

Karla P. Mercado-Shekhar, Ph.D.

Assistant Professor

Discipline of Biological Engineering

Academic Building 5/317A

Indian Institute of Technology Gandhinagar

Near Palaj, 382355, Gujarat, India

E-mail: karlamshekhar@iitgn.ac.in

Phone: +91-79-23952553

Website: <https://www.iitgn.ac.in/faculty/biology/karla-patricia-mercado-shekhar.htm>



Postdoctoral Fellowship in Biomedical Ultrasound Imaging and Tissue Characterization

The Indian Institute of Technology Gandhinagar (IITGN) invites applications for a Postdoctoral Fellow position funded by the institute.

Job description: The postdoctoral fellow will perform biomedical research focused on ultrasound imaging for tissue characterization. The fellow will be expected to develop ultrasound imaging algorithms, fabricate ultrasound tissue-mimicking hydrogel phantoms, perform tissue characterization experiments, and assist in laboratory development. The applicant must be self-motivated, independent, and interested in biomedical research. The fellow will receive extensive training and mentorship in biomedical research methods and scientific communication. IIT Gandhinagar provides a vibrant academic atmosphere and opportunities for interdisciplinary research collaborations.

Eligibility: Candidates must hold a Ph.D. in Biomedical/ Electrical/ Mechanical Engineering, Bioinstrumentation, Applied Physics, or related fields, from recognized institutions/universities with good academic track record and publications. Candidates must have experience in programming and signal processing in MATLAB/C/C++/Python. Candidates who have submitted their thesis are also eligible. Previous experience with ultrasound instrumentation is desirable but not essential.

Duration: The initial appointment will be for 1 year, extendable for up to 2 years based on performance.

Remuneration: INR 45,000 to 55,000 per month, depending on qualifications and experience.

Application procedure: Please direct all questions to Prof. Karla Mercado-Shekhar (karlamshekhar@iitgn.ac.in). Candidates must **e-mail** the following documents as a **single PDF file attachment** to Prof. Karla Mercado-Shekhar: 1) CV containing scholastic record and publications, 2) cover letter stating a potential starting date and why you are adequately suited for this position, 3) 1-page document describing previous research accomplishments and long-term goals, and 4) contact details of at least 3 references.

Applications will continue to be screened until a suitable candidate is selected.