An assistant HES or associate researcher in Information Sciences

JOB DESCRIPTION

Join the SIB Text Mining team in Geneva and help clinicians to make actionable sense of genetic variants. We are looking for a research assistant or associate researcher in Computer Science/Bioinformatics with demonstrated experience and knowledge of Text Mining. The selected candidate will work within the context of the Swiss Variant Interpretation Platform for Oncology (SVIP-O), a SIB project to make personalized health a scalable reality. SVIP-O aims to provide a central resource for clinicians and researchers to annotate and interpret clinically verified variants in cancer. Not only will this reduce discrepancies in variant annotation, but also mitigate the great manual workload for clinical sites, when interpreting conflicting annotations.

Under the responsibility of a professor HES, the candidate will mainly participate to the SVIP-O project:

- Manipulation of text collections, in particular in the biomedical field
- Development and evaluation of data mining and predictive analysis models
- Development of services and graphical user interfaces for demonstration purposes
- Writing of scientific reports and other scientific communications, mainly in English
- Participation to scientific conferences and project meetings, mainly in English

PROFILE REQUIREMENTS

- Master in information sciences, bioinformatics or computer science (research assistant)
- or PhD in information sciences, bioinformatics or computer science (associate researcher)
- Experience in natural language processing (e.g. Syntaxic Analysis, Markov Models, Conditional Random Fields, …)
- Experience or interest in learning to rank algorithms (e.g. LambdaMART)
- Strong knowledge and coding experience in programming languages (e.g. Python, R, Java or Perl)
- Experience in the domain of information sciences and/or data sciences
- Excellent communication skills in English
- Strong interest in the biomedical field
- Preliminary experience in scientific research

In addition, the following experience would be helpful, but not essential:
- Experience in the domain of personalized health in oncology
- Experience in the development of biocuration assisting tools

TERMS & CONDITIONS

- **Contract:** We offer a full-time fixed-term contract: 1-4 year and possibility to prepare a PhD. The salary class of an assistant HES is class 9 – annuity 2 for candidates with a Master degree. The salary class for a postdoc is class 15.
- **Employment fraction:** 100%

Application procedure: Applications should contain the following documents: a motivation letter, a curriculum vita, copies of work certificates, copies of degree certificates and transcripts. Applications should be sent by email only to patrick.ruch@hesge.ch, with a copy to emilie.pasche@hesge.ch.

Deadline: **March 31th 2018**

Start date: **April 1st 2018 or to be discussed**