

# Postdoctoral Fellowships

## First call for Applications

The Interuniversity Attraction Pole (IAP) research network in Statistics concerns an international research project on ‘Statistical Analysis of Association and Dependence in Complex Data’, which involves eight institutions: Université catholique de Louvain (UCL), Belgium; Katholieke Universiteit Leuven (KUL), Belgium; Universiteit Hasselt (UH), Belgium; Universiteit Gent (UG), Belgium; Université Joseph Fourier (UJF), Grenoble, France; Universiteit Utrecht (UU), Netherlands; Universidad de Santiago de Compostela (USC), Spain; and London School of Hygiene and Tropical Medicine (LSHTM), U.K. The coordination of the network is done by the UCL-partner.

The IAP-project is organized around five work packages: Multivariate data with qualitative constraints, Temporally and spatially related data, Incomplete data, Data with latent heterogeneity, and Highdimensional and compound data. Cross-links between these work packages are a crucial feature of the network. The network aims also at stimulating the training and mobility of young researchers in the area.

The postdoctoral fellowships are meant for holders of a PhD degree who want to participate in the network to broaden their statistical knowledge and to explore new research areas. The possibility exists of spending the allocated time at several institutions while continuing to work on the same or related problems with several members of the network. The positions are also open for non-European citizens.

Overview of the available fellowships:

Institution(s)	Theme	Interactions with
UCL	Non- and semiparametric smoothing techniques	UH, KUL, USC, UU
KUL (math.)	- Flexible smoothing and regularization - Goodness-of-fit tests for copulas	UJF or UCL, UH
KUL (psych.)	Mixture models within the framework of applications in bio-informatics	KUL (biostat.), UJF
UH, UCL	Censored data problems	KUL (math.), UG

Appointments are in principle for one year initially, but depending on the qualifications of the applicant, they can possibly be at once for 2 or 3 years. In any case, extension of the appointment is possible in case of positive evaluation.

For more information on the network and the specific research interests of the involved institutions see the website of the network:

<http://www.stat.ucl.ac.be/IAP/PhaseVI>.

For more detailed information on the positions, please contact the promoters of the network:

- L. Simar and I. Van Keilegom (UCL, Institute of Statistics), [simar@stat.ucl.ac.be](mailto:simar@stat.ucl.ac.be) and [vankeilegom@stat.ucl.ac.be](mailto:vankeilegom@stat.ucl.ac.be)
- I. Van Mechelen (KUL, Psychometrics research group), [Iven.VanMechelen@psy.kuleuven.be](mailto:Iven.VanMechelen@psy.kuleuven.be)
- I. Gijbels (KUL, Department of Mathematics), [irene.gijbels@wis.kuleuven.be](mailto:irene.gijbels@wis.kuleuven.be)
- E. Lesaffre (KUL, Biostatistical Centre), [emmanuel.lesaffre@med.kuleuven.be](mailto:emmanuel.lesaffre@med.kuleuven.be)
- L. Duchateau (UH, Department of Biometrics), [Luc.Duchateau@UGent.be](mailto:Luc.Duchateau@UGent.be)
- N. Veraverbeke (UH, Center for Statistics), [noel.veraverbeke@uhasselt.be](mailto:noel.veraverbeke@uhasselt.be)
- A. Antoniadis (UJF, Laboratoire de Modélisation et de Calcul), [Anestis.Antoniadis@imag.fr](mailto:Anestis.Antoniadis@imag.fr)
- P. Eilers (UU, Faculty of Social and Behavioural Sciences), [p.h.c.eilers@fss.uu.nl](mailto:p.h.c.eilers@fss.uu.nl)
- W. González Manteiga (USC, Department of Statistics and OR), [wenceslao@usc.es](mailto:wenceslao@usc.es)
- M. Kenward (LSHTM, Department of Epidemiology and Population Health), [Mike.Kenward@lshtm.ac.uk](mailto:Mike.Kenward@lshtm.ac.uk)

Please send your application letter, indicating clearly your preference regarding research topics and affiliation(s), with two letters of recommendation to Ms Christine Denayer, Head of the administration, Institute of Statistics, Université catholique de Louvain, Voie du Roman Pays 20, B-1348 Louvain-la-Neuve, Belgium; E-mail: [denayer@stat.ucl.ac.be](mailto:denayer@stat.ucl.ac.be), Fax: +32-10-473032.

The starting date of the positions is Fall 2007 (or later, depending on the preference of the candidate). The deadline for application is August 15, 2007.