

The Laboratory of Advanced Technology at the University of Geneva in Switzerland is seeking a highly qualified scientist specialized in XPS spectroscopy to join their team at the Chemical Analysis and Imaging Platform.

Location: Geneva, Switzerland

Workload: 100%.

Contract Type: Scientific Associate/Scientist

Candidates should hold a Ph.D. in physics, chemistry, surface science or materials science with a deep knowledge of XPS and with practical experience using the Physical Electronics VersaProbe. We expect strong foundations in XPS data acquisition and analysis in the context of materials physics and surface engineering, to run projects from diverse fields such as physical chemistry, solid state physics and medical sciences. A problem-solving mindset is essential, as the candidate will be responsible for providing services both to industry and to academic research groups.

Key responsibilities of the position include:

1. Attract and execute industrial mandates. The Laboratory of Advanced Technology (LTA) acts as a bridge between industry and research laboratories, and the candidate will be responsible for all aspects of delivering XPS service mandates. This includes establishing contact with industrial partners, developing measurement protocols, collecting and analyzing data, and preparing reports. Active participation in seminars, roundtable discussions, meetings, fairs, and other events related to innovative university-industry collaborations is a significant component of the role. Furthermore, the candidate will contribute to the management of the LTA and promote the activities of the Chemical Analysis and Imaging Platform. The ideal candidate should possess a high degree of autonomy and the ability to synthesize information from various fields and techniques.
2. Conducting XPS experiments for academic research. This involves supporting research groups in designing experiments, providing technical and scientific assistance to ensure the optimal use of the equipment, and performing data acquisition and analysis to facilitate the publication of research findings.

Minimum Qualifications:

- Ph.D. in physics, chemistry, materials science, surface science or equivalent qualification
- 3+ years of relevant work experience in academia and/or industry
- 3+ years of experience with XPS, knowledge of other materials characterization techniques is a plus
- Experience in laboratory environment, including equipment setup, operation, and troubleshooting
- Strong organizational skills and the capability to manage multiple tasks
- Adaptability to shifting priorities to meet business needs and deadlines
- Exceptional interpersonal skills with a proven track record of effective collaboration with diverse teams, customers, and internal and external partners.
- Practical knowledge of the PHI VersaProbe XPS is an advantage