

Ph.D and Master Positions in Genetics and Genomics

UAEU Genomics laboratory.

https://cmhs.uaeu.ac.ae/en/gen_lab/



Requirement:

- Have Master's and Bachelor's degrees.
- At least one of the degrees (Master's degree or Bachelor's degree) must be in Biological Science, Biomedical Science, Medical, Biomedical Engineering, Biomedical Informatics, Health Informatics or other related fields.
- Have interest in genetic laboratory processing and Data analysis.
- Have good character and attitude.
- A score of at least 6.5 on the IELTS or an equivalent TOFEL score.
- A team player and have strong communication skills.
- Critical and analytical scientific skills.
- Good oral and written proficiency in English.

Ph.D Research Area:

- 1) Elucidating the Molecular and Cellular Basis of Mendelian diseases in the UAE
- 2) The Genetic Architecture of pediatric kidney diseases in the UAE (Molecular and Cellular)
- 3) Identification of pathogenic genetic variants associated with juvenile idiopathic arthritis
- 4) Investigating the functional role of genetic associated with Neuropsychiatric diseases
- 5) Pathogenicity Prediction of Variants Using AI and Machine Learning

Location:

UAEU Genomics Laboratory, Department of Genetics and Genomics, College of Medical and Health Sciences, United Arab Emirates University, Al-Ain, Abu Dhabi, United Arab Emirates.

The Opportunity:

- Can apply Scholarships, Fellowships, or Graduate Assistantships (*PhD only*):
 - <https://www.uaeu.ac.ae/en/cgs/scholarship.shtml>
 - Typically, candidates will be able to find out the application status of their Scholarships, Fellowships, or Graduate Assistantships before they register as a Ph.D. student.
- In addition to the Scholarships, Fellowships, or Graduate Assistantships, you also have great chance to get Monthly Extra Bonus (*subject to availability*):
 - Up to AED 3,000 per month from supervisor's external research project, or
 - Up to AED 2,000 per month from supervisor's internal research project.
- Student hostel facilities near campus.
- Established state-of-the-art genomics facilities at the College of Medicine and Health Sciences (CMHS) for Genomic Next Generation Sequencing (NGS).
- Bioinformatics and Health Data Science infrastructure for analysis are provided such as High-Performance Computing (HPC), Graphical Processing Unit (GPU), and various software.
- Multidisciplinary team of scientists, physicians, and bioinformatics to activate an integrated system in an academic environment.

Enquiries:

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