

Job Description- Research Assistant Professor (Microbiology)

The Division of Medical Research at SRM Medical Collage Hospital and Research Center is looking for bright and enterprising Assistant Professors, with good interpersonal skills, in the field of Microbiology or virology.

Requirements:

- Candidates must have an MD or PhD degree with post-doctoral experience in the interdisciplinary field of Biomedical Sciences or other relevant field.
- Extensive skill, knowledge, and experience in the field of microbiology or virology.
- Good oral and written communication skills
- Strong organizational, analytical and reasoning skills
- Ability to work well and flexibly i.e. autonomously, in small teams, and with a wide range of varying stakeholders
- Ability to see the big picture, whilst still maintaining a focus on detail and implementation. Strong leadership and mentoring skills

The main responsibility of the research Assistant Professor will be to increase the research output of SRM Medical Health Sciences (MHS). They will also help SRM Institute of Science and Technology build successful industrial collaborations that will cater to translational research with community outreach.

Following are the key **roles and responsibilities** of the Assistant Professor:

1. To design and perform laboratory experiments used to diagnose and treat illnesses.
2. To collect, manage, and study microbiological and biochemical data at the molecular level.
3. To design *in vitro* & *in vivo* models for different types of pathogenic disorders.
4. To isolate bacteria and other microorganism cultures for future study as well as classify microorganisms found in collected specimens for future reference.
5. To monitor the effects of microorganisms on animals, plants and the environment.
6. To apply for and manage multiple Institutional Grants
7. To contribute in the development of research protocols and budget
8. To liaison with various clinicians to analyze problems, determine solutions as well as help them in developing clinical projects.
9. To undertake bench-to-bedside research, education and training, and clinical practice that improves the health and well-being of patients and the public.
10. To do Industrial Research and Development work by driving tieups with top companies for industry trainings & projects and conduct research and experiments to advance knowledge in their field
11. The candidate should take up administrative responsibilities, including but not limited to, setting up laboratories, handling vendors, managing inventories and coordinating with other departments to improve the University's research output.
12. To communicate research results through conference presentations, scientific publications, or project reports.
13. To instruct and help others in techniques commonly used in the field of microbiology and virology.
14. To keep abreast of new developments in the field by reading scientific literature and attending professional conferences.