

ForBio: Introduction to bioinformatics for biosystematics

NB: Preliminary program, September (14-)16 – 20

Place: The auditorium at the Botanical Museum (*Lids' Hus*), Natural History Museum, Oslo. Map: <http://goo.gl/maps/nTYI7>

The days are split in morning (09:00 – 12.30) and afternoon (13:30 – 17:00) sessions with coffee breaks every now and then :)

Teachers: Hans Henrik Fuxelius (HHF; hfuxelius@gmail.com), Johan Nylander (JN; johan.nylander@nrm.se), Magnus Popp (MP; magnus.popp@nhm.uio.no)

Saturday 14/9 (for participants who signed up for Introduction to GNU/Linux and Bash)

Computer setup. Installing an Ubuntu-based distribution (provided by HHF at the course start) on all Windows machines, ensuring that all Mac and Linux machines have all necessary software installed (HHF, JN, MP).

UNIX/Linux – introducing the computational platform (JN, HHF)

Sunday 15/9 (for participants who signed up for Introduction to GNU/Linux and Bash)

Bash programming (JN, HHF)

(Slightly more-) Advanced Bash programming (JN, HHF)

Monday 16/9

Welcome and introduction to the course (MP)

Introduction to bioinformatics (JN)

Python – Introduction to Python (HHF)

Tuesday 17/9

Python – Python standard libraries (HHF)

Wednesday 18/9

Python – Python libraries for bioinformatics, BioPython (HHF)

Thursday 19/9

SQL – Introduction to SQL (HHF)

SQL – SQL and Python interaction (HHF)

Friday 20/9

R – Introduction to the R statistical programming language (JN)

R – Data exploration using R, SQL, Python (HHF, JN)