

The **Institute of Reconstructive Neurobiology, Life & Brain Center Bonn** welcomes applications for a

PhD position in Stem Cell-Based Modeling of Psychiatric Disease

The LIFE & BRAIN Center on the University of Bonn Medical Campus is a research and development platform comprising academic institutes and translational units with more than 300 scientists. Embedded in a vibrant clinical environment, LIFE & BRAIN has a particular focus on stem cell-based disease modeling.

Based on a broad portfolio of established technologies including standardized cell reprogramming and neural differentiation, genome editing, forward programming, organoid formation as well as molecular, cellular and functional phenotyping, the laboratory of Prof. Oliver Brüstle is expanding its activities towards iPSC cell-based modeling of psychiatric disorders. The approach involves the use of iPSC cells from patients carrying distinct genetic variants as well as CRISPR-Cas-based mutagenesis and repair. The goal of the project is to exploit iPSC-derived neural cells to identify and mechanistically dissect early developmental aberrations and their impact on disease pathogenesis.

We are looking for an enthusiastic, self-driven candidate interested in a demanding project connecting developmental biology, stem cell technology and psychiatric disease modeling. Applicants should have an excellent M.Sc. degree and be well-experienced in standard technologies of eukaryote cell and molecular biology; expertise in stem cell biology, genome editing or CNS disease-related research would be desirable.

The successful applicant will have the opportunity to work in a highly motivated international team situated in a superbly equipped scientific environment with immediate connection to a medical campus. Application to the Bonn International Graduate School of Neuroscience is optional. Salary will be according to the German salary scale (TV-L E13 50% with the possibility of a merit-based increase up to 65%). Subsidized use of public transport (Job ticket) is available. The position opens immediately and is limited to three years with the possibility of extension.

The University of Bonn is committed to diversity and equal opportunity. It is certified as a family-friendly university. It aims to increase the proportion of women in areas where women are under-represented and to promote their careers in particular. It therefore urges women with relevant qualifications to apply. Applications will be handled in accordance with the *Landesgleichstellungsgesetz* (State Equality Act). Applications from suitable individuals with a certified serious disability and those of equal status are particularly welcome.

Please send your application quoting the reference number 66_2018 along with a letter of motivation describing your research interests and qualifications, CV, transcripts of studies and two letters of recommendation until September 30, 2018 to:

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