

The Max-Born Institute for Nonlinear Optics and Short Pulse Spectroscopy (MBI) conducts basic research in the field of nonlinear optics and ultrafast dynamics arising from the interaction of light with matter and pursues applications that emerge from this research. It develops and uses ultrafast and ultra-intense lasers and laser-riven short-pulse light sources in a broad spectral range in combination with methods of nonlinear spectroscopy.

With its research, MBI fulfils a national mission and is an integral part of the international scientific community.

The Max-Born-Institute invites applications for the position

PhD Position in Theory of Biomolecular Dynamics (m/f/d)

Job profile:

The Biomolecular Dynamics research group at the Max Born Institute (group leader: Dr. B. Fingerhut) offers an ERC Starting Grant funded PhD Position in the field of „Theory of Biomolecular Vibrational Dynamics in Condensed Phase“. The project focus is development and application of numerical methods for the microscopic real-time description of vibrational dynamics in liquid phase. Applications comprise the solvation dynamics at biological interfaces and within confined environment. The research group has a close collaboration with experimental groups of Division C („Nonlinear Processes in Condensed Matter“) and active participation of the candidate in interdisciplinary projects is expected.

Requirements:

Required is a Master's degree in theoretical chemistry, physics or in a related area. Experience in molecular dynamics computational research and/or computer programming will be counted as advantages. Programming skills including C, Matlab or python and good ability to communicate in German or English are required.

Offer:

The position is for three years with the possibility of extension. The payment is according to the German TVöD salary scheme (75%) for scientists in public research institutions.

If equally qualified, severely handicapped persons are given preference. MBI is an equal opportunity employer and places particular emphasis on fostering career opportunities for women. Qualified women are therefore strongly encouraged to apply.

MBI supports the reconcilability of family and working life and is certified as family-friendly by the "family audit".

Please use the button "[Apply online](#)" and upload your application, including cover letter, curriculum vitae, transcript of grades and two letters of reference, electronically via the MBI online recruiting platform at <https://mbi-berlin.de/de/karriere>. The deadline for applications is **22nd June 2020**.

For further information and inquires please contact:

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