

Professor Jotun Hein and the Bioinformatics group in the Department of Statistics are looking for two student assistants from statistics or computer science to work on informal collaborations in the field of bioinformatics. The primary focus of the projects will be the analysis of DNA sequence variation, with the projects working on a flexible, part-time basis over an extended period of time. Topics would be related to the development and analysis of algorithms, software development, and analysis of real data. Since these tasks involves both computing and understanding of stochastic modelling, the optimal combination is a computer scientist working with a statistician. However, a mathematician with interest in modelling or probability could also be good candidate.

These projects present an excellent introduction to Bioinformatics, a field of growing importance in the biological and medical sciences, where many algorithmic, stochastic modelling and inference problems have appeared in recent years. For more information about Professor Hein's research, see www.stats.ox.ac.uk/~hein.