

# Simon Schwab

## Postdoctoral Researcher

### Resume

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#### Simon Schwab

University of Zurich  
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#### 1 Personal information

Swiss/Italian national; born on March 11, 1980 in Biel/Bienne  
ORCID: [0000-0002-1588-2689](https://orcid.org/0000-0002-1588-2689); [Google Scholar profile](#)

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#### 2 Education

##### University of Bern / PhD in Health Sciences (Neurosciences)

DECEMBER 4, 2013

Title: "Eye-head coordination pathology in schizophrenia"

Supervisors: PD Dr. Andreas Altorfer & Prof. Dr. René Müri

##### University of Bern / Master of Science (MSc)

OCTOBER 9, 2008

Minor: Computer Sciences (2007–2008)

Major: Psychology (2001–2006)

Supervisor: Prof. Dr. Rudolf Groner

##### Deutsches Gymnasium Biel / Matura (Type C Mathematics)

JUNE, 2000

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#### 3 Employment

##### University of Zurich / Postdoctoral Researcher

NOVEMBER 2018–PRESENT (80%–100%)

Center for Reproducible Science &  
Department of Biostatistics (Prof. Dr. Leonhard Held)

##### University Hospital of Psychiatry, Bern / Research Associate

JULY 2018–DECEMBER 2018 (20%–60%)

Translational Research Center (PD Dr. Leila Soravia)

##### University of Oxford / Visiting Academic (SNSF)

JUNE 2017–JUNE 2018 (100%)

Big Data Institute (Prof. Thomas Nichols, PhD)

##### University of Warwick / Visiting Academic (SNSF)

JANUARY 2016–MAY 2017 (100%)

Department of Statistics (Prof. Thomas Nichols, PhD)

##### University Hospital of Psychiatry, Bern / Postdoctoral Researcher

DECEMBER 2013–JANUARY 2016 (30%)

Neuroimaging Unit (Prof. Dr. Andrea Federspiel)

## **University Hospital of Psychiatry, Bern / Senior IT Manager**

JULY 2012–JANUARY 2016 (70%)

Translational Research Center (Prof. Dr. Thomas Dierks)

## **University Hospital of Psychiatry, Bern / PhD Candidate**

OCTOBER 2008–NOVEMBER 2013 (30%–100%)

Translational Research Center (PD Dr. Andreas Altorfer)

Prior to PhD employments as assistant at the University of Bern, IBM Switzerland and Intercooperation (now Helvetas).

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### **4 Institutional responsibilities**

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#### **Senior IT Manager / University of Bern**

JULY 2012–JANUARY 2016 (70%)

Responsible person for the IT infrastructure and university network at the research departments of the University Hospital of Psychiatry, Bern.

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### **5 Approved research projects as principal investigator**

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#### **SWF University of Zurich / CHF 23'000**

MARCH 2019–FEBRUARY 2021, UNIVERSITY OF ZURICH

“Computational infrastructure to foster open and reproducible reanalysis of scientific data”

#### **SNSF Advanced Postdoc Mobility Fellowship / CHF 72'000**

JUNE 2017–JUNE 2018, UNIVERSITY OF OXFORD

“Linking directed dynamic brain networks to mental health”

#### **SNSF Early Postdoc Mobility Fellowship / CHF 89'000**

JANUARY 2016–MAY 2017, UNIVERSITY OF WARWICK

“Looking at brain networks: effective connectivity with multiregression dynamic models of functional MRI in the Human Connectome Project”

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### **6 Supervision of junior researchers**

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#### **Audrey Yeo / Research assistant (SWF funding)**

AUGUST 2019–OCTOBER 2020

Project: “Computational infrastructure to foster open and reproducible reanalysis of scientific data”

#### **Giuachin Kreiliger / MSc thesis in biostatistics, 2019**

FEBRUARY 2019–AUGUST 2019

Title: “Statistical assessment and adjustment of publication bias in the Cochrane database of systematic reviews”

#### **Miriam Jost / MSc thesis in psychology, 2014**

MARCH 2013–JUNE 2014

Title: “Eye-head coordination in first-degree relatives of patients with schizophrenia”

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### **7 Teaching**

## activities

Good Research Practice I and II / Graduate Campus courses

ReproducibiliTea UZH / Virtual journal club

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

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### 8 Memberships in panels and reviewing activities

Steering committee member / Center for Reproducible Science

Working group lead “teaching” / SwissRN

Reviewing activities

Reviewer for Neuroimage, Brain Topography, BMC Medical Research Methodology, The Annals of Applied Statistics

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### 9 Memberships in societies

Royal Statistical Society (RSS) / Fellow

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### 10 Organization of conferences

Brainhack Warwick 2017

MARCH 2-3, 2017

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### 11 Prizes and awards

Metascience 2019, Stanford University / Poster price \$500

SEPTEMBER 2019

EPSRC UK / Postdoc collaboration award £2 000

APRIL 2015

ISMRM / Educational stipend \$400

APRIL 2015

IBM Switzerland / Best project award

OCTOBER 2004

Zurich, November 16, 2020