

CV

Sarah Isabelle Hofer

1. Personal information

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2. Education

2005 - 2010 Studies in psychology, Ludwig Maximilian University of Munich, Germany
Dipl.-Psych. Diplom-Psychologin Univ., Ludwig Maximilian University of Munich, Germany (24.09.2010)
Title of thesis: *In search of instructional cultures – An empirical approach* [Auf der Suche nach Unterrichtskulturen - Eine empirische Annäherung]
2011 - 2015 Doctoral candidate at the Chair for Research on Learning and Instruction, ETH Zurich, Switzerland (Supervisor: Prof. Dr. Elsbeth Stern)
Dr. sc. nat. eth Doctor of Natural Science, ETH Zurich (03.03.2016)
Title of thesis: *The interplay between gender, underachievement, and conceptual instruction in physics*

3. Employment history

2011 - 2015 Research assistant at ETHZ, Switzerland
2015 - 2017 Postdoctoral researcher at ETHZ, Switzerland
2017 - 2020 Postdoctoral researcher at the Centre for International Student Assessment (ZIB) and in the Programme for International Student Assessment (PISA), TUM School of Education, Technical University of Munich, Germany
2019 - 2020 Professor (interim) of Research on Learning and Instruction at the Ludwig Maximilian University of Munich, Germany
2020 - 2021 Senior researcher at the Institute of Educational Sciences, University of the German Federal Armed Forces Munich, Germany
2021 - 2022 Assistant professor (tenure track) of Learning and Technology at ETHZ, Switzerland
Since 04.2022 Professor (tenure track) of Research on Learning and Instruction at the Ludwig Maximilian University of Munich, Germany

4. Approved research projects

2012 Fostering Concept Knowledge by Formative Assessment in High School Teaching of Physics (SNF)
2019 Digital Scaffolding for Learning in Mathematics (Jacobs Foundation Early Career Research Fellowship)
2020 Interactive Individual Learning Concepts for First-Year Engineering Students to Develop Mental Models in Software Engineering: InteractIT (Technical University of Munich research grant)
2021 Improving data visualization and communication to the public (CIFAR Azrieli Global Scholars Program and Jacobs Foundation Seed Funding Award)
2021 Understanding socioeconomic disparities in education through the lens of children's self-perceptions (CIFAR Azrieli Global Scholars Program and Jacobs Foundation Seed Funding Award)

5. Memberships in panels, boards, etc., and individual scientific reviewing activities

- Regular reviewing activities (e.g., Computers in Human Behavior, Journal of Educational Psychology, Science Education, Network Gender & STEM conference)
- Scientific reviewer for the Jacobs University's and Jacobs Foundation's „Radical Ideas in Higher Education Challenge“
- Co-author of the White Paper „Individualized Learning through Adaptive Teaching – Frontiers in Research and Practice“

6. Active memberships in scientific societies

- Member of the European Association for Research on Learning and Instruction (EARLI)
- Member of the Society for Empirical Educational Research (Gesellschaft für Empirische Bildungsforschung, GEBF)
- Member of the international Jacobs Foundation Talent Network
- Member of the Munich Center of the Learning Sciences
- Member of the CovER-Network/Covid-19 Education Research
- Alumni of the German Academic Scholarship Foundation (Studienstiftung des Deutschen Volkes)
- Member of the Network Gender & STEM