



RESEARCH POSITION

Manipal Academy of Higher Education (MAHE), Manipal invites applications for the Research position to work under the ICMR extramural research-project titled *"Development and Translational Validation of CT-Guided Biodegradable Patient-Specific Implants for Mandibular Reconstruction Following Tumor Resection and Trauma"* at **Department of Integrated Research, Kasturba Medical College (KMC), Manipal**.

About the Project: This high impact project aims to develop and validate patient-specific biodegradable bioactive implant system for mandibular reconstruction following tumor resection and trauma, integrating medical imaging, 3D modelling, additive manufacturing and regenerative biomaterials. The research will advance a previously developed method toward preclinical validation and translational application in personalized mandibular reconstruction.

Research Environment: The research will be conducted at Kasturba Medical College (KMC), Manipal Academy of Higher Education (MAHE) within a highly interdisciplinary environment integrating clinical, engineering, biomaterials and translational research expertise. The project provides opportunities to work closely with scientists from biomedical/engineering, maxillofacial and plastic surgeons, and scientists involved in large animal preclinical evaluation

Position	Eligibility Criteria	Remuneration
Project Research Scientist-II (Non-Medical) (Position: 01)	Essential qualifications: Postgraduate degree, including an integrated postgraduate degree, in Biomedical Engineering, Biotechnology, Materials Science, Mechanical Engineering, or a closely related discipline, with three years of relevant post-qualification research experience, or a PhD in a relevant discipline, as applicable to the prescribed eligibility criteria. Preferred Experience and Skills Candidates with experience in one or more of the following areas will be strongly preferred: 1. CT/DICOM-based medical image processing, 3D segmentation and extraction of anatomical defects from CT datasets. 2. Patient-specific 3D modelling and CAD for additive manufacturing/3D printing. 3. Research experience in biomaterials, tissue engineering, bone regeneration or additive manufacturing, supported by scientific publications. 4. Hands-on experience in FDM-based 3D printing, particularly involving polymer or polymer–bioactive glass composite systems. 5. Experience in mechanical, physicochemical and/or structural characterization of biomaterials and tissue-engineered scaffolds. Job Code: Application for Project Research Scientist-II (NM)–Department of Integrated Research, KMC, Manipal	Rs. 67,000 +10% HRA

Position	Eligibility Criteria	Remuneration
Project Research Scientist-I (Non-Medical) (Position: 01)	Essential qualifications: Postgraduate degree, including an integrated postgraduate degree, in Biomedical Engineering, Biotechnology, Materials Science, or a closely related discipline, as applicable to the prescribed eligibility criteria. Preferred Experience and Skills: Experience in at least two of the following areas: 1. Biomaterials, tissue engineering or regenerative medicine 2. Additive manufacturing/3D printing, particularly FDM-based fabrication. 3. CAD, patient-specific 3D modelling and/or medical image processing. 4. Physicochemical, mechanical or biological characterization of biomaterials and scaffolds. Job Code: Application for Project Research Scientist-I (NM)– Department of Integrated Research, KMC, Manipal	Rs. 56,000 +10% HRA
Project Technical Support-III (Position: 01)	Essential qualifications: 3-year Graduate degree in Biotechnology/Biological Sciences/Materials Science + 3 years of post-qualification experience OR Post Graduate degree in Biotechnology/Biological Sciences/Materials Science Preferred Experience and Skills: Experience in computational modelling relevant to biology/biomedical engineering Job Code: Application for Project Technical Support-III– Department of Integrated Research, KMC, Manipal	Rs. 28,000 +10% HRA

Mentioning of **Job Code** in the subject line of the application is mandatory.

Duration of the Project: Initially for a period of One year and extendable upto three years on performance and need of the project.

Candidates possessing the requisite qualifications may send their detailed CVs on or before **October 12, 2026** to the following email id/address. Shortlisted candidates will be informed by e-mail about the interview date. No TA/DA will be paid for attending the interview.

Director - HR
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