



The **Research Unit 5159 “Resolving the prefrontal circuits of cognitive flexibility” (FOR5159)** is a joint venture of the University Medical Center Hamburg-Eppendorf (UKE), University of Freiburg, Central Institute of Mental Health Mannheim, Technical University of Munich (TUM), Tübingen University, Medical University of Vienna, and Goethe University Frankfurt. We offer up to **10 fully funded Ph.D. and postdoc positions** to highly motivated and talented scientists. The program will start on an individual basis between **November 1, 2021 and February 1, 2022**.

### We offer

- An outstanding international research environment at a prestigious and unique research cluster addressing the neural basis of cognitive flexibility in different mammalian species
- Excellent infrastructure for training and research by internationally recognized scientists in facilities with state-of-the-art technologies
- Projects that can be carried out in up to 9 participating research groups on following topics:
  - cognitive brain processes involved in numerical cognition in nonhuman primates at the University of Tübingen (Prof. Dr. Andreas Nieder)
  - development of cognitive flexibility at UKE (Prof. Dr. Ileana Hanganu-Opatz)
  - prefrontal activity within and across behavioral tasks at Goethe University Frankfurt (Dr. Torfi Sigurdsson)
  - prefrontal diversity for action control at University Freiburg (Prof. Dr. Ilka Diester) and intrinsic determinants of cognitive flexibility (Prof. Dr. Christian Leibold)
  - mechanisms of human cognitive flexibility at TUM (Prof. Dr. Simon Jacob)
  - neuro-dynamical principles of prefrontal processing at Central Institute of Mental Health Mannheim (Prof. Dr. Daniel Durstewitz)
- An interdisciplinary and structured Ph.D. program completely conducted in English
- An individual career mentoring program, mid-term lab exchanges between research groups of FOR5159, extensive methods courses and workshops
- Intensive support and guidance for international students in all administrative matters

### We are looking for

- Highly qualified and motivated students / postdoctoral researchers holding a MSc / PhD or equivalent degree in Neuroscience, Psychology, (Neuro)biology, Biomedical Sciences, or Biophysics or a related field
- Strong interest in Neuroscience, experience in animal physiology and neural data analysis, good communication skills, creative and independent thinking

### Further information

- Application period: **Sep 15 – Nov 30, 2021**
- Applications (CV, motivation letter, academic achievements, 2 references) should be sent to the administrative coordinator of FOR5159, Stefanie Rogat ([stefanie.rogat@zmnh.uni-hamburg.de](mailto:stefanie.rogat@zmnh.uni-hamburg.de))
- For further information about the program and projects, please contact the coordinator of FOR5159, Prof. Dr. Ileana Hanganu-Opatz ([hangop@zmnh.uni-hamburg.de](mailto:hangop@zmnh.uni-hamburg.de))