MAX PLANCK INSTITUTE
OF COLLOIDS
AND INTERFACES

The Department of Biomaterials (Director Prof. Dr. Peter Fratzl) at the Max Planck Institute of Colloids and Interfaces in Potsdam, Germany invites applications from outstanding young scientists for the position of

PhD student (m/f/d)

We are looking for a highly motivated PhD student in the field of bone structure and function. The candidate should have a degree in Engineering, Physical or Natural sciences or closely related fields, with an outstanding profile, a strong background and interests in bone architecture, imaging techniques (e.g. CT Scan, Electron Microscopy, Confocal Microscopy) and image processing.

The aim of the research is to understand the principles governing skeletal materials development. As a composite material, bone tissue offers a unique opportunity to explore the interplay between the extracellular matrix (ECM), the cells and vasculature. More specifically, the successful candidate will (1) participate to the development of a correlative light and electron microscopy workflow in cryo condition, (2) use tagged macromolecules to map the distributions of individual ECM components and (3) assess the functions of these macromolecules during skeletal materials development. Good communication skills and proficiency in English are required.

The position is available immediately with a flexible starting date in 2022.

To submit your candidature please send an email to: emeline.raguin@mpikg.mpg.de , with subject PhD application – [Name, Surname], with attached PDF version of your CV and a short cover letter.

Please send us your application in English until 30.04.2021.

The candidate CV will be evaluated internally according to the project and the best candidates will be invited for an online interview. After the online interview the interviewed candidates will receive an email with the final decision.
The accepted candidate will join the Max Planck Institute of Colloids and Interfaces, Biomaterials Department, in the group led by Dr. Emeline Raguin.

The Max Planck Society strives for gender equality and diversity. We welcome applications from all backgrounds. 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. Furthermore, the Max Planck Society seeks to increase the number of women in those areas where they are underrepresented and therefore explicitly encourages women to apply.

For further information about the Institute see https://www.mpikg.mpg.de/ .