



# Sonja J. Prohaska

## Curriculum Vitae

*"The most beautiful thing we can experience is the mysterious – it is the source of all true art and science." -  
Albert Einstein*

### Education

- 07/2003–**PhD, Computer Science (Bioinformatics)**, *Leipzig University*, Leipzig, Germany.  
12/2005 Specialized in Bioinformatics
- 01/1998–**MSc, Biology (Genetics)**, *University of Vienna*, Vienna, Austria.  
06/2003 Specialized in Genetics

### Academic Experience

- 09/2017–**External Faculty**, Santa Fe Institute for Complex Systems, Santa Fe NM, USA.  
Present Duties: research (on computing in biological systems), research project conceptualization, networking, Postdoc fellow recruitment and selection
- 12/2016–**Professor**, Computational EvoDevo, Department of Computer Science, Leipzig University, Germany. Permanent Position.  
Present Duties: independent research and teaching, supervision of PhD and MSc students, fund raising
- 07/2015–**Professor *extraordinarius***, Leipzig University, Germany.  
Present Right to carry the title "Professor"
- 12/2010–**Junior Professor**, Computational EvoDevo, Department of Computer Science, Leipzig University, Germany.  
11/2016 Duties: independent research and teaching, supervision of PhD and MSc students, fund raising
- 2008–2010 **Research Assistant**, Bioinformatics, Department of Computer Science, Leipzig University, Germany.
- 01–06/2008 **Research Fellow**, Santa Fe Institute for Complex Systems, Santa Fe NM, USA.
- 01–09/2008 **Researcher**, Theoretical Chemistry, University of Vienna, Vienna, Austria.
- 2006–2007 **Research Assistant Professional**, Biomedical Informatics, ASU, Tempe AZ, USA.

## Students Supervised

- PhD Henrike Indrischek, Arli Aditya Parikesit, Christian Arnold, Lydia Müller  
MSc Franziska Reinhardt, Jessica Hübner, Oliver Scheer, Tobias Mede, Daniel Gerighausen, Peter Binder, Axel Wintsche

## Funding

- 2016 Mario Mörl, Sonja J. Prohaska. *Unusual RNA-Polymerases: Reaction Mechanism and Substrate Specificity of tRNA Nucleotidyltransferases*. DFG, 3 years, 160 kEUR  
2016 David Wolpert (main PI; Sonja J. Prohaska – travel funds). *Tradeoffs in the Thermodynamics of Computation: A New Paradigm for Biological Information Processing*. INSPIRE, 3 years  
2012 David Krakauer, Peter Stadler, (Sonja J. Prohaska – consultant wage). *Origins and Evolution of Regulation in Biological Systems*. John Templeton Foundation, 3 years  
2010 Sonja J. Prohaska. *Evolution of Complex Translational Control Elements in the Innate Immune Response*. GIF, 1 year, 39 kEUR

## Miscellaneous

- 2019 **Expert Advisory Borad** – BioS project, Germany  
since 2019 **Affiliation** – Complexity Science Hub Vienna, Vienna, Austria  
since 2017 **Editorial Board Member** – Theory in Biosciences  
since 2016 **Affiliation** – Santa Fe Institute of Complex Systems, Santa Fe NM, USA  
since 2008 **Affiliation** – Interdisciplinary Centre for Bioinformatics, Leipzig University, Leipzig, Germany  
since 2014 **Study Committee Member** – Institute of Computer Science, Leipzig University, Germany  
2013/14 **Curriculum Development** – Master Bioinformatics, together with Peter Stadler, Institute of Computer Science, Leipzig University, Germany

## Publications

see [google scholar citations](#)