



ÉCOLE POLYTECHNIQUE  
FÉDÉRALE DE LAUSANNE

SystemsX, the Swiss initiative in Systems Biology, has recently given its support to LipidX, a consortium focused on a better understanding of lipids and their function (LipidX, <http://www.systemsx.ch/index.php?id=154>). The hosting institute of the project is the School of Life Sciences at EPFL (Ecole Polytechnique Fédérale de Lausanne, Switzerland, <http://sv.epfl.ch/>), a rapidly growing academic entity that is progressively establishing itself on the international scene as a major center in Life Sciences Research.

LipidX has an immediate opening for a

## Scientific Collaborator (full time) Lipidomics and RNAi screening Data Management

*Desirable experience:* Bioinformatics

*Position:* The successful candidate will be a key member of LipidX and will also be integrated into the EPFL Bioinformatics and Biostatistics Core Facility as well as into LipidX's computational modelling group at ETH Zürich (group of Prof. I. Sbalzarini). He/she will:

- Develop and maintain a comprehensive set of tools to visualize and interpret heterogeneous lipidomics and RNAi screening data
- Analyse large-scale lipidomics and RNAi screening data in collaboration with the LipidX members
- Support the design, and use of databases integrating several sources of data e.g. genetic and evolutionary data
- Collaborate with LipidX members to develop molecular modelling techniques and structural descriptors for lipids
- Contribute to the training of LipidX members

*Experience/Qualifications:*

- Master or PhD in bioinformatics or equivalent experience
- Good knowledge of standard software for sequence analysis and comparative genomics
- Knowledge in machine learning and numerical simulation methods
- Good scripting and programming skills (C/C++, Java, SQL, Perl, shell, etc.)

Motivated and broadly interested individuals willing to operate in a multidisciplinary environment on challenging scientific projects, eager to embrace new technologies and able to work in a service oriented context are welcome to apply. While French is the local language, fluency in reading and speaking English is a necessity in the EPFL and LipidX multicultural environment.

The suitable candidate will be initially hired with a salary commensurate with qualifications and experience. EPFL is an equal opportunity employer.

Please send a full CV, a statement of interest and relevant references from previous positions (if applicable) by mail or e-mail to:

**Gisou van der Goot**  
**Global Health Institute**  
**Life Science Faculty**  
Station 15  
CH-1015 Lausanne  
Switzerland

Starting date: **as early as possible**; the position will be advertised until filled.

For further information, please contact the LipidX coordinator Gisou van der Goot, by e-mail: [gisou.vandergoot@epfl.ch](mailto:gisou.vandergoot@epfl.ch).