



# Centre of Biomedical Research Ph.D. Program 2017

## Research at a Glance

### Thrust Areas

CBMR aims to accelerate scientific discoveries by engaging basic science researchers to seek solutions for critical problems relevant to biomedical research. CBMR currently has four major disciplines;

**Molecular Synthesis and Drug Discovery** covering thrust areas in chemical sciences like Total Synthesis of Potential Drug Molecules, Asymmetric Synthesis & Catalysis, Organo-catalysis, Chemical Biology, Organometallic Catalysis.

**Cancer and Cardiovascular Biology** focusing on G-protein mediated signaling and RGS proteins, drugs-induced cardiovascular dysfunction using mouse models and cell culture system.

**NMR and Metabolomics** with thrust areas in NMR methodology, structural biology and functional proteomics.

**Functional MRI** for brain research.

### Research & Other Facilities

CBMR offers state-of-the-art research facilities and infrastructure to perform cutting-edge research. The infrastructure includes modern research laboratories for chemistry and biology research. The major equipments in chemistry central instrumentation facility includes three NMR spectrometers (400/600/800 MHz, BRUKER, Glove box (MBRAUN), Agilent HPLC (analytical/preparative), Agilent HR-MS, Agilent GC-MS, Solvent Purification system, FPLC and many more. The biology facility at CBMR includes 3 T MRI Scanner, cell culture facilities, bacterial facilities, freezers, chemidoc, PCR, western blot, multiple centrifuges and other regular equipments. Procurement for confocal microscope and FACS is currently underway.



CBMR also offers comfortable housing (A.C. hostel) for the selected candidates and the students can avail the sports facilities at the SGPGIMS campus.

Applications are invited for the Ph.D. program at the Centre of Biomedical Research (CBMR), Lucknow in the area of Chemical sciences, Biological sciences, Physical sciences and in interdisciplinary research areas. Prospective candidates with background in Chemistry /Biology/ /Biochemistry/Biotechnology/Physics/Cognitive/Neural science are encouraged to apply for the current academic session.

### Eligibility Criteria:

Applicants should have 55 % marks or equivalent CGPA in M.Sc / equivalent degree and should have qualified any ONE of the following national level exams; CSIR or UGC-NET for JRF, DBT-JRF, ICMR-JRF or DST-INSPIRE fellowship for Ph.D.

### How to Apply:

Completed application form shall be sent either by E-mail at [phd@cbmr.res.in](mailto:phd@cbmr.res.in) or by post to the Director, Centre of Biomedical Research, SGPGIMS-Campus, Raebareli Road, Lucknow, Uttar Pradesh, 226014.

To download application form, go to [http://cbmr.res.in/?page\\_id=941](http://cbmr.res.in/?page_id=941)

For more details, visit <http://cbmr.res.in/>