

Ph.D Position in Health Data Science & Bioinformatics

Bioinformatics:

https://www.youtube.com/watch?v=MkXsy_VNwcQ

https://www.youtube.com/watch?v=3Xs7S3r_Eo0

Health Data Science:

<https://www.youtube.com/watch?v=RmU2zUlkfio>

https://www.youtube.com/watch?v=3W9_BfbNkSs

https://www.youtube.com/watch?v=zByJ9s_jtc4



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, Pharmacy, Computer Science, IT, Medical, Biomedical Engineering, Biomedical Informatics, Health Informatics or other related fields.
- Have interest in Artificial Intelligence and Data Science.
- 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.
- Good oral and written proficiency in English.

Ph.D Research Area:

- 1) Machine Learning and Big Data Analytics for Electronics Health Record
- 2) Pathogenicity Prediction of Variants Using AI and Machine Learning
- 3) AI and Machine Learning for Pharmacogenomics
- 4) Genotype-To-Phenotype Prediction Using AI and Machine Learning
- 5) AI and Machine Learning for Drug Discovery
- 6) Modelling and Simulation of Structural and Functional
- 7) AI and Machine Learning for Biomarker Detection and Cancer Classification
- 8) AI and Machine Learning for Epidemiology and Public Health



Location:

Health Data Science Lab, 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:
 - <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.
- Bioinformatics and Health Data Science infrastructure facilities are provided such as High-Performance Computing (HPC), Graphical Processing Unit (GPU), Next Generation Sequences Machine, PCR & Genotyping devices, workstation, etc.
- Team supervision - under experienced supervisors. They are clinician, scientist, and academician from different disciplines such as Medical, Biology, Data Science, AI, Computer Science, Pharmacy, Pharmacology, Epidemiology, etc.
- Opportunity to realize research attachments abroad such as in Japan, Europe, Australia, Malaysia, and New Zealand.

Enquiries:

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