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Research Theme

Biomedical and Biological Materials and Manufacturing (BBMM)

Research Areas

- Heart Valve Prostheses
- Biomaterials
- Biomechanics
- Surgical Simulation
- Robotic Surgery
- Tremor and Parkinson Disease
- Atherosclerosis
- Tissue Mechanics Characterization
- Cartilage mechanobiology

Research Facilities/Tools

- In-house FE simulation tools
- In- house CFD simulation tools
- Polymerization KIT
- Automated water bath systems (4 lit and 7 lit)
- Additive manufacturing facility
- Vibration sensors
- High precision pressure plate
- 3D scanner/digitizer

