As a University of Excellence, Universität Hamburg is one of the strongest research universities in Germany. As a flagship university in the greater Hamburg region, it nurtures innovative, cooperative contacts to partners within and outside academia. It also provides and promotes sustainable education, knowledge, and knowledge exchange locally, nationally, and internationally.

The Faculty of Mathematics, Informatics and Natural Sciences, Institute of Wood Science invites applications for a

RESEARCH ASSOCIATE FOR THE PROJECT “HOLZMAT3D” THREE POSITIONS ON "NANOCELLULOSE AND 3D-PRINTING: PRODUCTION OF NEW HYBRID BIOBASED MATERIALS AND/OR COMPOSITES" - SALARY LEVEL 13 TV-L -

The positions in accordance with Section 28 subsection 3 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) commences on March 1st, 2021.

This is a fixed-term contract in accordance with Section 2 of the academic fixed-term labor contract act (Wissenschaftszeitvertragsgesetz, WissZeitVG). The term is fixed for a period of three years. The position calls for 50% of standard work hours per week*.

RESPONSIBILITIES:

Duties include academic services in the project named above. Research associates may also pursue independent research and further academic qualifications.

SPECIFIC DUTIES:

Those 3 PhD student positions are integrated in a new research group group led by Dr. Julien R.G. Navarro at the Institute of Wood Science, and funded by FNR/BMEL (Project HolzMat3D). The selected candidate will be expect to work as part of a growing research team in an intersdisciplinary environment (Wood Chemistry and Wood Physics department).

The project aims to produce new hybrid material made of nanocellulose (Cellulose Fibers, Cellulose nanofibrils), inorganic nanoparticles and polymer for 3D printing application (Bioprinting, Fused deposition modeling & Selective Laser Sintering) and/or Injection molding. In this project, various functionalization strategies (chemical surface modification, polymerization) and detailed characterization have to be performed.

* Full-time positions currently comprise 39 hours per week.
**REQUIREMENTS:**

A university degree in a relevant field. MSc or Diploma in chemistry, polymer chemistry, or material science. Good knowledge of Englisch.

The Free and Hanseatic City of Hamburg promotes equal opportunity. As men are currently underrepresented in this job category at Universität Hamburg according to the evaluation conducted under the Hamburg act on gender equality (Hamburgisches Gleichstellungsgesetz, HambGleiG), we encourage men to apply for this position. Equally qualified and suitable male applicants will receive preference.

Qualified disabled candidates or applicants with equivalent status receive preference in the application process.

For further information, please contact julien.navarro@uni-hamburg.de or consult our website at https://www.biologie.uni-hamburg.de/forschung/oekologie-biologische-ressourcen/holzchem.html.

Applications should include a cover letter, a tabular curriculum vitae, and copies of degree certificate(s). Please send applications by February 20\textsuperscript{th}, 2021 to: julien.navarro@uni-hamburg.de.

Please do not submit original documents as we are not able to return them. Any documents submitted will be destroyed after the application process has concluded.