Postdoc on Metacognitive Learning (m/f)

The newly established [Max Planck Research Group for Rationality Enhancement](), headed by Dr. Falk Lieder at the [Max Planck Institute for Intelligent Systems]() in Tübingen, Germany, is looking for a postdoc (m/f) for a project at the intersection of psychology and machine learning.

The project
Our mission is to lay the cognitive and technological foundations for helping people become more effective. The goal of this project is to understand and improve how people learn how to decide. You will combine process-tracing experiments with computational modeling to reverse-engineer the mechanisms of metacognitive learning. We will then validate the resulting theories by translating them into tools and interventions for helping people learn how to make better decisions.

What we are looking for
A successful postdoc candidate (m/f) should have a track record in experimental and computational research on decision-making, learning, or cognitive control. The ideal applicant (m/f) would have strong programming skills and be familiar with programming and running online experiments, reinforcement learning, decision science, and machine learning. Familiarity with cognitive training, intervention studies, probabilistic models of cognition, program induction, web/app development, and/or cognitive control would also be a plus.

The position
The postdoc position is full time (100%), on the German E13 or E14 pay scale of the Collective Wage Agreement for the Public Service, initially for one or two years (and can be extended longer).

The Max Planck Institute for Intelligent Systems
The Max Planck Research Group for Rationality Enhancement is part of the MPI for Intelligent Systems in Tübingen, Germany (http://is.tuebingen.mpg.de). The institute is a world-class center for foundational research in machine learning and related areas. We are part of the Cyber Valley Initiative that is bringing new research groups, professorships, and industry partners to Tübingen and Stuttgart. The majority of the institute's scientific employees come from outside of Germany. You will work among gifted students and experienced scientists from all over the world; and have access to excellent infrastructure, including several regular series of tutorials, lectures, journal clubs and invited talks by international

guests, as well as a large computer cluster, and dedicated full-time specialists. The working language at the institute is English.

Tübingen

Tübingen is a scenic medieval university town, cradled in what is simultaneously one of Germany's most beautiful landscapes one of Europe's most economically successful areas. Stuttgart airport is an hour by bus, Frankfurt airport can be reached in two hours by train. Most locals speak English and knowledge of German is not required to live here.

How to apply
To apply for the postdoc position, please email your CV, a cover letter describing your motivation, relevant skills and research experience, selected publications or transcripts and your thesis/theses to re-jobs@tuebingen.mpg.de and arrange for 2-3 reference letters to be sent to the same address. Please submit your application by November 30 if possible. If you have any questions about the project, our research group, or anything else, please do not hesitate to contact Falk Lieder.

The Max Planck Society is committed to increasing the number of individuals with disabilities in its workforce and therefore encourages applications from such qualified individuals. The Max Planck Society seeks to increase the number of women in those areas where they are underrepresented and therefore explicitly encourages women to apply.

Zertifikat seit 2006
audit berufundfamilie