

The Swiss Tropical and Public Health Institute (Swiss TPH) is a world-leading institute in global health with a particular focus on low- and middle-income countries. Associated with the University of Basel, Swiss TPH combines research, education and services at local, national and international levels. 900 people from 80 nations work at Swiss TPH focusing on infectious and non-communicable diseases, environment, society and health as well as health systems and interventions.

The Department of Epidemiology and Public Health (EPH), within the Swiss Tropical and Public Health Institute, develops and applies epidemiological, statistical and mathematical methods to advance innovation, validation, and application in the field of public health.

Within EPH we are currently looking for candidates for the following position:

## **Biostatistician 80 – 100%**

### **Research environment**

The Department of Epidemiology and Public Health of the Swiss Tropical and Public Health Institute in Basel, Switzerland, is seeking an experienced biostatistician with an interest in working on epidemiologic data. Faculty members, researchers, and PhD students at Swiss TPH rely on scientific exchange regarding high quality data analysis and research computing to pursue their impact-driven and population-oriented research. Swiss TPH hosts a biospository and has access to large population-based health, environmental and biomarkers datasets. It collaborates actively in national and international epidemiology, public health and personalized health networks. The research activities cover relevant dimensions of infections and non-communicable diseases in humans and animals and include observational studies, intervention trials, and implementation research. To strengthen public health and epidemiology expertise on a national and international scale, Swiss TPH offers graduate and post-graduate courses and programs in epidemiology, public health, and quantitative data analysis for students with natural science, life science, medical and social science as well as economic backgrounds.

### **Your various and interesting responsibilities include:**

- The ideal candidate is an independent, innovative and solution-oriented thinker with a strong background in processing large data sets often containing protected health information.
- The successful candidate will be responsible of managing a small team of statisticians and programmers and act as leader in the development and application of statistical and computational methodologies related to data analysis in the domains of epidemiology, public health, and genomics.
- Key aspects of the job are to collaborate with a team of local, national and international scientists on study design, data analysis strategies, and related software and research IT aspects. Hands-on data analysis is expected in all domains and particularly also in relation to high-throughput omics data. You will create innovative data visualizations. You will actively participate in scientific manuscript writing. You will be expected to provide teaching, training, and mentoring in quantitative methods to graduate and post-graduate students with medical, life-science or social science backgrounds.

**You should have the following experiences and skills in:**

- PhD in Biostatistics or equivalent background
- Team spirit and interest in statistical consulting with a cross-disciplinary aptitude
- Interest in research at the interface of theory and application
- Good communication skills in English. German is desirable, but not a pre-requisite.
- Ability to follow several projects
- Experience in epidemiological research
- Excellent data management and programming skills
- Experience in teaching statistics to students from different backgrounds, including students without a mathematical background
- Experience in coaching PhD students
- Ability to take responsibility and leadership in a complex cross-cutting department with internal and external lecturers and programme partners
- Empowerment of employees by transparent communication, coaching and enabling
- Competence to create an atmosphere of mutual trust and respect
- Leading by example and representing the mission and values of Swiss TPH
- Effective negotiation, conflict management and communication skills
- Sharing own talent in order to thrive for success as a team
- Excellent relationship building in a multi-cultural context and influencing skills

**Additional qualifications welcomed:**

- Experience in handling and analyzing–omics datasets, including integrative pathway/network analysis as well as machine learning models
- Experience with version control systems, in particular Git and GitHub
- Interest in mobile health technology, including smartphone applications and wearable devices to develop temporally-dense measures of location and behavior

**What we offer:**

- Meaningful work in an international environment
- A state-of-the-art workplace in our new building with its own canteen on the dynamic BaseLink site in Allschwil
- Interesting encounters with people from a wide variety of backgrounds
- Being part of a committed and motivated team with short information and decision paths
- A generous number of free bridge days
- Attractive employment conditions, versatile further education opportunities and mentoring

Swiss TPH an equal opportunity employer committed to excellence through diversity. Swiss TPH is the largest Public Health research institute in Switzerland with broad global activities and an international reputation. We offer a highly transdisciplinary and inspiring academic environment. Innovative and dedicated are the best key-words to describe Swiss TPH where teamwork is actively lived.

**Please submit your application online via the link provided below with:**

- Motivational letter
- CV
- Reference letters and diploma
- Names and contact information (email or phone) of 3 references

Please note that we can only accept applications via our online recruiting tool:

<https://jobs.swisstph.ch/Jobs/All>

Applications via e-mail or external recruiter will not be considered.

There is no closing date for application, we encourage applicants to submit their application as soon as possible. As long as the position is published on the website of Swiss TPH it is still open.

**Job Profile:**

Start Date: The position is available immediately

Location: Allschwil, Switzerland

Duration: initially limited to a period of 3 years with the possibility of extension

Percentage: 80-100%

**Contact:**

Administrative questions regarding this position can be sent to Sonja Bühler, HR Partner at [sonja.buehler@swisstph.ch](mailto:sonja.buehler@swisstph.ch)

Scientific questions regarding this position can be sent to Prof. Dr. Nicole Probst-Hensch at [nicole.probst@swisstph.ch](mailto:nicole.probst@swisstph.ch)

Please do not use email address for applications.