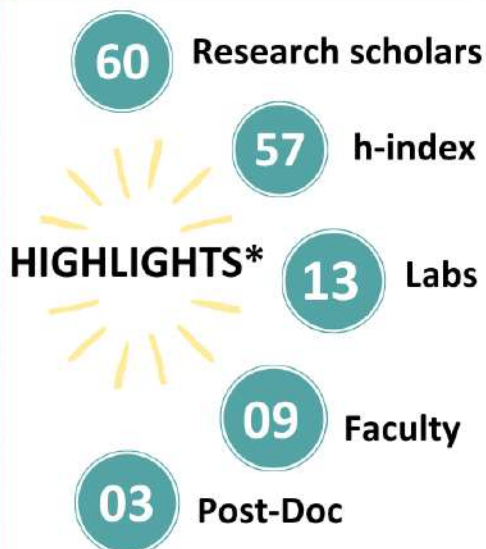
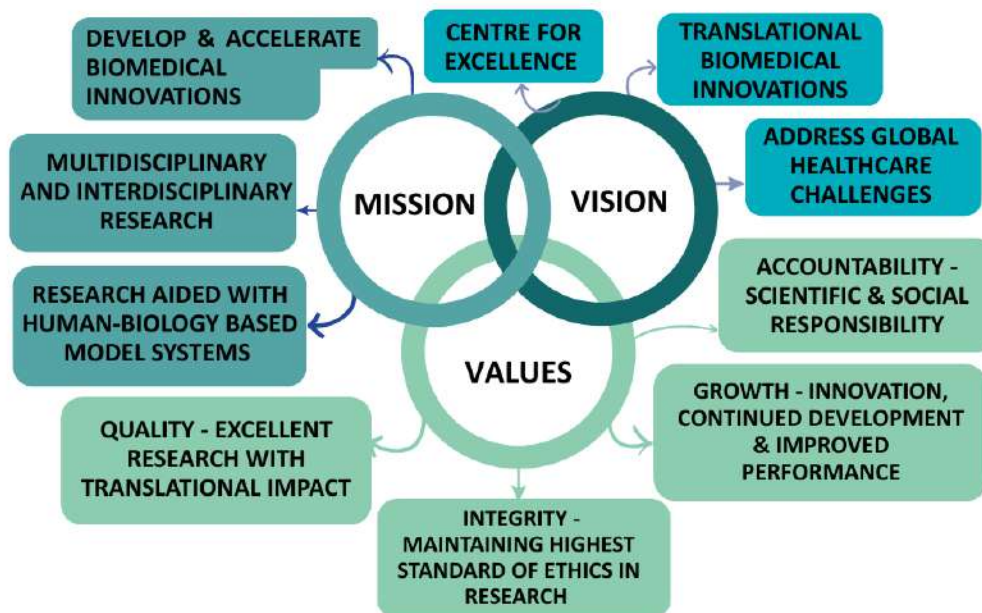


