

# 3-year PhD Position in Computational Social Science

Part time (30h)

Complexity Science Hub Vienna

€ 31.000 gross/ year\*

\*According to the standard personnel costs and salaries of the Austrian Science Fund FWF



The [Complexity Science Hub Vienna](#) is a young research institution dedicated to a deeper quantitative and predictive understanding of complex systems for the betterment of society. We provide an exciting, creative, bureaucracy-free environment for open-minded visionaries who want to make a change and are brave enough to step out of mainstream science.

## PhD Position “Emotional Misinformation — The Interplay of Emotion and Misinformation Spreading on Social Media”

### WE OFFER

A fully funded PhD position within a cutting-edge research project and training with experts in Computational Social Science and Psychology (Hannah Metzler and David Garcia) at the Complexity Science Hub Vienna. The research project aims at understanding how emotions influence the tendency to believe and share inaccurate content and will test the potential of online emotion regulation interventions to reduce misinformation spreading. It will involve analysis of social media data, design and analysis of online interventions and surveys, as well as agent-based modeling.

Your activities will include conducting research projects/scientific studies in Computational Social Science, writing scientific publications, presentations at conferences, contribution to the supervision of master students and research assistants and administrative tasks such as the organization of meetings.

Our team studies how digital traces and social media data can be used to understand human behavior and society, working at the intersection between Computer Science and the Social Sciences. You will further collaborate with the team of Annie Waldherr at the University of Vienna and the Computational Social Science Lab of Graz University of Technology. To learn more about our research and the project, go to [dgarcia.eu](http://dgarcia.eu), [hannahmetzler.eu](http://hannahmetzler.eu), [hannahmetzler.eu/emomis](http://hannahmetzler.eu/emomis).

### WE SEARCH FOR

A highly motivated PhD candidate with a Master’s degree (or equivalent) in Computer or Data Science with a proven interest to study human behavior, or in a social or behavioral science with a strong computational and data analysis background.

### YOUR PROFILE

- Master’s degree in Computer or Data Science, or a social or behavioral science discipline with a strong computational and data analysis background
- Solid knowledge of empirical social research methods, especially quantitative methods
- Proven interest to learn methods of Computational Social Science, e. g. agent-based modeling and simulation, network analysis, automated text analysis
- Coding experience in languages for data science and statistics (e. g. R or Python)
- Strong communication abilities to communicate scientific concepts both orally and in writing
- Excellent command of written and spoken English
- Ability to work in interdisciplinary and international research teams

### APPLICATION

Please send your application materials to [metzler@csh.ac.at](mailto:metzler@csh.ac.at) with the subject line “PhD Emotional Misinformation” before August 15, 2021. Include a CV, a list of publications (if any), a detailed motivation letter (Why do you think you are an excellent candidate in terms of skills and interests?), transcripts of records (if available), and any additional materials that helps us to understand your skills and experience and shows that you motivated, creative and cooperative. Please include names and contact addresses of at least two individuals who are willing to recommend you.

**Starting date:** November 2021