



## PhD position (wiss. Mitarbeiter/in; TV-L E13, 50%) in an eye tracking project on human action control

*Have you ever found your eyes drift towards the spot at which the feedback that your e-mail has successfully been sent usually appears while still pressing the "send" button? Are you puzzled and intrigued by such situations and would like to find out more about them?*

The Cognition, Action, and Sustainability Unit (Abteilung Allgemeine Psychologie; Prof. Dr. Andrea Kiesel) of the University of Freiburg is looking for a

### PhD student, part-time position (TV-L E13, 50%), no teaching load, 3 years

start date: **01.02.2019 or later** (start date flexible)

application deadline: 02.12.2018

in the eye tracking project „**Learning to Expect the Future: Anticipatory saccades relate monitoring and associative learning processes**“ for an initial 3 year appointment.

The project will assess anticipatory eye movements that humans perform towards the locations at which they expect the future consequences of their actions to occur. We will examine relations between associative learning (action–consequence) and the monitoring of expected action consequences reflected in such anticipatory eye movements. The PhD student will conduct a series of eye tracking studies. Additional individual projects are possible and are supported. To get an idea about the project, you can have a look at: Pfeuffer, C. U., Kiesel, A., & Huestegge, L. (2016). A look into the future: Spontaneous anticipatory saccades reflect processes of anticipatory action control. *Journal of Experimental Psychology: General*, 145, 1530-154.

The Cognition, Action, and Sustainability Unit researches goal-directed action and processes enabling successful action planning and execution. We focus on basic research in the domain of Cognitive Psychology, dealing with topics such as action control and cognitive control, self-organization, as well as associative learning in various contexts. In addition, the Cognition, Action, and Sustainability Unit conducts applied research on sustainable behavior. We apply a wide variety of methods collecting common behavioral response measures (reaction times, error rates, subjective ratings, etc.) as well as eye tracking, EEG, and movement data.

The PhD position is complementary to a current research focus on assessments of human action control via eye tracking. The PhD student will be included in regular laboratory meetings and colloquia and will have the chance to participate in the rich workshop programme of the Institute of Psychology as well as the University of Freiburg (e.g., workshops on research methods and soft skills). Furthermore, the PhD student will be supported in attending national as well as international conferences and workshops and will have access to our pool of research assistants.

### We are looking for

- a highly motivated and qualified student holding (or currently finishing) a M.Sc. or equivalent degree in Psychology, Cognitive Sciences, Neuroscience, Movement Sciences, Computer Sciences or a related field
- with enthusiasm for basic research in the domain of experimental Cognitive Psychology
- very good skills in methods and statistics
- very good English skills
- ideally with some experience in eye tracking research or analyzing other complex data sets

Applications will be received until **December 2nd, 2018**. Interviews with the most promising candidates are planned for mid-December and we are hoping to reach a decision before Christmas.

Please send your complete application in English (letter of motivation, CV, short summary of the master thesis, relevant certificates and transcripts of records) to Dr. Christina Pfeuffer ([christina.pfeuffer@psychologie.uni-freiburg.de](mailto:christina.pfeuffer@psychologie.uni-freiburg.de)).

We are happy to answer any questions you may have about the position. Please contact Dr. Christina Pfeuffer ([christina.pfeuffer@psychologie.uni-freiburg.de](mailto:christina.pfeuffer@psychologie.uni-freiburg.de)) for further information.

We are looking forward to your application!



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*Consider making the switch to the University of Freiburg: It is one of the most renowned and strongest research universities in Germany, with a history spanning more than 500 years. You'll engage in top-notch research and teaching with a unique spectrum of disciplines, perspectives, and people - right in the heart of one of Germany's most beautiful cities.*

*The University of Freiburg's human resources policy is oriented toward the principles of equal opportunity and diversity. The university is committed to the goal of creating a family-friendly university.*

*Freiburg is the largest city in the black forest recreational area and a lively university town located in the trinational area between Switzerland, France and Germany. The university has a high percentage of foreign researchers. The Cognition, Action, and Sustainability Unit is also part of one of the clusters of excellence at the University of Freiburg.*

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