

## Curriculum Vitae – Svenja Lohmann, PhD

### Personal information

Date/place of birth: Feb 09, 1990, Würzburg

Nationality: German

### Languages

German (native)

English (very good)

Swedish (good)

Portuguese (beginner)



### Professional experience

- 06/2023 – present      **Communications officer (part time)**  
Tandem laboratory, Uppsala University
- Development of information material about the laboratory's activities
- 05/2021 – 04/2023      **Postdoctoral researcher**  
Institute of Ion Beam Physics and Materials Research, Helmholtz-Zentrum Dresden-Rossendorf (HZDR), Germany
- Materials analysis and modification at the nanoscale with helium ion microscopy
  - Support of external measurement guests in using the helium ion microscope
  - Commissioning of the medium-energy ion scattering system at the HZDR
- 07/2020 – 02/2021      **Postdoctoral researcher**  
Department of Physics and Astronomy (Ion Physics group), Uppsala University
- Continuation of projects started during my PhD
- 04/2016 – 06/2020      **PhD student**  
Department of Physics and Astronomy (Ion Physics group) at Uppsala University
- Experimental studies of keV ion-solid interactions
  - Materials analysis using ion beams
- 04/2014 – 08/2014      **Student assistant**  
Institute of environmental physics at University of Heidelberg
- Gamma spectroscopy of radionuclides sampled at coastal Antarctica
- 11/2012 – 02/2013      **Intern**  
Centre for Proton Therapy, Paul Scherrer Institute, Switzerland
- Development and testing of software for the steering of the patient table and the gantry during the treatment of patients

### Education

- 06/2020      **PhD in physics**  
Uppsala University, Advisor: Daniel Primetzhofer
- 10/2013 – 12/2015      **M.Sc. in physics**  
University of Heidelberg, Germany; Grade obtained: 1.3 (very good)
- 07/2013 – 09/2013      **Summer student at CERN**, Switzerland
- 10/2009 – 12/2012      **B.Sc. in physics**  
University of Oldenburg, Germany; Grade obtained: 1.3 (very good)
- 06/2009      **Abitur** (German general qualification for university entrance)
- 01/2007 – 07/2007      **High-school semester abroad** in Brisbane, Australia

## Teaching experience

|                   |  |
|-------------------|--|
| 10/2020 – present | <b>Co-supervision of a PhD student</b> at Uppsala University   |
| 2018 – 2022       | <b>(Co-) Supervision</b> of three student projects at Bachelor and Master level  |
| 2017 – 2020       | <b>Course assistant</b> at Uppsala University<br>Introduction to the Bachelor Program in Physics <ul style="list-style-type: none"><li>• Teaching seminars on how to read scientific publications</li><li>• Developing and teaching hands-on introduction to LaTeX and other software</li><li>• Giving feedback on and grading oral presentations</li><li>• Helped to develop a new examination form consisting of group discussions of scientific publications</li><li>• In 2020 I helped to move the course and examination to an hybrid and online format, respectively</li></ul> |
| 2014 – 2015       | <b>Teacher of exercise classes</b> at the University of Heidelberg   |
| 2011 – 2012       | <b>Teacher of exercise classes</b> at the University of Oldenburg  |

## Scientific publications and presentations

- 18 articles in peer-reviewed journals; six of them as a first and corresponding author. A complete list of these publications can be found at: <https://orcid.org/0000-0001-9180-6525>
- 4 invited talks, as well as 6 contributed talks and 5 poster presentations at international conferences

## Science communication

|   |  |
|---|--|
| <b>Volunteer liaison at <i>The Science Talk</i></b> | <ul style="list-style-type: none"><li>• Selecting scientists as guests for the Real Scientists Nano project, who curate our Twitter account for a week and join as guests on our podcast</li><li>• Podcast editing and production</li></ul>                        |
| <b>Online science communication</b>                 | <ul style="list-style-type: none"><li>• Communicated my PhD project on my own Twitter account and as a guest on accounts specialising in science outreach (@realsci_DE and @RealSci_nano)</li><li>• Guest on <i>Under the microscope</i> science podcast</li></ul> |
| <b>Science festivals</b>                            | <ul style="list-style-type: none"><li>• Presented physics experiments to a general audience at Kulturnatten in Uppsala</li><li>• Led workshops for school children at SciFest in Uppsala</li></ul>   |

## Doctoral student/Postdoc representation

|                   |  |
|-------------------|--|
| 09/2021 – 03/2023 | Founding member of the Postdoc representatives at HZDR <ul style="list-style-type: none"><li>• Organisation of networking events for postdocs, e.g. a poster session</li></ul> |
| 07/2019 – 06/2020 | Vice-chair of the university Doctoral Board at Uppsala University  |
| 01/2018 – 06/2020 | PhD student representative in various boards ranging from the division to university level at Uppsala University   |

## Scholarships

Individual travel grants at Uppsala University (different funders): ~52000 SEK

An additional amount of ~43000 SEK was granted but could not be used due to the Corona pandemic.

Other student scholarships: ~15000 SEK

## Conference organisation

07/2018

9th International Workshop on High-Resolution Depth Profiling (HRDP9), held in Uppsala, Sweden – Local organising committee

## Relevant trainings

### Pedagogical training

- *Academic teacher training*, Uppsala University
- *Supervising student presentation – in theory and practice*, Uppsala University

### Other relevant training

- Workshop *Science Communication* with a focus on popular science writing, Klaus Tschira Stiftung
- *Science Communication and Outreach*, PhD course at Uppsala University
- Radiation protection training