



Opportunity # GN000012

Postdoctoral Project Scientist (m/w/d) – Fries Lab

Position: Post-Doctoral

Deadline: 15 September 2022

City: Frankfurt am Main

Country: Germany

Institution: Ernst Strüngmann Institute (ESI) gGmbH for Neuroscience in Cooperation with Max Planck Society

Department: Fries Department

Description:

The [Fries Lab](#) is looking for an enthusiastic **postdoctoral project scientist** who is interested in developing novel approaches to human neurotherapy.

Your Tasks:

Modern non-invasive and invasive electrophysiological techniques provide high bandwidth and temporal resolution information regarding the state of the human brain. Furthermore, wearables assess a wide range of physiological indicators. The recordings will be used by the project scientist to develop personalised neurofeedback-based neurotherapy approaches. This will initially concentrate on healthy human subjects and non-invasive techniques (MEG and EEG). As a result, in partnership with clinical partners, diseased human subjects and invasive procedures (ECoG) may be included. Because the primary focus of the position is the development of treatment techniques, it is not a standard postdoctoral position. Another significant priority will be the publication of scientific breakthroughs. The project scientist will join an established worldwide team of electrophysiology experts in humans and animals, and will be able to use an outstanding infrastructure.

Documents Required:

Candidates should have or expect to have a Ph.D. in neuroscience or a related field. Skills with human non-invasive or invasive electrophysiology is preferred; programming experience, including Python, or a willingness to learn Python is necessary; and the candidate should be interested in developing and/or applying new neurotherapy technology. However, the essential requirements are a solid academic record and a commitment to performing excellent brain research. A motivation letter, a curriculum vitae, copies of university degrees, lists of university courses with attained grades, and the names and e-mail

addresses of two scientists who can serve as references should be included with applications (do not include reference letters). Please send your application documents in electronic format (preferably in one PDF file) to [office.fries\(at\)esi-frankfurt.de](mailto:office.fries@esi-frankfurt.de) with the reference "Neurotherapy."

What we offer:

The position is initially for three years, with the possibility of extension, and can begin at any time in 2022 or 2023. This call will be open until September 15, 2022. The remuneration will be comparable to that of a traditional postdoctoral position. We value equality of opportunity and diversity. All candidates are invited and encouraged to apply. The ESI provides a family-friendly work environment with nearby inexpensive child care, free parking on the premises, and is conveniently accessible by public transportation. Please take a look at our data protection policies.

Contact Details

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URL: <https://www.esi-frankfurt.de/>

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