The Max Planck Institute for Biogeochemistry in Jena is an internationally renowned research institution with currently about 220 employees and is dedicated to fundamental research in the field of Earth system sciences with a focus on climate and ecosystems. We are looking for the 01.09.2020

Research Assistant (m/f/d)
(Full time, limited in time 31.08.2022)

Background and position description:
The stable isotope service laboratory (BGC-IsoLab) is responsible for high precision measurements of stable isotopes on different types of samples. Ten isotope ratio mass spectrometers with various peripherals are available for this purpose. In addition to routine measurements, the BGC-IsoLab also deals with the standardization of isotope measurements. The BGC-IsoLab is the central calibration laboratory for isotope measurements of atmospheric carbon dioxide for the Global Atmospheric Watch (GAW) program of the World Meteorological Organization (WMO).

Tasks:
- δO2/N2 and δAr/N2 measurements of atmospheric air and high-pressure tanks
- Dual Inlet Stable Isotope Measurements (δ13C/δ18O Measurement of CO2 and δ15N/δ18O Measurement of N2O) and the corresponding sample preparation
- Design, development and implementation of methods for the standardization of isotope measurements including primary calibration of international reference materials
- Further development of analytical methods based on the existing equipment and the changing requirements of the institute
- Supervision/consulting of students and scientists in the performance and application of isotope analyses
- Contribution to experimental work and related scientific publications
- Representative for the logistics of sample containers (bottle storage)
- Support, maintenance and repair of device controlling computers (hard- & software)
- Integration of new analytical methods into the existing infrastructure including connection of the control software

Qualifications:
- University degree in natural sciences (Master's degree or comparable), doctorate is an advantage
- Experience with scientific analytical methods and measurements of stable isotopes in particular
- A high degree of motivation, reliability, personal responsibility, precise work ethic, time management and the ability to work as part of a team
- Good written and spoken English and German skills

In addition, the following skills are advantageous:

- Experience in handling gases and gas samples
- IT knowledge (hardware and software) including basic programming skills are desirable

**Our Offer:**
This is a full-time position as Research Assistant (m/f/d). You will join a small, flexible, family-like team that is committed to supporting the scientific work at the institute in the best possible way and at the same time to make scientific contributions to the field of stable isotope analysis. The remuneration is based on the German TVöD scale, depending on experience, including social benefits.

The Max Planck Society strives for equality between women and men and for diversity. In addition, the Max Planck Society wants to increase the proportion of women in those areas in which they are underrepresented. Women are therefore expressly encouraged to apply. We welcome applications from all areas.

The Max Planck Society has set itself the goal of employing more severely disabled people. Applications from severely disabled persons are expressly welcome.

**Your Application:**
Have we aroused your interest? Then we look forward to receiving your detailed application by **June 30, 2020**, quoting the reference number 06/2020, to

Max-Planck-Institut für Biogeochemie
Personalbüro
Hans-Knöll-Straße 10
07745 Jena

or by e-mail as a PDF document to bewerbung@bgc-jena.mpg.de.
Please do not use any application folders, but submit copies only, as your documents will be destroyed in accordance with data protection regulations after the application procedure has been completed.

We are looking forward to your application!