

PhD Studentship in Transcriptomics/Functional Genomics (INRA, France)

A three year PhD position is available within the "Bovine Genetics and Genomics" team, at the Animal Genetics and Integrative Biology (GABI) Research Unit from the French National Institute of Agricultural Research (INRA).

The PhD project is part of a collaborative project between the Animal Molecular Genetics Research Unit (INRA/University of Limoges) in Limoges, the GABI INRA Research Unit in Jouy-en-Josas, near Paris and three different Hungarian research institutes in Debrecen, Pecs and Godollo.

The aim of this project is to identify bovine single nucleotide polymorphisms (SNPs) that alter the regulation of gene expression and that have an impact on phenotypes of interest in dairy and beef cattle. This project will have two main parts. In the first phase, bovine SNPs potentially altering the regulation of gene expression will be identified and validated. In the second phase, the regulatory functions of a subset of these SNPs will be tested using different experimental approaches including transcriptomics.

In addition to research training in molecular and cell biology, next generation sequencing and genotyping technologies and computational biology, the successful candidate will be encouraged to participate in training opportunities offered by INRA and the University of Limoges.

Applicants should have a higher degree in the following or related subjects: genetics, molecular biology or computational biology. Candidates must be enthusiastic and self-motivated. The stipend is €16,200 per annum. The student will be primarily based within the "Bovine Genetics and Genomics" team (GABI Research Unit, Jouy-en-Josas) but the PhD project will start at the Molecular Animal Genetics Research Unit (Limoges). Collaborative work and trips to Hungary are also planned.

The closing date for applications is 30th June 2010. Interested candidates should forward a letter of interest and CV including the names and contact details of at least two referees to **dominique.rocha@unilim.fr**.

