

Join Our Research Team: Postdoctoral Fellowship on Neuroimaging for a new TUBITAK-funded Project: Brain mediators of recreational cannabis use and psychosis proneness: A neuroimaging and twin study of the vulnerability x stress model.

Brain Development and Psychosis Lab

National Magnetic Resonance Research Center (UMRAM) Aysel Sabuncu Brain Research Centre (ASBAM)

Department of Psychology, Bilkent University, Turkey

The Brain Development and Psychosis Lab at the National Magnetic Resonance Research Center (UMRAM) & Aysel Sabuncu Brain Research Centre (ASBAM) is excited to announce an exceptional opportunity for a Postdoctoral Fellowship on Neuroimaging for a newly funded TUBITAK Project: Brain mediators of recreational cannabis use and psychosis proneness: A neuroimaging and twin study of the vulnerability x stress model.

Our lab is dedicated to advancing the understanding of adolescent brain development, with a specific focus on the cognitive, environmental, neurobiological, and genetic factors influencing susceptibility to severe mental illnesses like psychosis and schizophrenia.

Position: Postdoctoral Fellowship on Neuroimaging

Location: Bilkent University, Ankara, Turkey

Duration: 36 months (renewable, subject to securing further funding)

Qualifications:

- Ph.D. in cognitive science, engineering, neuroscience, or a related field.
- Strong experience in neuroimaging analysis as applied to human data (e.g., sMRI, rsfMRI, fMRI, or DWI) and computational methods used in neuroimaging (e.g., Matlab, Python, SPM, FreeSurfer)
- Proficiency in computer programming
- Advanced skill in statistical modeling and independent statistical analyses (SPSS, SAS, R)

Responsibilities:

- Analyze neuroimaging data from an ongoing project on brain development and take the lead on manuscript writing
- Collect, process, and have oversight of neuroimaging data for a newly funded project by The Scientific and Technological Research Council Of Turkey (TUBITAK): Brain mediators of recreational cannabis use and psychosis proneness: A neuroimaging and twin study of the vulnerability x stress model
- Collaborate within a multidisciplinary team, including a medical doctor, a clinical psychologist, two psychologists, and molecular biologists on psychosis-centered research
- Liaise with the lab's international collaborators and represent the Lab
- Mentor graduate and undergraduate students
- Contribute to the lab's mission of uncovering neurobiological insights into risk mechanisms associated with psychosis

Benefits:

- Mentorship in cutting-edge clinical/human research methodology from experts in the field
- Work in a collaborative, dynamic, and intellectually stimulating environment
- Opportunity to make significant contributions to cutting-edge research
- Gain hands-on experience in data analysis and psychosis-centered research
- Access to state-of-the-art research facilities and resources

Application Process:

Interested candidates are invited to submit the following documents to Prof. Dr. Timothea Touloupoulou at ttouloupoulou@bilkent.edu.tr:

1. Curriculum vitae (CV)
2. Cover letter highlighting your relevant experience and research interests

Join us in our pursuit of unraveling the mysteries of adolescent brain development and its connection to mental health. Be a part of a dynamic team shaping the future of psychiatric research.

For inquiries, please contact Prof. Dr. Timothea Touloupoulou at ttouloupoulou@bilkent.edu.tr.