Dear colleagues,

we are pleased to announce the next DZIF bioinformatics workshop: "Pipeline Programming and Linux Basics" http://www.bioinformatics-platform.dzif.de/?p=1477

The workshop will take place April 11-13 in Braunschweig (Germany) at the

BRICS – Braunschweig Integrated Centre of Systems Biology

https://www.tu-braunschweig.de/forschung/zentren/brics/kontaktanfahrt

Increasingly, physicians and biologists are facing large amounts of data, that can no longer be analysed „by hand". In many research fields bioinformatics contributes both general and specific algorithms implemented in software packages that simplify the interpretation of the data, or allow a deeper analysis.

Often, bioinformatics software lacks a user-friendly graphical interface. The success of programs such as BLAST or BWA shows, however, that this does not have to be an obstacle. While the use of command line tools at first sight might appear complicated, it provides excellent opportunities to automate repetitive tasks and analysis steps into pipelines.

The aim of the workshop „Pipeline Programming and Linux Basics" is to lay a foundation for this automated application of (bioinformatics) programs for the participants. Accordingly, not only interested biologists and physicians, but also biologically interested mathematicians or computer scientists from the DZIF partner institutions are invited to participate in a hands-on workshop, where they can create their own Pipelines.

The term „Linux Basics" in the title results from the close connection of bioinformatics software packages and the Linux operating system. Programs, which were published by researchers in bioinformatics, are often provided with an open source license, or can be used for free by academic users. To install and use such open source programs, compilers or interpreters of various programming languages are usually required. These are often exclusively available on Linux systems.

To aid participants unfamiliar with Linux, we will introduce relevant concepts of the Linux operating system and teach practical tips and tricks for efficient use in a bioinformatics context.

The course is free of charge, and computing equipment will be provided, but students are responsible for arranging travel and accomodation.

**Registration: Send an email to bioinformatics@dzif.de**

Please include DZIF_LINUXSHELL_0418 in the subject line and state your DZIF site and TTU/TI affiliation in the email body.

Best,

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Andreas Bremges, manager
DZIF, TI Bioinformatics