

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

## **Postdoc position**

### **Inference and prediction for Survival and Cure Models.**

#### **Job description**

Preference will be given to candidates with interest and experience in survival analysis. The candidate will work in a large research group in this area. The research group works on a variety of research questions in survival analysis, ranging from theoretical to more applied problems with focuses on the development of novel statistical methods for predictions and inference.

The candidate will work with Prof. Anouar El Ghouch and Prof. Ingrid Van Keilegom. The candidate will also be involved on a small scale into some teaching activities of the institute.

#### **Job requirements**

- PhD in (Bio)statistics or applied mathematics or data science with a relevant experience in survival analysis from both the theoretical and applied aspects.
- At least two papers published (or submitted for publication) in peer-reviewed international scientific journals within the field.
- Good knowledge of written and spoken English is required. No proper knowledge of French is required.
- Excellent knowledge in R programming and simulations.
- Ability to work independently and take initiatives.

#### **Terms of employment**

A grant or contract of 1 year.

#### **Research environment**

The Institute of Statistics, Biostatistics and Actuarial Sciences (ISBA, <https://uclouvain.be/en/research-institutes/immaq/isba>) is a renowned research centre of high international reputation which offers a very stimulating working environment. At the ISBA there

are around 25 pre- and postdoctoral researchers working under the supervision of 9 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 has numerous academic contacts, including those to neighboring fields (medicine, agronomy, social science, economy, finance and engineering) as well as collaborations with industry. It is placed in the heart of a modern, vivid and international university campus, in close proximity of Brussels and its international airport, and in short travel distance to other European capitals.

### **Information**

For further information, please contact

- Prof. A. El Ghouch (anouar.elghouch@uclouvain.be)
- Prof. I. Van Keilegom (ingrid.vankeilegom@kuleuven.be)

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, clearly mentioning the area of research in which you are interested.
- your curriculum vitae.
- your publications including your PhD dissertation.
- copy of diplomas.
- at least one reference letter to be sent by email directly by the referee.

The closing date for application is **1 December 2018** (applications received after 1 December will be considered as they arrive, until the position is filled). Only duly completed applications can be taken into account.

### **Starting date**

At the latest on 1 January 2019.