

Institut für Auditorische Neurowissenschaften

The Cluster of Excellence „MULTISCALE BIOIMAGING: From Molecular Machines to Networks of Excitable Cells (MBExC)” invites applications for an

Application specialist (m/f) in optogenetics

Postdoctoral position

position initially available for 3 years, permanent contract after successful evaluation, full-time | salary according to TV-L

The application specialist shall develop optogenetic tools and collaborate to apply them within the research alliances of the Cluster of Excellence "Multiscale Bioimaging: from Molecular Machines for networks of excitable cells" (MBExC). Providing state of the art opsins within the appropriate vectors for cell-type specific expression, assisting the implementation of optical stimulation technology and networking between the groups that employ optogenetics will be major tasks also involving collaboration with the stem cell application specialist on introducing optogenetic tools actuators in human induced pluripotent stem cells. The scientist can build on existing infrastructure such as virus-production, virus-injection, in vitro and in-vivo electrophysiology as well as and optical methods at the Institute for Auditory Neuroscience.

We are looking for excellent and highly motivated applicants with a strong background in molecular biology/genetics and electro- and optophysiology.

The ability to work in an interdisciplinary (combining molecular, structural, physiological, and theoretical approaches) and international team of researchers is required.

The initial fixed-term contract is for 3 years after which a permanent contract will be provided given successful evaluation.

We look forward to receiving your application by **January 11th, 2019:**

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Please send your application only via e-mail as a PDF-file.

Travel and application fees cannot be refunded or transferred.

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