



**UNIVERSITÉ
DE GENÈVE**

As of 1 June 2018 (or as soon as possible) we are looking for a

Data scientist (60-100%) (Research Associate)

at the Institute of Global Health at the University of Geneva.

The Institute of Global Health (<https://www.unige.ch/medecine/isg/en/>) is a lively research institute, with a strong commitment to further develop its strengths in the field of precision global health.

The unique position at the Campus Biotech in Geneva (<https://www.campusbiotech.ch/en>) enables the development of strong links with international organizations (such as the World Health Organization, the Global Fund, GAVI or FIND); other research groups (e.g. from EPFL, CERN or the University hospital of Geneva) and start-up companies.

The lake of Geneva and its surrounding parks are located just across the street; and outdoor fans will love the close-by mountains.

The successful candidate will work in the division of infectious diseases and mathematical modelling led by Prof Olivia Keiser.

Research area and responsibilities:

The aim of our research group is to get a better understanding of the "human factors" that contribute to the spread of infectious diseases. We are looking for an innovative data scientist who will lead their own research, while also contributing to other projects in the team.

The successful candidate will work in an interdisciplinary team of scientists and will

- develop and apply novel methods at the interface of quantitative and qualitative global health
- lead the design, development, and application of software for data mining and data visualization
- collaborate with scientists and various stakeholder of International Geneva
- provide documentation and training of software
- write high-level scientific publications in English
- participate in international conferences

Required Qualifications

- Master or PhD degree in physics; computer science; statistics; mathematics or similar quantitative area.
- Interest in applied research in the field of Global Health.
- Particular areas of expertise include, but are not limited to any of the following: network analysis; text mining; artificial intelligence; deep learning; mathematical modelling; phylogenetic analyses; spatial, multivariate and Bayesian statistics; quantitative social science; analysis of social media data.
- Very good programming skills (in e.g. Python, MATLAB, C/C++, Java, R, Stata).
- Ability to self-direct new research paths and propose new ideas.
- Excellent oral and written communication skills in English.

The appointment is available from 1 **June 2018** (or as soon as possible), **for 1.5 years** initially. For further information please contact Prof. Olivia Keiser olivia.keiser@unige.ch.

Please send your application (incl. CV, cover letter and references) to: olivia.keiser@unige.ch by **April 15 2018**.