



## **MGM INSTITUTE OF HEALTH SCIENCES**

(Deemed University u/s 3 of UGC Act, 1956)

**Grade 'A' Accredited by NAAC**

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### **MGM 104 PhD Molecular Biology**

#### **Program Outcomes**

PO1. develop, implement and evaluate unique clinical and community-based programs and interventions that aim to promote health and improve specific health outcomes.

PO2. design and conduct independent research projects using advanced methodologies on the individual, social and health care delivery system factors influencing health outcomes.

PO3. engage in rigorous health outcomes assessments and clinical effectiveness research across the lifespan.

PO4. compile, manage and assess biomedical informatics and health records databases and apply advanced statistical methods to research endeavours.

PO5. evaluate the effects of health policies on health outcomes, health care access, quality of care and costs from a variety of perspectives, which are integrated into effective research projects.

PO6. contribute to methods development that will further advance health outcomes and translational research.

PO7. translate evidence-based treatments and programs into health practice and policy through dissemination and implementation science methodologies.

#### **Program Specific Outcomes**

At the end of their PhD, students should

PSO1. Have a thorough knowledge of the literature and a comprehensive understanding of

scientific methods and techniques applicable to their own research;

PSO2. Be able to demonstrate originality in the application of knowledge, together with a practical understanding of how research and enquiry are used to create and interpret knowledge in their field;

PSO3. Have developed the ability to critically evaluate current research and research techniques and methodologies;

PSO4. Have self-direction and originality in tackling and solving problems;

## **Course Outcomes**

**At the end of their PhD, students should:**

CO1. have a thorough knowledge of the literature and a comprehensive understanding of scientific methods and techniques applicable to their own research;

CO2. be able to demonstrate originality in the application of knowledge, together with a practical understanding of how research and enquiry are used to create and interpret knowledge in their field;

CO3. have developed the ability to critically evaluate current research and research techniques and methodologies;

CO4. have self-direction and originality in tackling and solving problems;

CO5. be able to act autonomously in the planning and implementation of research; and have gained oral presentation and scientific writing skills.

  
**Dr. Rajesh B. Goel**  
Registrar  
MGM INSTITUTE OF HEALTH SCIENCES  
( DEEMED UNIVERSITY u/s 3 of UGC Act,1956 )  
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