

Postdoctoral Position Investigating Stress Resilience - Johannes Gutenberg University Medical Center, Mainz, Germany

The Ryu Lab (www.ryulab.org) at the Johannes Gutenberg University Medical Center, Mainz, Germany seeks a highly motivated postdoctoral research fellow to join our project investigating molecular mechanisms underlying stress resilience.

Why do some individuals develop diseases while others show remarkable resilience upon exposure to stressful conditions? Given the growing societal burden of stress-induced dysfunctions in humans, this question represents not only an important biological question but also addresses an urgent unmet medical need. The discovery and validation of molecular resilience mechanisms requires an animal model that has good genetic accessibility. Zebrafish offers important advantages for stress research but as of yet, there is no established model to study stress resilience. The project goal is to establish such a model and identify underlying molecular mechanisms that contribute to individual differences in stress resilience/vulnerability using the latest proteomic technologies. The establishment of the resilience model is already in progress in the lab and the successful candidate will join this effort. The proteomic analyses will be carried out in collaboration with Erin Schuman's lab at the Max Planck Institute for Brain Research in Frankfurt, Germany.

The candidate must have a PhD in neuroscience or related field, a genuine passion for neuroscience, and a deep interest in stress research. Expertise in molecular/biochemical/genomic analyses is necessary. Experience in imaging and/or behavioral analyses will be a strong plus. A strong publication record during PhD is a must.

The position is available immediately at the salary level of German Civil Servant Salary Scale of E13.

To apply, please contact Prof. Soojin Ryu (soojin.ryu@uni-mainz.de) with a heading Postdoc Application and include a CV, a list of three referees, and a motivation letter.