

Job Vacancy
Analytical Chemist – Mass Spectrometry
Indefinite-term Appointment - Full-time

The International Bureau of Weights and Measures (BIPM), which is based in Sèvres in the outskirts of Paris (France), is an intergovernmental organization whose mandate is to provide the basis for a coherent system of measurements throughout the world, traceable to the International System of Units (SI). It has an international staff of about 75 and an annual budget of about 13 million euros. Further information about the BIPM can be found on the BIPM's website: www.bipm.org

The Chemistry Department of the BIPM operates laboratories organizing international comparisons of peptide and small organic primary reference materials and calibrators, and seeks an **analytical chemist with mass spectrometry expertise** to join its team.

Closing date: 31 May 2017

Duties

The successful applicant will develop and implement chromatographic and mass spectrometric methods for the quantification of impurities and the main component of pure biologically relevant molecules (organics, amino acids, peptides, and small proteins). He/she will provide precise and accurate measurements for traceable mass fraction value assignments, and complete characterization of materials before their use in international inter-laboratory comparisons. He/she will be an expert in one or more mass spectrometric hyphenated techniques, with the willingness and aptitude to develop expertise in additional analytical techniques including qNMR.

Qualifications

Applicants should have:

- A Ph.D. degree in a relevant field (analytical chemistry/ biochemistry);
- Strong technical skills in liquid chromatography (LC), mass spectrometry (MS), LC-MS/MS, and related analytical technologies;
- At least 5 years' experience in LC-MS/MS analysis of biologically relevant molecules;
- Proficiency in *de novo* peptide sequencing and identification/quantification of peptides;
- Experience in the independent operation and routine maintenance of current generation hybrid LC-MS/MS (Q-trap, Sciex) and/or high resolution LC-MS (Orbitrap, Thermo) instrument and associated data analysis software;
- Familiarity with measurement uncertainty evaluation;
- Ability to work in a team;
- A fluent level of spoken and written English;
- Ability to work in a multicultural environment and to maintain good working relations inside and outside the Organization.

Previous experience in the following areas would be an advantage:

- Peptide/protein chemistry (hydrolysis, digestion, modification, labeling and purification);
- The operation of other relevant analytical instrumentation including NMR and high resolution mass spectrometers;
- Working in an ISO/IEC 17025 compliant or equivalent environment.

Although proficiency in French is not essential at the outset, the candidate will be expected to acquire a working knowledge of French after taking up the post, with lessons provided as necessary.

Terms of Employment

The BIPM offers for this position an [indefinite-term appointment on a full-time basis](#), with an initial probationary period of six months.

The BIPM offers an annual gross salary on appointment that is competitive and will depend on the qualifications and experience of the successful candidate. It is expected that the annual salary offered will be from around [46 700 euros to around 55 700 euros](#).

Allowances are payable to staff recruited internationally and also depending on their family situation, pursuant to the Regulations, Rules and Instructions applicable to staff members of the BIPM. Salaries and allowances are exempt from income tax in France.

The BIPM provides a pension scheme and health insurance for staff; health insurance can be extended to cover staff dependents. Staff members contribute to both the pension scheme and health insurance.

Applications

The BIPM encourages applications from persons with relevant qualifications, regardless of gender or nationality.

A full Curriculum Vitae (C.V.) and covering letter should be sent to recruitment@bipm.org **no later than 31 May 2017**.

Applications should include the names of two reference persons who will be asked to comment upon the candidate's suitability for the post.

Candidates will be contacted in case of selection for an interview and may initially be requested to participate in a telephone interview.