



**Universität
Zürich^{UZH}**

Institute of Plant and Microbial Biology IPMB

Postdoc or experienced TA in sustainability technology implementation 80 - 100 %

Start of employment is as soon as possible, temporary

The Department of Plant and Microbial Biology (IPMB) of the University of Zurich (UZH) conducts fundamental and applied research and teaching on a wide range of organisms using genetic, molecular, biochemical, cellular, developmental, evolutionary, and ecological approaches to understand how plants and microbes function and interact with each other as well as with their environment.

Your responsibilities

The central goal of this one-year limited full-time position is to implement a novel technology that allows the washing and reusing of pipette tips that today are discarded after a single use. Single-use plastic disposables cause dozens to hundreds of kilograms of waste per wet-lab scientist and year, resulting in tremendous costs and posing a heavy burden on our environment.

We aim to evaluate a device permitting automated washing of pipette tips for cycles of reuse. This involves legal clearance, assessment of the useability for molecular biology experimentation, development of workflow recommendations, and sustainability assessments. Close collaboration is required with scientists and TAs of IPMB, officials from the AWEL of the canton of Zurich, the company supplying the device, analytics service providers, experts on energy assessments of UZH, and other Swiss Universities aiming for the same. The results of this study shall be documented for UZH-internal and external use as publication in a scientific or lab management journal.

Further information can be found under "UZH as a real-world laboratory". We believe that we cannot afford throwing away tons of potentially reusable laboratory plastics in 20 years from now, so projects like tip washing rethink lab work and thus represent a showcase of how a greener laboratory may function in the future.

Your profile

- PhD in life science, documented experience in wet-lab molecular biology experimentation
- Solid experience in experimental planning, project documentation, and paper writing
- Good communication and negotiation skills with various peer groups, preferably also in German
- Independent, highly structured and proactive work style
- Interest in "green" technology platforms aimed at improving the sustainability of lab work

What we offer

Work-Life Balance

- Flexible working models (such as part-time positions, mobile working, job-sharing)
- Childcare at the kihz foundation of UZH and ETH

Learning and Development

- Wide range of continuing education courses of UZH and the Canton of Zurich
- Language Center run jointly with ETH Zurich

Food

- Food and drinks at reduced prices in the UZH cafeterias
- Lunch-Check-card with UZH contribution

Healthcare

- Special conditions on the Academic Sports Association ASVZ
- Free seasonal flu vaccinations
- Rest and relaxation at the quiet room in the university tower

Discounts

- Private traffic: Carsharing, rent a vehicle, parking space
- Digitalization: Hardware, software, mobile phone subscriptions
- Special conditions on hotel reservations

Conditions of Employment

- Policies of the UZH
- Most UZH staff are employed according to public law

International Services

- Support for people from outside Switzerland

Campuses

- Campuses Zurich City, Zurich Irchel, Oerlikon and Schlieren
- Sites Zurich West, Old Botanical Garden, Botanical Garden and Lengg

Location**Institute of Plant and Microbial Biology IPMB**

Zollikerstrasse 107, 8008 Zürich, Switzerland

Information on your application

Please submit your application as one PDF file. Applications are evaluated until the position is filled.

Questions about the job

Dr. Célia Baroux

Scientific Team Leader

044 634 82 50

Questions about the application procedure

Jasmin Unternährer

HR-Manager

043 634 82 06