Researcher position in evolutionary biology and genomics A one year position as researcher is available at the Centre for Biodiversity Dynamics (CBD), Department of Biology, NTNU. CBD is a Norwegian Centre of Excellence.

The aim of the project is to examine ecological adaptation on the molecular genetic level by using an association mapping approach to identify the genomic regions, and, ultimately, the causative mutations, that code for important ecological traits. This will be achieved using state-of-the-art high density Single Nucleotide Polymorphism (SNP) genotype data. Such data is already available for 2300 individuals genotyped on a 10k SNP array, and additional data on >3000 individuals genotyped on a 200k SNP array will be available early 2015. The genotyped individuals are from a long-term study of insular house sparrow populations at the coast of Norway with extensive pedigrees and long-term individual-level data on phenotypic trait values and fitness. Hence, this project will provide insights into the molecular genetic basis of trait variation in natural populations. Furthermore, the goal is to understand how population size affects short-term rates of evolutionary change, by examining how population size affects strength and direction of selection, levels of additive genetic variance, and observed rates of change at the molecular genetic level. The successful candidate will have the possibility to develop his/her own ideas to approach the above issues, including opportunities for fieldwork and laboratory work. The work of the successful candidate will be carried out within the research group of Associate Professor Henrik Jensen at the Centre for Biodiversity Dynamics, NTNU. The candidate will be based at CBD. The working language is English. Information about the Centre for Biodiversity Dynamics can be found here: www.ntnu.edu/cbd . For further information about the position please contact Associate Professor Henrik Jensen (Henrik.Jensen@ntnu.no) or Professor Bernt-Erik [UTF-8?]SÄĽther (Bernt.Erik.Sather@ntnu.no). Required qualifications and personal qualities Candidates must hold a PhD in biology and be able to document expertise in evolutionary biology, quantitative genetics, population genetics and/or genomics. Experience with handling data from next-generation sequencing and/or high-density SNP genotyping techniques and statistical analyses of such data are desired. Strong computational and quantitative skills are advantageous. The successful candidate must be able to work efficiently and goal-oriented both when working independently and when collaborating with others. We are looking for a highly motivated and enthusiastic candidate. What we offer We can offer an exciting research project with focus on fundamental questions in evolutionary biology using state-of-the-art molecular genetic analyses. The researcher will carry out scientifically challenging research with good opportunities for development of his/her expertise. The successful candidate will benefit from a good working environment and the expertise of members in our research group, which currently consists of an Associate professor, two postdoctoral researchers, one PhD-student, three MSc-students and a laboratory technician. We collaborate with leading research groups both in Norway and abroad, and visits at these will be possible. The successful candidate should start no later than 1st January 2015. The appointment of the researcher will be made according to Norwegian guidelines for universities and university colleges and to the general regulations regarding university employees. NTNU has a personnel policy objective that the staff must reflect the composition of the population to the greatest possible extent. The position

is remunerated according to the Norwegian State salary scale, and you will have the benefits of being included in the pension scheme of the Norwegian Public Service Pension Fund. Application The application with CV, pdfs of publications, reference letters, academic records and relevant certificates must be submitted electronically through
www.jobbnorge.no/en
(Jobbnorge-ID: 106334). Applications submitted elsewhere will not be considered. The reference number of the position is: NT 73/14
Deadline for applying: October 20th 2014

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