PROFESSORSHIP

Experimental Hadron Physics
Institute of Experimental Physics, Faculty of Physics and Astronomy
W2 with Tenure Track to W3
Application Deadline: September 15 | Link to application

Pure Mathematics
Floer-Professorship, Faculty of Mathematics
W3
Application Deadline: October 16 | Link to application

Applied Numerics
Faculty of Mathematics
W2
Application Deadline: October 16 | Link to application

Mathematical Statistics
Faculty of Mathematics
W3
Application Deadline: October 16 | Link to application

ADVANCED POSTDOCTORAL POSITIONS

Permanent Call

IT-Security (several openings)
Cluster of Excellence CASA
Disciplinary Background:
Computer Science, Cryptography, Electrical Engineering, Mathematics, Psychology
Details:
2 years, full-time, Jump-Start-Program | Application accepted all year around | Link to application
Call with Upcoming Deadline

Neuroscience, Psychology, Philosophy of Mind (5 positions)
Think@Ruhr Research Alliance

Potential Projects (link to proposals)
#1 Molecular signatures of synaptic functions related to cognition and memory
#2 Microcircuits of cognition
#3 Embedded cognition
#4 Adaptive behavior in computational system
#7 Tracking the engram of stressful and traumatic memories
#8 The burden of cognitive dysfunction in ataxias from mouse models to man
#10 How expectations are generated, maintained, & changed in the context of treatments
#12 Advanced methods in (high-field) MR imaging of cognitive processes

Details:
3 years, full-time | Application Deadline: September 18 | Link to application

POSTDOCTORAL POSITIONS

Permanent Calls

IT-Security (several openings)
Cluster of Excellence CASA
Disciplinary Background:
Computer Science, Cryptography, Electrical Engineering, Mathematics, Psychology
Details:
2 years, full-time, Jump-Start-Program | Application accepted all year around | Link to application

Solvation Science (several openings)
Cluster of Excellence RESOLV
Disciplinary Background:
Chemistry, Physics, Biochemistry, Chemical, Engineering, and alike
Details:
full-time | Application accepted all year around | Link to application

Computational/Theoretical Chemistry/Physics (several openings)
Center for Theoretical Chemistry
Keywords:
molecular dynamics/electronic structure, Link to techniques
Details:
full-time | Application accepted all year around | Link to application

see next page
Calls with Upcoming Deadlines

Physical Chemistry
Faculty of Chemistry and Biochemistry
Keywords: Microscopy/Spectroscopy, nano materials, bio sensors, biophotonics,
Details: 2 years, full-time | Application Deadline: September 15 | Link to application

Energy Plant Technology
Energy Systems and Energy Process Technology | Faculty of Mechanical Engineering
Keywords: Computational Fluid Dynamics, numerical modelling, energy conversion systems, fluid mechanics, C++
Details: 3 years, full-time | Application Deadline: September 9 | Link to application

Atomistic Characterization of Electrified Solid/Liquid Interfaces
Cluster of Excellence RESOLV
Background: computational/theoretical physics/chemistry/material science
Keywords: molecular dynamics/electronic structure theory and statistical physics
Details: 2 years, full-time | Application Deadline: October 15 | Link to application

Reasoning, Rationality and Science
Logic in Philosophy and Artificial Intelligence
Background: Philosophy, Computer Science, Mathematics
Keywords: deontic logics, proof theory, formal argumentation, logics of agency, formal specification of philosophical theories
Details: 3 years, full-time | Application Deadline: September 12 | Link to application

Plant Cell and Molecular Biology
Chair of Molecular Evolution of Plants of the Faculty of Biology and Biotechnology
Keywords: cell wall synthesis, mechanisms of glycosylation, advanced microscopy techniques
Details: 1 year, full-time | Application Deadline: September 19 | Link to application

see next page
**Neuroscience/Psychology**

ERC Advanced Grant “Avian Mind”

**Keywords:**
brain and cognition in birds, electrophysiological methods, optogenetics

**Details:**
3 years, full-time | Application Deadline: September 11 | [Link to application](#)

**Neuropsychology**

ERC Consolidator Grant “Neural mechanisms, functional roles and pathophysiological relevance of human grid cell-like representations”

**Keywords:**
cognitive neuroscience, neural basis of learning, fMRI with 3T and 7T, EEG, stimulus-specific memory traces

**Details:**
3 years, full-time | Application Deadline: September 11 | [Link to application](#)

For questions please reach out to research-career@rs.rub.de