The Collaborative Research Centre (CRC) 1283 "Taming uncertainty and profiting from randomness and low regularity in analysis, stochastics and their applications" has the following job opening in its project B1:

Research Position (Postdoc)

The research of Project B1 "New trends in stochastic partial differential equations" is structured in the following five parts:

1. Path distribution dependent stochastic partial differential equations (SPDEs) and probabilistic representation for stochastic nonlinear Fokker-Planck-Kolmogorov equations (FPKEs)
2. Nonuniqueness versus restricted uniqueness in law for SPDEs and their pathwise uniqueness via low order regularity for the corresponding Kolmogorov operators
3. Singular SPDEs
4. Rescaling transformation and optimal control for SPDEs and stochastic variational inequalities (SVIs)
5. Supercritical stochastic differential equations (SDEs)

For further information see: [https://www.sfb1283.uni-bielefeld.de](https://www.sfb1283.uni-bielefeld.de)

Your Tasks

- research work in Project B1, in particular on the interfaces to Project Area C of the CRC 1283 (95%)
- teaching on a voluntary basis for own qualification (5%)

Employment is conductive to scientific qualification.

Your Profile

We expect

- scientific university degree in Mathematics or in a related subject
- PhD in Mathematics
- knowledge and publications in stochastic analysis
- knowledge on Fokker-Planck-Kolmogorov equations
- experience in applying the above mentioned mathematical areas, in particular in theoretical economics
- independent, self-reliant and dedicated style of work

We offer

- salary according to Remuneration level 13 TV-L
- fixed-term (limited until 30.06.2025) (§ 2 (1)
sentence 2 of the WissZeitVG; in accordance with the provisions of the WissZeitVG and the Agreement on Satisfactory Conditions of Employment, the length of contract may differ in individual cases)

- fulltime
- internal and external training opportunities
- variety of health, consulting and prevention services
- reconcilability of family and work
- flexible working hours
- job ticket for regional public transport network, good transport connection
- supplementary company pension
- collegial working environment
- open and pleasant working atmosphere
- exciting, varied tasks
- modern work environment with digital processes
- various offers (canteen, cafeteria, restaurants, Uni-Shop, ATM, etc.)

Application Procedure

We are looking forward to receiving your application (CV, PhD certificate, list of publication, research statement). For full consideration, your application should be received via either email (a single PDF document is required) sent to abaum@math.uni-bielefeld.de or post (see postal address). Please mark your application with the identification code: Wiss22841. Please note that the possibility of privacy breaches and unauthorized access by third parties cannot be excluded when communicating via unencrypted e-mail. For Information on the processing of personal data click here.

application deadline: 09.01.2023

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Bielefeld University has received a number of awards for its achievements as an equal-opportunity employer and has been recognized as a family-friendly university. The university welcomes applications from women. This is particularly true with regard both to academic and technical posts as well as positions in information technology as well as the skilled crafts and trades. Applications are handled according to the provisions of the state statutes on equal opportunity. Applications from suitably qualified handicapped and severely handicapped persons are explicitly encouraged.

At Bielefeld University on request positions can be carried out with reduced working hours as long as this does not conflict with official needs.