

Empa is the research institute for materials science and technology of the ETH Domain and conducts cutting-edge research for the benefit of industry and the well-being of society.

Empa's Laboratory for Air Pollution and Environmental Technology develops atmospheric measurement techniques and modelling tools as a contribution to a healthy and safe environment. For the development of our measurements of halogenated trace gas related to ozone-depletion and climate change, we are looking for an

## **Post-doc analytical chemist, environmental scientist (m/f/d) 100%**

### **Your tasks**

- Method development for the analysis of halogenated greenhouse gases, using an innovative combination of cryogenic preconcentration and GC-TOFMS
- Advancements in the development and application of non-target screening of organic trace gases in the atmosphere
- Installation of continuous air measurements, using the GC-TOFMS
- Statistical analysis and visualization of the data
- Digitalization of trace gases from a physical air archive, applying GC-TOFMS
- Development of software tools for efficiently archiving of trace gas data
- Contribution to the long-term measurements of halogenated greenhouse gases at Jungfraujoch using GC quadrupole MS

### **Required qualifications**

- PhD in chemistry, physics or environmental chemistry
- Excellent technical skills and experience in gas chromatography for analysis of organic compounds
- Experience in programming for hardware control and data analysis
- Communicative persons that enjoys working in an international environment
- Very good oral and written skills in English and German
- Self-motivated and communicative teamplayer

The position is available immediately and has an initial duration of two year.

**For further information** about the position please contact Stefan Reimann [stefan.reimann@empa.ch](mailto:stefan.reimann@empa.ch) and visit our websites <https://www.empa.ch/web/s503/climate-gases> and [Empa-Video](#)

**We look forward** to receiving your online application including a letter of motivation, CV, credentials with complete scholar transcripts and contact details of two referees. Only complete applications will be considered. Please upload the requested documents through our webpage. Applications via email will not be considered.

Empa, David Heusser, Human Resources, Ueberlandstrasse 129, 8600 Dübendorf, Switzerland.