

Doctoral Program Call-letter: July 2024 Admission (Mid Admission)

Dear All,

05 June 2024

1. Amrita Vishwa Vidyapeetham, AIMS, Faridabad Campus, invites applications for Full-Time and Part-Time PhD Admission in Medical And Health Sciences for the academic year 2024 (Mid-admission).

2. The last date of submission of the duly filled application form is **11 July 2024**. The application should be submitted by email to the Coordinator, PG studies, AIMS Faridabad at surinderpal.singh@fbd.amrita.edu

3. Applicants are requested to download the attached form, fill it, paste a recent passport photograph and scan the form along with required enclosures. Please mail the scanned document (scan as one PDF document) to the above email ID with “Doctoral Program 2024” as the mail subject heading. Please bring the hard copy of the form and all supporting documents when appearing for the admission exam.

4. The admission exam shall be conducted as per following schedule

Date	18 July 2024
Theory paper	1130AM-1230PM
Interview	2PM-5PM

5. The theory paper shall consist of 10 short answer questions on the basics of research methodology and biostatistics. The candidate must answer 7 of the 10 questions. Each answer shall have a maximum score of 5 marks. The interview shall be of 15 marks where the candidates aptitude for research and subject expertise shall be explored.

6. Please note that candidates have to **identify a Thesis Advisor (guide)** at AIMS, Faridabad, get a letter of willingness from her/him and submit it along with the application form on/before 11 July 24. The details of available thesis advisors of **seven departments** are given below. You may contact them directly.

7. Kindly check the Amrita Vishwa Vidyapeetham website for any information needed. Further queries may be directed via email to the Coordinator PG studies, AIMS, Faridabad.

Regards

In AMMA

Dr SP Singh
Coordinator, PG Studies

**Details of PhD Thesis Advisors available at AIMS, Faridabad,
for mid-session 2024**

A. Department of Neurology

a. Faculty :

Name	Link to the Faculty Profile in Amrita Website
Dr. Sanjay Pandey	https://www.amritahospitals.org/faridabad/doctor/sanjay-pandey

b. Research areas:

Parkinson's and Movement disorders
Neurodegenerative disorders
Genetics of neurodegenerative disorder
Functional (Psychogenic) neurological disorders

c. Funding / Projects: (Ongoing)

Title of the Project	Funding Agency
Phenomenology and localization of post-stroke movement disorders	An investigator-initiated non-funded multi-center international study
Understanding the effects of feedback modulation on basal ganglia network neurophysiology in Parkinson's disease and movement disorders	An investigator-initiated non-funded international collaborative study
Indian Collaborative Research Network on Wilson's Disease" (iCROWD): Council of Scientific & Industrial Research (CSIR), Government of India	Council of Scientific & Industrial Research (CSIR), Government of India

d. List of Facilities/ Research Infrastructure

Name of the Research Lab	Major Facilities / Equipment Details
Human motor control section	Electroencephalography, electromyography [needle and surface], evoked potential Botulinum toxin lab [EMG and USG guided] Genetic lab in collaboration with molecular medicine Clinical psychology in collaboration

B. Department of Neurosurgery

a. Faculty:

Name	Link to the Faculty Profile in Amrita Website
Dr Anandh Balasubramaniam	https://amritahospitals.org/faridabad/doctor/anandh-balasubramaniam
Dr. Satyakam Baruah	https://amritahospitals.org/faridabad/doctor/satyakam-baruah

b. Research areas:

Neuro-oncology, Head and spinal injury, Epilepsy

c. List of Facilities/ Research Infrastructure

Name of the Research Lab	Major Facilities / Equipment Details
Amrita Research Centre and Hospital	Clinical material, radiological investigations, Neuropathology lab, IHC and genetic studies, intra op-neurophysiology assessments, neuropsychology assessments, ICU set up, TCD studies, ICP studies Nuclear medicine services, Neuromonitoring unit, Neuropathology lab

C. Department of Medical Oncology

a. Faculty:

