

Technician position at ETH Zurich in Basel (Biochemistry and Molecular Biology)

Applications are invited for a technician position at the new **Systems Biology and Bioengineering Group** under Professor Savas Tay, at the Department of Biosystems Science and Engineering, starting February 2011.

*Our group will focus on: 1) solving major problems in systems biology especially in the area of mammalian **cell signaling** using cutting edge, quantitative **experimental and computational** methods, and, 2) developing new technologies based on **microfluidics** to aid this effort.* Existing scientific and medical problems will determine the direction for our technology development endeavors.

Minimum requirements:

- 1) B.S. or M.S. degree in cellular and molecular biology, biochemistry, bioengineering, or similar field
- 2) Excellent bio-laboratory and wet bench skills
- 3) Experience with mammalian cell biology: mammalian cell culture, DNA cloning and viral systems, immunofluorescence, microscopy
- 4) Experience with biochemical methods: PCR, enzymatic assays, protein purification, ELISA, Western Blotting etc.
- 5) Excellent organizational skills (lab books, data, reagents, lab equipment, supplies etc.)
- 6) Flexible and fast learning, willing to learn new techniques

Following qualifications would be a plus:

- 1) Computer savvy, experience with programming (i.e. Matlab, C++, etc)
- 2) Used Labview or Matlab to control instruments (automation)
- 3) Scientific data analysis, image-processing experience
- 4) Microfabrication
- 5) Research experience and publications/conferences
- 6) Experience with techniques such as FACS, imaging and microscopy, RT-PCR, next gen sequencing etc

Our laboratory will be located in Basel, Switzerland. ETH Zurich provides internationally competitive salary and excellent benefits for staff.

The position will start Feb 15, 2011. Motivated and energetic candidates should send research interests, full CV including details of experimental and computational skills, publications, names and contact information for 3 references in a single PDF file to: savas.tay@gmail.com