

# JUBILEE CENTRE FOR MEDICAL RESEARCH

Jubilee Mission Hospital Trust, Jubilee Mission P O

Thrissur, Kerala, India-680005

## Doctoral (Ph D) Program

The Jubilee Centre for Medical Research (JCMR), Thrissur invite applications from the eligible candidates for the full time Ph.D. program. This program is under Manipal Academy of Higher Education (MAHE) and the minimum duration is three and half years after the registration.

### Eligibility

1. The candidate should possess first class (not less than 60% in aggregate) Master's degree in Life Sciences/ Biotechnology/ Biochemistry/Microbiology.
2. Applicants must have cleared the Junior Research Fellowship (JRF) examination conducted by UGC/CSIR/INSPIRE/ICMR/KSCSTE/AYUSH/ DBT or other recognized funding agencies.

### Mode of selection

Selection will be based on performance in the written test and/or Interview.

### Fee structure

There is an institutional fee of Rs. 10,000/- per semester (6 months). Additionally, a caution deposit of Rs. 10,000/- must be paid, which will be refunded upon relieving, provided there are no outstanding dues. The candidate is also required to pay the University fees as per MAHE norms.

### Research Labs at JCMR

- **Cell and Molecular Biology Facility:** The lab keenly focusses on the molecular level mechanisms involved in different diseases. The lab is currently working on congenital anomalies (Orofacial Cleft) as well as cancers (lung and breast cancers) focusing on molecular biology of cancer initiation, extracellular vesicles and liquid biopsy.
- **Biochemistry Research lab:** The focus of research in this laboratory lies in the proteomic profiling and the analysis of free radical biology of chronic inflammatory diseases. Additionally, the lab trying to understand the molecular mechanism of chronic inflammatory diseases by combining proteomics and bioinformatics. Neuroimmunology diagnostic services are also provided.
- **Phytochemistry Research Division:** The Phytochemistry Research Laboratory focuses on screening bioactive compounds with medicinal properties. The lab's main goal is to isolate and identify novel plant compounds with pharmaceutical importance. Currently focusing on *Carica papaya*
- **Cytogenetics and Genomics Lab:** The laboratory focuses on reproductive biology as well as haematological malignancies. The lab also focuses on identifying gene variants involved in disorders of sexual development. Understanding the genetics and epigenetic background of Polycystic Ovary Syndrome is another area of interest. Studies on obesity & breast cancer and male infertility are also conducted.
- **Computational and Structural Biology Lab:** The lab focusing on the solving of complex biological problems through in silico, in vitro, in vivo, and structural biology analysis. The lab is also focusing on the computer aided drug design. Various projects focus on Alzheimer's disease, uterine fibroids and ayurgenomics are also executed in the lab.

Click here for registration <https://forms.gle/Nd5v8LLTKM8bWFM9>

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