

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

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, Medical, Biomedical Engineering, Biomedical Informatics, Health Informatics or other related fields.
- High 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:

- Machine Learning and Big Data for Electronics Health Record Predictive
- Pathogenicity Prediction of Variants Using AI and Machine Learning
- AI and Machine Learning for Pharmacogenomics
- Genotype-To-Phenotype Prediction Using AI and Machine Learning
- AI and Machine Learning for Drug Discovery
- Machine Learning and Artificial Intelligence for Cardiovascular Diseases.
- AI and Machine Learning for Biomarker Detection and Cancer Classification
- AI and Machine Learning for Epidemiology and Public Health
- Data Science for Medical Imaging



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:

- Highly potential to get 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, and Graduate Assistantships before they register as a Ph.D. student.
- 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 Biology, Data Science, AI, Computer Science, Pharmacy, Pharmacology, etc.
- Opportunity to realize research attachments abroad such as in Japan, Europe, Australia, Malaysia, and New Zealand.

Enquiries:

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