

AITHYRA

About AITHYRA

AITHYRA is a pioneering biomedical research institute in Vienna, Austria, where artificial intelligence meets life sciences to drive the next biological revolution. AITHYRA is an institute of the Austrian Academy of Sciences (ÖAW) and was established with generous funding from the not-for-profit Boehringer Ingelheim Foundation Mainz. We are building a world-class collaborative environment that brings together AI specialists, experimental scientists, and engineers to push the boundaries of biomedical innovation and improve human health.

Join us in shaping the future of biomedical AI—where science meets innovation, and where magic happens.

Flow Cytometry & Automation Technician (all genders)

We are seeking a **Flow Cytometry & Automation Technician** to join our **AI Driven Lab Robotics team**. This role sits at the intersection of flow cytometry, screening, and lab automation, requiring deep hands-on expertise in cell sorting, assay development, user support, and instrument operations.

You will play a pivotal role in establishing and operating a new flow cytometry core capability while supporting automated screening workflows across the institute. The position is approximately 80% FACS focused and 20% robotics focused, enabling scalable, reproducible, and high-quality experimental workflows across AITHYRA.

Start date: flexible

Contract: full-time

Positions available: 1

Your Tasks

- Establish and operate AITHYRA's new flow cytometry and cell sorting capability within the AI Driven Lab Robotics group.
- Set up, optimize, and execute flow cytometry assays, sorting experiments, and flow-based screening workflows.
- Develop new FACS assays and screening methods in collaboration with internal scientific stakeholders.
- Support scientists across AITHYRA with experimental planning, assay setup, instrument use, and troubleshooting.
- Train users on flow cytometry instrumentation, workflows, and best practices.
- Perform routine maintenance, calibration, quality control, and troubleshooting of flow cytometry and cell sorting equipment.
- Stay up to date on new developments, applications, and emerging technologies in flow cytometry and FACS.
- Support routine screening activities on laboratory automation platforms.
- Collaborate with the automation team to support future integration and automation of FACS-based workflows.
- Maintain a safe, compliant, and well-documented working environment, including BSL-2 laboratory practices.

Your Profile

- Bachelor's or Master's degree in cell biology, immunology, molecular biology, biotechnology, biomedical sciences, bioengineering, or a related discipline.
- Experience with Flow cytometry and FACS operation, sorting workflow setup, instrument QC, preventive maintenance, and troubleshooting.
- Hands-on experience in flow cytometry and/or fluorescence-activated cell sorting in a research institute, core facility, biotech, or similar environment.
- Experience with assay development or optimization for flow cytometry-based applications, including analysis approaches such as gating strategy development and data interpretation.
- Experience supporting multiple users or projects in a shared scientific environment.
- Experience working in a BSL-2 laboratory environment or readiness to do so.

- Experience with instruments such as BD FACSAria and/or Agilent Penton.
- Familiarity with laboratory automation platforms is a plus, including systems such as Opentrons, Hamilton, Beckman, or related technologies.
- Relevant vendor training or flow cytometry certifications are a plus.
- Familiarity with mammalian cell workflows and fluorescence-based assays.

What We Offer

- A minimum gross annual salary of EUR 39.000.
- Support for your wellbeing, including access to a company doctor.
- Fresh fruits, sweet treats, and free coffee & tea are available every day.
- Flexible working arrangements, with the option for one home office day per week.
- Core hours: Monday-Thursday 09:00-15:00, Friday 09:00-13:00.
- Meal allowance to make your day a little easier.
- A welcoming community with diverse social and cultural activities.
- Relocation support to help you settle in comfortably if you're moving to join us.
- We invest in career development and training, and offer meaningful and purpose-driven jobs.

Ready to contribute to an AI-driven research environment?

Application Process

Please submit your application until: 23.05.2026

We will be in touch afterward.

- **CV** highlighting your relevant experience and achievements
- **Cover letter**
- **Contact details** of at least two professional references.

Should you have any questions, please contact the AITHYRA HR Team at recruitment@aithyra.ac.at

We are a curiosity-driven, globally minded organization committed to building an inclusive and flexible workplace. At AITHYRA, we believe diverse perspectives strengthen collaboration and spark innovation. We welcome applicants from all backgrounds, cultures, and experiences to help us create

teams that reflect the communities our science serves. Your unique contribution matters here - come realize your full potential with us.

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