



The Max Planck Institute for Multidisciplinary Sciences is a leading international research institute of exceptional scientific breadth. With more than 40 research groups and some 1,000 employees from over 50 nations, it is the largest institute of the Max Planck Society.

The research group for *Magnetic Resonance Signal Enhancement* (Dr. Stefan Glöggler) invites applications for a

Postdoctoral Fellow (f/m/d)
- Physicist or Physical Chemist in Magnetic Resonance -

We are looking for a highly motivated postdoc who is interested in the field of spin physics, hyperpolarization and low field NMR. Recently, we have discovered long-lived hyperpolarized ^{15}N spin species ($T_1 > 5$ minutes) which we are planning to investigate as potential metabolic imaging agents at low magnetic fields below 100 mT. In particular constructing hardware for ^{15}N imaging and developing imaging sequences at these fields will be the main tasks.

The candidate should have a strong background in physics or physical chemistry or related disciplines and experience in nuclear magnetic resonance and spin physics.

Postdoc candidates hold a PhD degree in physics or physical chemistry or related disciplines. The initial appointment for Postdocs is two years with possibilities for extension.

What you will be doing

- Investigating the spin physics of ^{15}N -enriched compounds at low fields
- Performing low field experiments in home-built equipment
- Constructing hardware for ^{15}N imaging below 100 mT field.

What we offer

- High-impact emerging field of research
- State of the art equipment and infrastructure
- Interesting and varied work in an interdisciplinary environment
- A wide range of offers to help you balance work and family life: on-campus kindergarten places including vacation care, parent-child offices, etc.
- Further training opportunities and language courses
- Spacious cafeteria with a wide range of meals plus an espresso bar
- Health management: free fitness and yoga room, sports groups, course offerings for a "moving break"
- Initiatives for sustainability and a green environment with a new biotope

Payment and benefits are based on the German public service pay scale (TVöD Bund) guidelines.

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



Applications will be reviewed on a rolling basis until the positions are filled. Please submit your application including cover letter (explaining background and motivation), CV, transcripts, publication record and two contacts for letters of reference preferably via E-Mail as a single PDF file to

ausschreibung53-23@mpinat.mpg.de

Max Planck Institute for Multidisciplinary Sciences
Research Group “NMR Signal Enhancement”
Herrn Dr. Stefan Glöggler
Am Fassberg 11, 37077 Göttingen
Germany



Web: <https://www.mpinat.mpg.de/gloeggler>

Information pursuant to Article 13 DS-GVO on the collection and processing of personal data during the application process can be found on our website below the respective job advertisement.