germany
- 2013–2015 **Scientific assistant**, *MPIDS*, development of “NET”, a framework for the automated extraction of network data from high resolution images.
Göttingen, Germany

Main areas of research

Computational social science, *Analysis of human behaviour through digital traces: dynamics of emotion, prosociality and communication in times of crisis, spread of misinformation, effectiveness of counterspeech strategies.*

Complex systems, *Agent based modelling of disease spread, modelling of collective human behaviour as dynamical system, analysis of human interaction networks on Twitter.*

Grants, fellowships, awards and prizes

- 2021 **Fellowship** "Staying at home - the interplay between behavioural synchronisation and physical distancing in prosocial behaviour", *Marie Curie Action – individual fellowship*, **170 000 €**
- 2020–2024 **Grant** "Researcher mental health", *COST action no. CA19117* role: secondary proposer. **472 000 €**
- 2019–2020 **Fellowship** "Freies Wissen" to realise the project "executable papers", *Wikimedia Foundation*. **10 000 €**
- 2019 **Grant** "Daten Lesen Lernen – connecting 4 Data Literacy", *program "Innovation Plus" by the Lower Saxony ministry for science and culture* role: proposer, together with Thomas Kneib, Benjamin Säfken, Alexander Silbersdorff and Wolfgang Radenbach. **48 630 €**
- 2018 **Fellowship** to attend the Lindau Nobel Laureate meeting.
- 2018–2021 **Prize** to realise the project "Daten Lesen Lernen" at the University of Göttingen, *Stifterverband & Heinz-Nixdorf Foundation* role: proposer, together with Thomas Kneib, Benjamin Säfken, Alexander Silbersdorff, Wolfgang Radenbach and Debsankha Manik. **250 000 €**
- 2017–2018 **Grant** to realise a field study on geophysical pattern formation in salt deserts in California, *DAAD*. **10 000 €**
- 2015–2017 **Fellowship** to realise my dissertation project on geophysical pattern formation in salt playa, *GGNB*. **40 000 €**
- 2015 **Prize** Dr. Berliner - Dr. Ungewitter prize an for outstanding master thesis *University of Göttingen*.
- 2014, 2017 **Fellowship** to attend the European Forum Alpbach

Service

- 2021–present **Member academic commission**, for the newly implemented master's study *Computational Social Science at Graz University of Technology*.
- 2020–present **Management Committee, leader of survey working group**, *COST action "Researcher Mental Health"*.
- 2019–present **Advisory Board member N²**, *network of German non-university PhD representations*.
- 2019–present **Juror**, International Young Physicists' Tournament.
- 2016–present **Voluntary engagement Open Science**, founding of and participation in the Göttingen HackyHour and activities to teach Open Science practices, *focus on Open Educational Resources, Open Source programming and reproducibility*.
- 2018–2019 **Task force "working atmosphere"**, member, *assessment of the working atmosphere pertaining to harassment and mobbing, design and conduction of a survey within the Max Planck Society and formulation of recommendations*.
- 2018 **PhDnet Spokesperson**, Head of the Max Planck PhDnet, the representation of the over 5000 doctoral researchers of the Max Planck Society, *coordination of working groups, strategic planning of PhDnet activities, representative tasks and outreach*.
- 2017 **PhDnet Deputy Spokesperson & Section Representative**, Representation of the doctoral researchers in the Chemistry, Physics and Technology section of the Max Planck Society, *focus on working conditions, equal opportunities and Open Science*.

Selected media reactions

- *Richtiges Testen kann Corona-Ausbrüche in Altersheimen unterbinden*, 2021.
[derstandard.at](https://www.derstandard.at)
- *Gut gemachte Apps können bei der Krisenbewältigung helfen*, Kurier, 2020.
[kurier.at](https://www.kurier.at)
- *Daten für Literaten*, Frankfurter Allgemeine Zeitung, 2020.
[uhtenwoldt.de](https://www.uhtenwoldt.de)
- *Making a difference*, Physics World, 2019.
[physicsworld.com](https://www.physicsworld.com)
- *Q&A: Doctoral students at Germany's Max Planck Society say recent troubles highlight need for change*, Science Magazine, 2018
[sciencemag.org](https://www.sciencemag.org)

Art and Science

- *Interview: "Zur Praxis der Modellierung" and input for the development of the interactive live action game "Leben unter der Kurve"*, 2021.
[TECHNOPOLITICS](https://www.technopolitics.com)
- *Interview and input for the development of the theatre play: STREAMS. Catching Caches*, 2021.
[Julia Novacek & Artemiy Shokin](https://www.julianovacek.com)