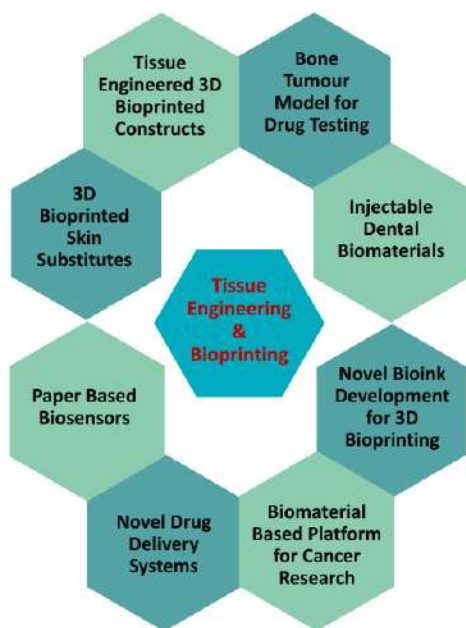


*Nov/2025

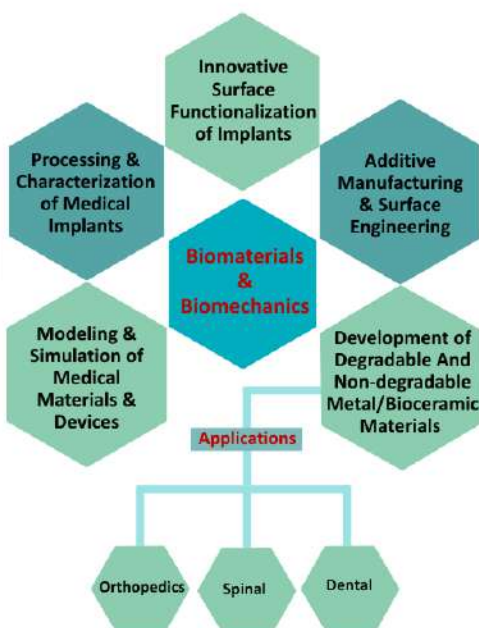


Research Thrust Areas

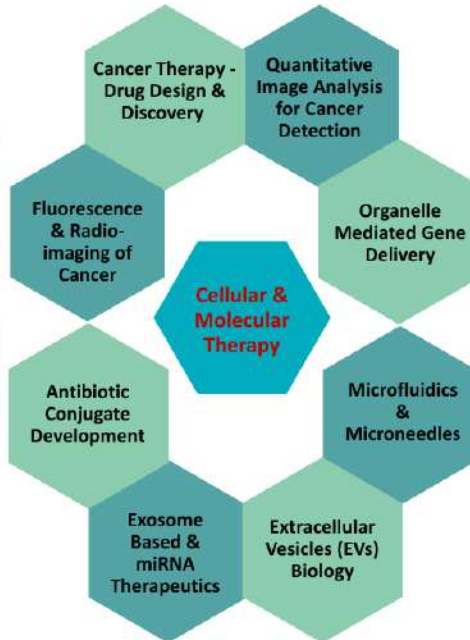
Tissue Engineering & Bioprinting



Biomaterials & Biomechanics



Cellular & Molecular Theranostics



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CBCMT RESEARCH FACILITIES

Tissue Engineering Lab



Biosafety Cabinet



Deep Freezer



Nanoparticle Tracking Analysis (NTA)



