Simon Schwab

Resume

Personal Information

Work Address:
University of Zurich
Epidemiology, Biostatistics and Prevention Institute
Hirschengraben 84,
8001 Zurich, Switzerland
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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
07/2018–12/2018	**Research Associate in Data Analysis** (60%) University Hospital of Psychiatry, Bern / Translational Research Center
06/2017–06/2018	**Research Associate in Big Data** (100%) University of Oxford, UK / Big Data Institute
01/2016–06/2017	**Visiting Academic in Neuroimaging Statistics** (100%) University of Warwick, UK / Department of Statistics
07/2012–01/2016	**Senior IT Manager & Postdoctoral Researcher in Neuroimaging** (100%) University Hospital of Psychiatry, Bern / Neuroimaging Unit
10/2008–06/2012	**PhD Student in Neurosciences** (100%) University Hospital of Psychiatry, Bern / Translational Research Center

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

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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

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Languages

German: native   **English:** full professional

French: intermediate   **Italian:** intermediate

Skills profile	Data science, complex data analysis & visualization
	Analytic thinking
	Lead in national and international project teams
	Writing reports and scientific publications
	Communication and presentation of results at international conferences
	Project management and grant writing
	Higher education teaching and supervision

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 184,000 (as principal investigator)

"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 (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

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9. April 2021