Simon Schwab

Resume

Personal information	
	Work Address:
	University of Zurich
	Epidemiology, Biostatistics and Prevention Institute
	Hirschengraben 84,
	8001 Zurich, Switzerland
	E-Mail: schw4b@gmail.com
	Date/Place of Birth: 11. März 1980 in Biel/Bienne

Employment

08/2018–Present

Postdoctoral Researcher in Biostatistics (100%)
University of Zurich / Department of Biostatistics & Center for Reproducible Science
- Project lead of research related to reproducible data analysis
- Member of the research methods consulting group in clinical biostatistics
- Teaching of biostatistics, Good Research Practice (GRP) and machine learning

07/2018–12/2018

Research Associate in Data Analysis (60%)
University Hospital of Psychiatry, Bern / Translational Research Center
- Data analysis and statistical consulting for all research groups
- Machine learning and pattern analysis in the phobic brain

06/2017–06/2018

Research Associate in Big Data (100%)
University of Oxford, UK / Big Data Institute
- Project lead neuroimaging data analysis in Alzheimer's disease
- Brain network analysis and high-performance computing

01/2016–06/2017

Visiting Academic in Neuroimaging Statistics (100%)
University of Warwick, UK / Department of Statistics
- Time-series analysis for functional brain connectivity (R package "DGM")
- Award by the "Network for Comput. Statistics & Machine Learning'' (£ 2,000)

07/2012–01/2016

Senior IT Manager & Postdoctoral Researcher in Neuroimaging (100%)
University Hospital of Psychiatry, Bern / Neuroimaging Unit
- Statistical data analysis of research projects in neuroimaging
- Senior IT-Manager with 3 IT assistants

10/2008–06/2012

PhD Student in Health Science / Neurosciences (100%)
University Hospital of Psychiatry, Bern / Translational Research Center
- Project lead and publication of schizophrenia research
- Development of R and Python software for neurophysiology data analysis

Undergraduate Employment

03/2007–09/2008
04/2004–10/2004
10/2001–03/2007

IT Assistant, University of Bern / IT Services
Internship, IBM Switzerland, Winterthur / AIX and Linux Services
IT Assistant, Intercooperation; Bern / IT Services

Education

12/2013	**Doctorate** – PhD in Health Sciences (Neurosciences) / University of Bern
10/2008	**Master of Science** – MSc (Psychology and Computer Science) / University of Bern
06/2000	**Matura** – Typ C Mathematics / Deutsches Gymnasium Biel

Languages

German: native   **English:** full professional

French: intermediate   **Italian:** intermediate

Skills profile

Analytic thinking
Lead in national and international research projects
Project management and grant writing
Higher education teaching and supervision
Writing reports and scientific publications
Communication and presentation of results at conferences

Programming: R, Python, Java, MATLAB, Bash, HTML
Reporting: R Markdown, knitr, Jupyter
Databases: MySQL, PostgreSQL
Operating Systems: Linux, MS Windows, OS X

Approved research projects

Total of CHF 239,000

"PRECHECK: A checklist to evaluate COVID-19 preprints" / UNIGE–UZH Joint Funding / CHF 55,000 (February 2021, co-applicant)

"Computational infrastructure to foster open and reproducible reanalysis of scientific data" / SWF University of Zurich / CHF 23'000 (March 2019)

"Linking directed dynamic brain networks to mental health" / SNSF Advanced Postdoc Mobility Fellowship / CHF 72'000 (June 2017)

"Looking at brain networks: effective connectivity with multiregression dynamic models of functional MRI in the Human Connectome Project" / SNSF Early Postdoc Mobility Fellowship / CHF 89'000 (January 2016)

Supervision of junior researchers

Audrey Yeo / Research Assistant in Biostatistics, 2019–2020 (SWF Funding)
Giuachin Kreiliger / MSc Thesis in Biostatistics, 2019

Teaching

Good Research Practice I & II / Graduate Campus course
Statistical Consulting (STA490)/ MSc in Biostatistics
Biostatistik für Mediziner (OEG1S020) Praktikum / Bachelor of Medicine
Klinische Biostatistik (KUR4024) / Master of Medicine
Epidemiology and Biostatistics Methods Seminar (STA880DP) / PhD program
ReproducibiliTea UZH / Virtual journal club

Memberships in societies

Swiss Statistical Society (SSS)
Fellow of the Royal Statistical Society (RSS)

Leisure

electric guitar, movies and home cinema, garden, biking

18. May 2021