Refrigerated Centrifuge



Alpha 1-2 LDplus Freeze Dryer



Infinite® 200 PRO M plex Plate Reader
Absorbance, Fluorescence & Luminescence

Molecular lab facility



Biosafety Cabinet Class II, A2



qTOWER³ g
Company: Analytik-Jena
Sage Purpose: qPCR



HeraCell Vios Incubator
Company: ThermoScientific



iMARK Plate Reader
Company: Bio-Rad



SDS PAGE SETUP
Company: BioRad



Tranblot SD Semidry Transfer Cell
Company: BioRas



PCR Thermal Cycler
Company: Takara



Biophotometer
Company: Eppendorf



ChemiDoc-It² imager
Company: UVP

Biomaterials fabrication and Characterization Facility



ETO Sterilizer



Tribo-Corrosion Tester



Hardness Tester



Carl Zeiss Microscope



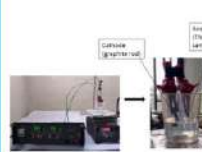
Plasma Cleaner



Contact Angle Measuring System



Tubular Furnace



Anodization Electrophoretic deposition



Refrigerated Incubator Shaker



Heber Multi Curing Photoreactor



Freeze-Drier



Electrospinning Apparatus



FDM 3D Printer



Box Furnace



Instron-Dual column Low Force Test System

Bioprinting and Imaging Facilities



Lumen-X Gen 3 DLP Bioprinter



Olympus Inverted Microscope Model CKX53



BIOX 3D Bioprinter



Olympus FLUOVIEW PV3000 Confocal Laser Scanning Microscope



EVOS M 5000



FOBI Blue Green NIR Channel



Small Animal Anesthesia Setup

MICROFLUIDICS AND FABRICATION FACILITY



3D Printing Facility



Lithography Unit



Microfluidics Facility

Drug Discovery Unit Facility



Synthetic Organic Chemistry Laboratory



Shimadzu Binary Gradient HPLC System With Autosampler, PDA, and RI Detector



Computational Workstation



Flash Chromatography



Fully Automated Single-Reactor Peptide Synthesizer

Cell Culture Facility



Class-II Biosafety Cabinet



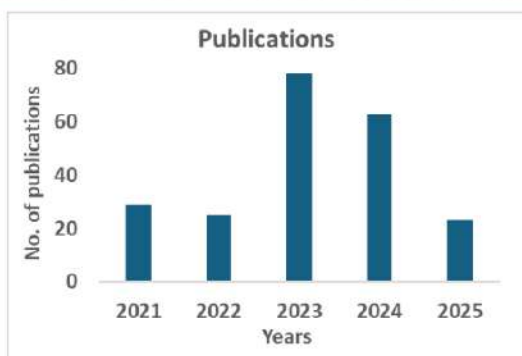
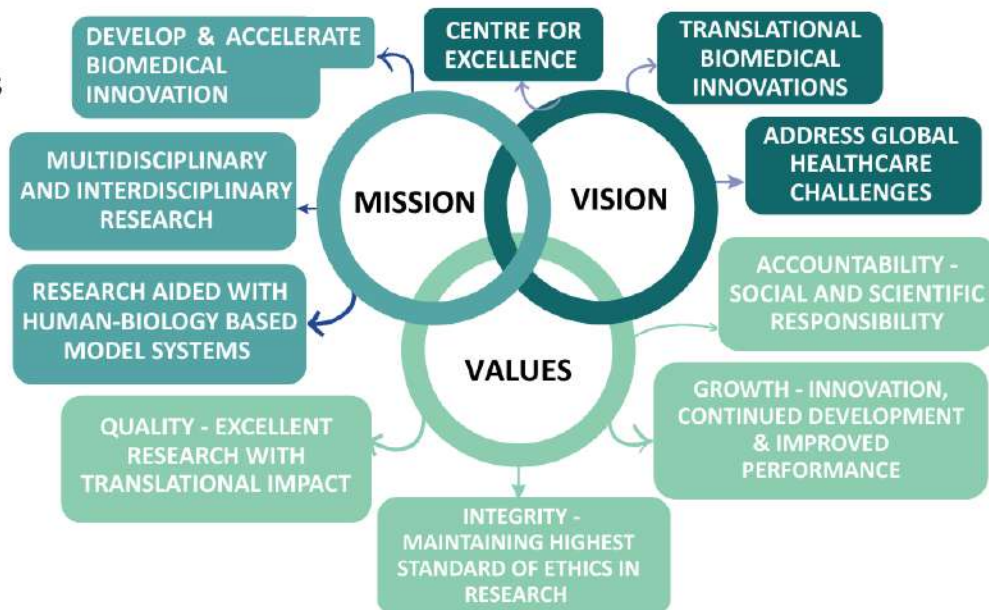
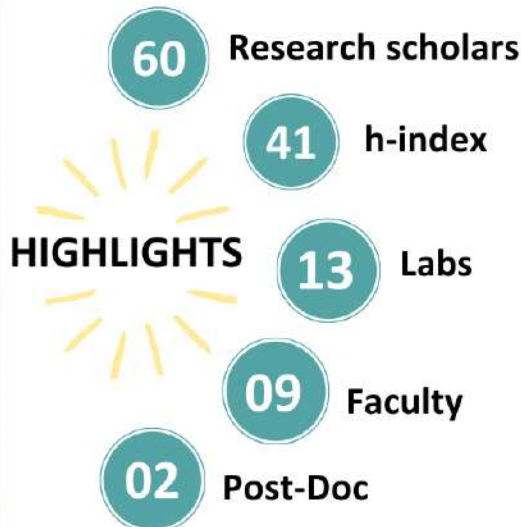
Eppendorf CO₂ Incubator



Antigen Retrieval System



Microplate Reader Tecan Infinite M Plex



Lab testing facilities

- 1 Confocal Microscopy facility booking
- 2 3D Bioprinter Facility (CELLINK, BIOX)
- 3 EVOS Fluorescent Microscope



PATENTS FROM CBCMT: 28

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LAB**

**BIOMATERIAL
PROCESSING
LAB**

**CELLULAR &
MOLECULAR
THERANOSTICS
LAB**



**BIO
MECHANICS
LAB**

**DRUG
DISCOVERY
UNIT**



**BIO
CORROSION &
BIO
TRIBOLOGY
LAB**

**HUMAN
ORGAN
MIMICS &
ENGINEERING
LAB**



**TISSUE
ENGINEERING
LAB**

**MICROBIOLOGY
LAB**



**SMART
BIOMATERIALS
LAB**

**MICRO
FLUIDICS &
MICRO
FABRICATION
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**PRECISION
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