Introduction to project

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Information on course

We are now mid-way of the course. Don’t dispear if you have not understood all the concepts from the course. The last few lectures have been quite theoretical and therefore more challenging. We will now spend time both in the computer labs, keyword sessions and the project to take that theoretical knowledge into a more practical use.

Remember to revise the lecture material and ask questions both in the lectures, labs and keyword sessions!

Teachers and TAs are here to help!

Information on course

11:15 - 12:00		MasBioinf1 X4.3	Molecular Evolution	Lärosal 4 och 5, 18:01011, EBC	Lecture	Arild Husby		Map
Thu 2020-02-13								
10:15 - 13:00		MasBioinf1 X4.3	Molecular Evolution	Disketten, EBC Hubben, EBC Musen, EBC	Compulsory Computer lab	Erik Gudmunds Madeline Chase Mercè Montoliu Nerin Philipp Kaufmann		Map Map
Fri 2020-02-14								
09:15 - 12:00		MasBioinf1 X4.3	Molecular Evolution		Project			
Mon 2020-02-17								
13:15 - 15:00		MasBioinf1 X4.3	Molecular Evolution	Lindahlsalen, 05:01058, EBC	Lecture	Carina Farah Mugal		Map
Tue 2020-02-18								
09:15 - 12:00		MasBioinf1 X4.3	Molecular Evolution		Project			
Wed 2020-02-19								
13:15 - 15:00		MasBioinf1 X4.3	Molecular Evolution	Lärosal 6, 18:01021, EBC	Lecture	Elina Immonen		Map
Thu 2020-02-20								
09:15 - 12:00		MasBioinf1 X4.3	Molecular Evolution		Project			
Fri 2020-02-21								
13:15 - 15:00		MasBioinf1 X4.3	Molecular Evolution	Grupprum 3, EBC Grupprum 4, EBC Lärosal 1, 15:00025, EBC	Group work	Erik Gudmunds Madeline Chase Mercè Montoliu Nerin Philipp Kaufmann	Keywords session	Map Map Map
Tue 2020-02-25								
10:15 - 15:00		MasBioinf1 X4.3	Molecular Evolution	Hubben, EBC Musen, EBC	Compulsory Computer lab	Erik Gudmunds Madeline Chase Mercè Montoliu Nerin		Map

Any questions/comments related to course?

Don´t forget that on the 16th March between 10.15 -12 there will be a Q&A session.

Come prepared with questions for this session to get the most out of it!

Exam is the following day between 08-13 (NOT 08-17 as it says in TimeEdit).

I will come around in the morning of the exam, around 09 to answer questions you may have.

Project work

- Individual work
- Analyse a dataset and write a short report (**max 2 A4 pages**; excluding code which will be supplementary material)
- Scheduled work for this on TimeEdit (~19 hours)
- Will count 1hp, again need to pass this element in order to pass course
- Points given with similar criteria as for computer labs (i.e. adds 0,1 or 2 course points)

Project work

- Briefly, each student get a unique gene for which you need to obtain orthologues from different species and test for signs of selection using methods learnt in course
- More specifically, the computer lab tomorrow will go through the methods needed to complete the project, i.e. don’t miss it.
- Information on gene name available at Studentportalen

Aims for the project

- Practise the use of online databases for obtaining genetic data
- Get hands-on experience with analysing a genetic dataset you have curated yourself
- Implement statistical tests for selection used in the course and on the labs
- Practise synthesising and describing results from a research project

Project report

Deadline to hand in 10th March 23.59! (Hard deadline; no hand-in by deadline --> project work failed → course failed.)

MAX two pages A4 for the report itself. Include annotated code as supplementary material

Suggested structure of report (“mini paper”)

Introduction
Methods
Results
Discussion
Conclusion

If problems…

Regarding the project / computer labs --> madeline.chase@ebc.uu.se

Regarding other aspects of the course --> arild.husby@ebc.uu.se