



The Institute of Statistics, Biostatistics and Actuarial Sciences (ISBA) of the Université catholique de Louvain (UCL), Louvain-la-Neuve, Belgium, has vacancies for three fulltime

Postdoc positions

Job description

The job description depends on the project that will finance the position :

- *Position 1* : Preference will be given to candidates with interest and experience in areas that are close to the research done at ISBA. This includes (among others) the following topics :
 - The study of associations and dependencies in complex systems
 - The study of different dynamics in complex systems
 - Multivariate modeling and hierarchically structured data
 - Dynamics of a stochastic system and the impact of non-observed characteristics
 - Variable and model selection and the study of (ultra-)high dimensional data
 - Stochastic processes and mathematical finance
- *Position 2* : Preference will be given to candidates with interest and experience in survival analysis, and in particular in ‘Semiparametric Inference for Survival and Cure Models’. The candidate will work in a large research group in this area, including 5 academic members and a number of PhD students and postdocs. The research group works on a variety of research questions in survival analysis, ranging from theoretical to more applied problems, and using both Bayesian and frequentist approaches.
- *Position 3* : Preference will be given to candidates with interest and experience in one of the following topics :
 - Time series analysis
 - Risk theory
 - Extreme value analysis
 - Dependence modelling via copulas

The candidate will work in a mixed research group consisting of 4 academic members together with their PhD students and postdocs. Areas of applications include not only finance and insurance but also environmental sciences and signal processing.

For all three positions, the candidate will also be involved on a small scale into some teaching activities of the institute.

Job requirements

PhD in (bio)statistics or a related discipline.

Good knowledge of written and spoken English is required. No proper knowledge of French is required.

Terms of employment

A grant or contract of 1 year (possibly renewable under certain conditions).

Research environment

The Institute of Statistics, Biostatistics and Actuarial Sciences (ISBA, <http://www.uclouvain.be/isba>) is a renowned research centre of high international reputation which offers a very stimulating working environment. At the ISBA there are around 30 pre- and postdoctoral researchers working under the supervision of 10 full-time professors, in a variety of fields of methodological and applied statistics, including biostatistics and actuarial sciences. They are integrated into the Graduate School in Statistics and Actuarial Sciences which offers them an up-to-date training in their field via regular seminar series, short courses and workshops, all in English and often given by international short and long-term visitors. ISBA is also part of a large international research network. It has numerous academic contacts, including those to neighboring fields (medicine, agronomy, social science, economy, finance and engineering) as well as collaborations with industry.

Information

For further information, please contact Prof. I. Van Keilegom (ingrid.vankeilegom@uclouvain.be) for position 1 and 2, and Prof. J. Segers for position 3. For administrative questions or for more information regarding the application procedure please contact Mrs. N. Guillaume (nancy.guillaume@uclouvain.be).

Application

Please send the following documents to Mrs. N. Guillaume (nancy.guillaume@uclouvain.be):

- a letter of motivation
- your curriculum vitae
- a list of passed courses and grades
- a list of publications
- copy of diplomas
- at least one reference letter to be sent by email directly by the referee

The closing date for application is **31 May 2015** (applications received after 31 May will be considered as they arrive, until the position is filled). Only duly completed applications can be taken into account.

Starting date

1 September 2015, or at another date to be agreed by all parties.