INTRODUCTION TO BIOINFORMATICS KB7004 (2017)

Teachers: *Arne Elofsson (arne@bioinfo.se)*
Guest-lectures: *Ilya Vaksel, Gunnar von Heijne, Petras Kundrotas, Joanna Slusky*
Assistants: *Marco Salvatore, Karolis Uziela, John Lamb, David Menendez-Hurtado, Mirco Michel.*
Hashtag: *#kb7004*
Mailing-list: *kb7004-vt2017@googlegroups.com*
Homepage: *https://bioinfo.se/courses/introduction-to-bioinformatics*
Lectures: *Here in Magnelie Hall*
Computer room: *A244*
General Schedule: *Lectures: 13:00-15:00 Labs 09:00-12:00 or 15:00-18:00 (two groups)*

IMPORTANT INFORMATION

- Homepage: make account

- Computer room

- Due to personal issues, rapid changes in the schedule might occur.

- For communication primarily use the mailing list (I will Cc all replies there so that all information reaches everyone).

LECTURES – SEE HOMEPAGE

- One page for each lecture:

  - View the lecture videos (the one marked 2017) **before** the lecture. Older lectures also available for your convenience.

  - Post questions in the commentary field

  - Lecture time will be used to discuss these questions.

  - **No questions - no lecture.**

  - Discussion will be made available on the youtube channel.

- Guest lectures and workshop are not available online.

- Reading material:

  - Mandatory reading and extra reading.

    - Mandatory is sufficient to pass the course

    - Extra is needed for higher grades.

  - Make sure you read all the material **before** the lecture.

LABS

- Two groups. Please try to stick to your group as the number of computers is limited.

- All assignments are written in a separate file and mailed to the assistant using the email link on the lab page.

- Two types:

  - Programming (Python and Unix)

  - Bioinformatics (both command line and web based)

- Rules and grading

  - Maximum two returns

  - Full credit if complete at first trial and submitted within 72 hours of the date of the lab. Later or returns decreased the credits.

- Plagiarism

  - No copying at all of others work is allowed. All reports are checked automatically.

  - Please go through http://www.bi.hik.se/Refero_eng/1intro.php

PAPER PRESENTATION

- You will be given a scientific paper that you should read and present in front of the other students towards the end of the course.

- The oral presentation has to be given to pass the course.

- It is mandatory to listen to the presentation of the others.

- Questions from any of the papers might occur on the exam.

- In extreme emergency (sickness) a written report can be handed in.

- To pass the course you need to

    - Pass the exam

    - Pass all labs

    - Make a presentation of a paper.

- Grades

    - 10% on the programming labs

    - 10% on the bioinformatics labs

    - 80% on the written exam.

- To pass the course you need to have at least 40% on the exam and 50% in total. All labs need to be passed.

PRACTICALITIES 2

➤ Card, Pick up at the secretaries tomorrow (or later)

➤ Computer account will be given to you during the first lab.

➤ Computer room is on 2'nd floor (room 244), assistants will show you after the lecture.