Research Engineer position in Biostatistics with skills in OMICS techniques

Background: The research in which the successful candidate will be involved is related to horse doping control activities through the development of OMICS techniques based on metabolome studies in order to improve the control of illegal use of doping agents.

The main objectives of this work will be to perform LC-HRMS metabolite profiles obtained from control and treated horses and to develop bioinformatics tools for extracting and analyzing relevant biomarkers, specific of a doping agent administration. Therefore, he/she will actively contribute to the setting up LC-HRMS data acquisition, raw data processing and data analysis by different statistical tools. The candidate may also participate to various scientific projects aimed to improve the equine doping control.

Environment: The position will take place at L.C.H., the French horse doping control laboratory, located at Verrières le Buisson (91370, France). The equipment is mainly composed of mass spectrometers coupled with liquid chromatography: 2 LC-LTQ, 1 LC-QqQ, 1 Q-TOF. These advanced technologies allow detection of prohibited substances with high sensitivity, specificity and reliability.

Candidate profile: Engineer and/or PhD in Biostatistics (replacement of maternity leave).

Furthermore, abilities in mass spectrometry, metabolomics, and statistical analysis are expected. Practical experience in the use of bio-informatics software such as XCMS and SIMCA-P+ will be advantageous as well as basic background knowledge in analytical chemistry and/or biochemistry.

The candidate should have good French oral and written communication skills, be autonomous and ready to work in a team composed of technicians and engineers.

The position will begin in January 2011 for 4-5 months.
The salary is approximately 2200 Euros/month net of health and social contributions, and income tax.

Contact: Please e-mail a complete CV, cover letter and the names and contact information of one reference to Dr Marie-Agnès Popot: ma.popot@lchfrance.fr; Dr Ludovic Bailly-Chouriberry: l.bailly@lchfrance.fr; Dr Fanny Boyard-Kieken: f.boyard@lchfrance.fr.

Candidates who are selected for a follow-up interview will be contacted.