

# Job posting

## Type of position



scientific



administrative

## Target group



graduates



post docs



other

## Title

PhD Position/Research Associate (m/f/d)

*(part-time; 28,875 hours/week; limited for 3 years)*

## Institution

Jacobs University is a private, state-accredited, English-language research university in Bremen. We are offering Bachelor, Master or PhD programs in three focus areas: Health, Mobility and Diversity. Our principles are first class research and teaching, international diversity and transdisciplinary cooperation. As an international university we attract highly talented and open-minded students from all over the world. Currently, approximately 1,500 students from 110 nations live and study on our residential campus.

## Position

Responsibilities include scientific research within the project 'Testing race models for the stop signal task: the copula approach' funded by DFG (German Science Foundation) and jointly awarded to Prof. Diederich (JUB) and Prof. Colonius (Carl von Ossietzky University Oldenburg).

The stop signal paradigm is the dominant tool for investigating response inhibition in both behavioral and neurophysiological settings. The aim of this project is to investigate quantitative models for this paradigm via statistical analysis and simulation, drawing upon methods from recent developments in the statistical theory of copulas. The successful candidate will support the team in developing a statistical toolbox for simulating and testing race models for the stop signal task.

## Requirements

- University degree (Master or Diploma) in Psychology, Statistics, or Mathematics
- Basic knowledge of quantitative/formal modeling
- Background knowledge in the theory of copulas is advantageous
- Very good programming skills (R, MatLab, Mathematica)
- Good command of English, both in written and oral communication
- Ability to work independently and in a team

**We offer**

- The result counts: trust working hours for work-life balance
- Individual induction, promotion and development planning
- Free, extensive sports and health offers (currently under restrictions due to COVID 19)
- Green campus with recreation areas
- Jacobs University has extensive programs on sustainability, environmental sustainability, equal opportunities and high ethical values Please enter here information on the application procedure

If you enjoy a dynamic international working environment and like to work in a highly motivated and friendly team, you are exactly right with us! You can expect an open corporate culture with flat hierarchies as well as interesting and challenging tasks. During your induction, you will be optimally prepared for your area of responsibility.

**Application procedure (deadline etc.)**

For further information regarding this position, please contact Prof. Dr. Adele Diederich, via email ([a.diederich@jacobs-university.de](mailto:a.diederich@jacobs-university.de)) or see <http://adiederich.user.jacobs-university.de> and <https://uol.de/en/hans-colonius>.

Please upload your relevant documents with details of your availability via our website [here](#).

The screening of the incoming applications begins immediately and ends with the occupation of the vacancy.

Jacobs University offers full equality of opportunity to all qualified applications.