September 2016

Call 4 Students!

The SEMS group at the **Department of Systems Biology and Bioinformatics** aims at improving the management of computational simulation models. We are looking for motivated students to extend our team for a few months.

In previous work, we developed an algorithm and tool for difference detection in versions of models, called BiVeS. A prototype web application, called BudHat, visualises the differences in non-standard format.

Right now we are working towards standardising the visualisation of differences. We would like to use a tool pipeline that generates differences with BiVeS, creates an SBGN-ML file out of this and then displays the SBGN network in a web browser using D3. A prototype is available, but we need further help to debug the generation of the SBGN-ML format, and to improve the visualisation of the networks in the web browser. Finally, we would like to integrate that tool into BudHat to exchange the current visualisation with the standardised one.

A suitable candidate is **highly motivated** to join us for 2-4 months as an intern (end of 2016/beginning of 2017). You need to have **good programming skills**, preferably Java and Javascript; should have worked with D3 before (or feel confident to learn it quickly) and be experienced with web development. If so, we will be more than happy to integrate you in our team!

Are you the right person for the job?

Do not hesitate to apply for an **intern position**! Simply email us your CV and tell us a bit about yourself. We will then invite you for a short interview. Financial support for the internship will be provided. The work may be embedded in a **Bachelor or Master thesis**. In case there are open questions feel free to drop us a line!

Contact

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