

The **Gabelica group** is recruiting one **PhD candidate** or **post-doctoral researcher**
at the **University of Geneva, Switzerland**
to work on the ERC Advanced Grant CHIRAMASS

Coupling Ion Mobility-Mass Spectrometry and Ion Spectroscopy for Chirality Measurements

The ERC-funded CHIRAMASS project aims to develop new analytical approaches for chirality measurements by coupling ion mobility-mass spectrometry (IM-MS) with gas-phase ion spectroscopy. The project seeks to establish innovative instrumentation and methodologies capable of probing the structure and handedness of molecular ions with unprecedented sensitivity and specificity.

The successful candidate will join the Biophysical and Bioanalytical Mass Spectrometry Laboratory at the University of Geneva under the supervision of Prof. Valérie Gabelica. Research will involve the development and implementation of instrumentation combining ion mobility spectrometry, mass spectrometry, laser-based spectroscopy, and advanced ion manipulation methods. Applications will include structural characterization, chirality analysis, and fundamental studies of gas-phase ions relevant to chemistry, biology, and pharmaceutical sciences

Profile: We seek a highly motivated candidate holding either a Master's degree (for PhD applicants), or a PhD degree (for postdoctoral applicants) in Physics, Chemistry, Engineering, or related disciplines. Useful competencies include ion optics, simulations, vacuum systems, optics and lasers, instrument control, electronics, mass spectrometry instrumentation, and gas-phase ion chemistry or spectroscopy. English: B2 level or higher.

Why join us?

- *You enjoy building things that do not yet exist* → This is not a routine application project. The goal is to develop new instrumentation and new methodologies at the intersection of ion mobility spectrometry, mass spectrometry, and ion spectroscopy.
- *You are scientifically curious and collaborative* → The project sits at the interface of analytical chemistry, physical chemistry, spectroscopy, and instrumentation, and thrives on creativity, idea sharing, and teamwork.
- *You want to make a visible contribution* → We strive to help team members develop as scientists, communicators, and future leaders in their field.

Start date: As soon as 01/01/2027. Review of applications will begin on November 15, 2026 and continue until the positions are filled.

Job location: Section of Pharmaceutical Sciences, Centre Médical Universitaire,
Rue Michel-Servet 1 - CH- 1211 Genève, Switzerland.

To apply: Follow instructions on <https://euraxess.ec.europa.eu/jobs/472393>

