

A **post doc position** is available to work in the research group of Kasper Munch at the Bioinformatics Research Centre at Aarhus University on the evolution and genomic control of recombination rate. The position is funded by the Danish National Research Council for Independent Research. We recently published a method that infers recombination maps in ancestral species. This new line of research offers great promise for a detailed understanding of how recombination is controlled by the genome and how the mechanisms of this control evolve. By comparing recombination maps for all living and ancestral species in the great ape species tree, the candidate will work in close collaboration with me on research questions such as:

- * What is the role of positive selection in the evolution of recombination landscapes across the species tree?
- * Which changes in genomic sequence features trigger change in fine and broad-scale recombination rate along branches of the species tree?
- * What is the isolated effect of chromosomal rearrangements on recombination rate in the affected region?

A PhD degree and strong expertise in statistical analysis and population genetics is essential. Analyses will require programming skills and familiarity with high performance computing. The position is initially for 1 year with extension for 1 additional year on mutual agreement. The starting salary depends on qualifications but is typically in the range of EUR 59,000-65,000 per annum, and taxation is often strongly reduced for applicants, which have not lived and worked in Denmark for the past 3 years. The working environment is the Bioinformatics Research Center (www.birc.au.dk), which

has a strong emphasis on evolutionary analyses and includes the research groups of Drs Mikkel Heide Schierup, Thomas Mailund, Thomas Bataillon and Asger Hobolth with whom there are extensive collaborations. Informal inquiries are encouraged and should be sent to Kasper Munch at

kaspermunch@birc.au.dk

. The application with CV, list of publications and names of three referees should also be sent to

kaspermunch@birc.au.dk

before Aug 15

. Starting date is negotiable, but the position is available immediately. Kasper Munch, Bioinformatics Research Center, Aarhus University, CF Mollers Alle Building 1110, 8000 Aarhus C, Denmark Office phone:

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<https://kaspermunch.wordpress.com>