

FTMS Scientist/Engineer

Data acquisition electronics and digital signal processing

Spectroswiss LLC offers advanced instrumentation and signal processing solutions designed to increase productivity and efficiency of life sciences research using Orbitrap™ FTMS and FT-ICR MS. Spectroswiss is a start-up company established in 2014 by Dr. Yury O. Tsybin as a spin-off from Ecole Polytechnique Fédérale de Lausanne (EPFL). We are located at the beautiful EPFL Innovation Park in Lausanne, Switzerland.

Position: We are looking for a highly motivated entrepreneur-type individual who is interested in applying his or her basic training in physical sciences to tackle applied problems in life sciences research via development and application of data acquisition electronics and software in FTMS. The position offers an opportunity to work in a vibrant interdisciplinary environment of an innovation-driven start-up. Our location at the EPFL Innovation Park offers access to both the university infrastructure and start-up community network. The position is directly linked to a European Research Commission Proof of Concept Grant. Business travels within Europe and to the USA are envisioned.

Type of support: 1 year guaranteed, extension possible based on performance; salary ~ 80'000 USD/year (depends on qualification).

Starting date: position is open from 1st June 2015

Requirements:

- The candidate should hold a PhD or equivalent in physics, mathematics, computer science, chemistry, or a related discipline.
- Computer knowledge includes programming skills; knowledge of Python and LabVIEW is a plus.
- Experience with FPGA architectures is a plus.
- Experience with data acquisition systems design and use in mass spec is a plus.
- Hands-on experience in biological LC-MS, preferably Orbitrap FTMS, is a plus.
- The candidate should be proficient in English; French/German/Russian is a plus.
- The candidate should be enthusiastic about working in a team environment while is also encouraged to pursue his or her project(s) independently.

Application:

Application should include a CV, list of publications, names and contacts of 3 references.

The application should be sent for the attention of Dr. Yury O. Tsybin: info@spectroswiss.ch