Name of the Faculty	Link to the Faculty Profile in Amrita Website
Dr Saphalta Baghmar	https://amritahospitals.org/faridabad/doctor/saphalta-baghmar

b. Research areas:

Cancers of Head and Neck, Breast and Gastroenterology

c. Fundings / Projects: (Ongoing)

Title of the Project	Funding Agency
A Randomised Phase II Trial Comparing Chemo-Radiation versus Chemo-Radiation Plus Adjuvant low dose Immunotherapy in PDL1 Positive Locally Advanced Cervical Cancer (LACCION trial)”	ICMR

d. List of Facilities/ Research Infrastructure

Name of the Research Lab	Major Facilities / Equipment Details
Amrita Research Lab	Illumina NGS platform and all other equipments required for Molecular research are available.

D. Department of Radiation oncology

a. Faculty:

Name of the Faculty	Link to the Faculty Profile in Amrita Website
Dr Manigandan	https://amritahospitals.org/faridabad/doctor/manigandan
Dr Rose Kamal	https://amritahospitals.org/faridabad/doctor/rose-kamal
Dr Deepak Thaper	https://amritahospitals.org/faridabad/doctor/deepak-thaper

b. Research areas: Medical Physics

c.

d. Fundings / Projects: (Ongoing)

Title of the Project	Funding Agency
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1)An economical nanotechnology based self-screening platform to detect human papillomavirus in menstrual blood of sanitary napkins for prevention and early detection of Ca Cervix	ICMR
2)Development of indigenous Robotic Ultrasound for synchronous management of Tumor motion and Radiation Hyperthermia.	ICMR

e. List of Facilities/ Research Infrastructure

Name of the Research Lab	Major Facilities / Equipment Details
Radiation Oncology Department	Linear Accelerator, Tomotherapy, Brachytherapy, water phantoms, Radiation dosimeters

E. Department of ENT

a. Faculty:

Name of the Faculty	Link to the Faculty Profile in Amrita Website
Dr. N. N. Mathur	https://amritahospitals.org/faridabad/doctor/neeraj-narayan-mathur

b. Research areas: Audiology

c. Fundings / Projects: (Ongoing)

Title of the Project	Funding Agency
Auditory neuroscience in individuals with tinnitus	

d. List of Facilities/ Research Infrastructure

Name of the Research Lab	Major Facilities / Equipment Details
Audiology Lab	OAE, ABR, LLR, EcochG, Tinnitus masking and Assessment SPIN, Electrophysiological test instruments Auditory evoked potential instruments Dual Channel Audiometer

F. Department of Molecular Biology

a. Faculty:

Name of the Faculty	Link to the Faculty Profile in Amrita Website
Dr Moushumi Suryavanshi	https://amritahospitals.org/faridabad/doctor/moushumi-suryavanshi

b. Research areas: Translational research, biomarker discovery, Liquid Biopsy, genetic markers, Oncology

c. Fundings / Projects: (Ongoing)

Title of the Project	Funding Agency
Personalized breast cancer risk assessment screening with machine learning based tool incorporating pathogenic truncating gene variants, polygenic risk scores and non-genetic factors in Indian population.	Center for Excellence in Computational Engineering and Networking of Amrita School of Engineering, Coimbatore
Genomic Landscape of Biliary Tract Cancers in India: Insights from Comprehensive Molecular Profiling	Multi-institutional
Role of ctDNA in breast cancer, present utility and future perspective.	

d. List of Facilities/ Research Infrastructure

Name of the Research Lab	Major Facilities / Equipment Details
Molecular Biology Department	NGS- Illumina Nextseq2000, NGS- Ion torrent S5 Plus, Digital PCR, Seq studio flex eight capillary, Real time PCRs, Bioanalyser, Gel Doc, Qubit, Fluorescent In situ Hybridization

G. School of Nursing

Name of the Faculty	Contact information
Dr. Lekha Viswanath	Email lekhaviswanath@fbd.amrita.edu

Research area/priorities:

Nursing practice development, Nursing care outcomes, Nursing education, Nursing Management, Theoretical Nursing, Women and child health, Health promotion