



Stellenausschreibung 06/2022
Job advertisement 06/2022

06.05.2022/hs/IE

The Center for Lifespan Psychology at the Max Planck Institute for Human Development (Director: Prof. Dr. Ulman Lindenberger) is seeking applications for a

Senior Research Scientist Position, MR Physics
(W2; 41 hours/week)

The position is available from August 1, 2022, or later, for an initial contract period of five years.

Job Description

One of the core interests of the Center is to investigate age-related and experience-dependent metabolic and structural differences and changes of the human brain. Candidates should be interested in the development, adaptation, and application of MR brain imaging methods that are geared towards conducting groundbreaking longitudinal, cross-sectional, and intervention studies on child development and aging. The goal is to establish a research group that offers reliable and valid quantitative MR measures for use in a longitudinal and age-comparative research context.

Requirements

Successful applicants hold a doctoral degree in physics (strongly preferred), chemistry, biology, neuroscience, or related fields. Experience in MR sequence programming and quantitative imaging methods is needed, preferably with a focus on diffusion-weighted imaging and multi-parameter mapping as well as biophysical modelling of MR signals. Prior hands-on experience with high-field human MR imaging (e.g., 7 Tesla) is desired. The successful candidate is expected to have a track record of independent work, mentoring experience, leadership, and relevant publications. Proficiency in written and spoken English is required. Applicants also need to be fluent in computer programming (e.g., Matlab, C), including practical experience in developing and maintaining open-source quantitative MRI software tools.

The Max Planck Institute for Human Development (www.mpib-berlin.mpg.de) offers an excellent infrastructure including support staff. It provides an international research environment, with English being the working language. The Institute houses a 3 T MR scanner (Tim Trio, Siemens Health Care), which is equipped with a phosphorus RF unit and coils, and is in the process of acquiring a second 3T MR and a 7T MR.

The Max Planck Society strives for gender and diversity equality. We welcome applications from all backgrounds.



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The Max Planck Society is committed to increasing the number of individuals with disabilities in its workforce and therefore encourages applications from such qualified individuals.

Applications (including a cover letter describing your research interests and a curriculum vitae) should be sent as a single PDF file to Dr. Imke Kruse (sekcampus@mpib-berlin.mpg.de). We kindly ask you to submit your application without a photo. Please submit applications by May 30, 2022 to ensure consideration.

The data protection declaration for the processing of personal data within the scope of your application can be found here:

https://www.mpib-berlin.mpg.de/860946/en_infos_bewerbung.pdf