

5 -6

Supervisor: Jotun Hein

Professor Jotun Hein can offer up to two Part C projects: he has a whole list of possible projects on a wide variety of topics at <http://www.stats.ox.ac.uk/genome/projects>

and many of these would be possible as Part C projects.

They range in flavour from theoretical projects, and projects involving data analysis, to projects involving programming. If you are interested in any of these projects other than the two given below, you are encouraged to contact Professor Hein ( [hein@stats.ox.ac.uk](mailto:hein@stats.ox.ac.uk) ) to discuss the project(s) that you are interested in. In some cases the prerequisite for doing a project may be some experience of programming or at least a willingness to learn, so please take this into account when giving your project preferences.

If you do want to indicate a preference for one or more of the projects from Professor Hein's list, that is fine, please indicate clearly which project(s) and please also indicate whether you have discussed the possibility with him.

The two projects that he suggested for inclusion here are:

Project 5: **Evolving Biological Grammars** – see [http://www.stats.ox.ac.uk/\\_data/assets/file/0017/3338/evolving\\_grammars.pdf](http://www.stats.ox.ac.uk/_data/assets/file/0017/3338/evolving_grammars.pdf)

for details on this project about models of biological grammar evolution and biosequence applications.

Project 6: **Fine Scale Regulatory Annotation of a Gene** – see [http://www.stats.ox.ac.uk/\\_data/assets/file/0003/3477/regulatory\\_annotation.pdf](http://www.stats.ox.ac.uk/_data/assets/file/0003/3477/regulatory_annotation.pdf)

for details on this project.