

Exciting Opportunities in Medical AI at HKU



The Medical AI Lab led by Dr. Lequan Yu at The University of Hong Kong is recruiting self-motivated **PhD students, postdoctoral fellows, research assistants, interns, and other research positions.** The lab focuses on the interdisciplinary research and application of artificial intelligence and healthcare. We are dedicated to designing advanced machine learning algorithms for biomedical data analysis, primarily focusing on medical images, to improve medical decision-making.

Who We Are

The University of Hong Kong (HKU) is consistently ranked amongst the world's top universities: 21st under QS World University Rankings 2023, and world #1 most international university under Times Higher Education World University Rankings 2022. It is a leading university in Asia with 31,000 undergraduate and postgraduate students and more than 8,000 academic, academic-related and administrative staff. Home to ten disciplinary Faculties, HKU is committed to fostering interdisciplinary exchange across diverse subject expertise to address global issues impacting humanity in the rapidly changing world.

Dr Lequan Yu is an Assistant Professor at the Department of Statistics and Actuarial Science, and also the course co-coordinator of BASc (Applied AI) program, The University of Hong Kong. Before joining HKU, he was a postdoctoral research fellow at Stanford Medical School. He obtained his Ph.D. degree from The Chinese University of Hong Kong in 2019 and Bachelor's degree from Zhejiang University in 2015, both in Computer Science. He has rich R&D experience in the interdisciplinary field of artificial intelligence and biomedical data analysis. He has published more than 70 top-tier journal and conference papers (Google Scholar Citations 12000+, h-index 48) in this field. He has also served as the Principal Investigator of several grants in this field, including

RGC, ITF, and NSFC. He was in the World's First List of Top 150 Chinese Young Scholars in Artificial Intelligence (2022) and ranked by Clarivate Analytics in the top 1% worldwide (2023), Top 2% of Scientists on Stanford List (2022 & 2023). He won MICCAI Young Scientist Publication Impact Award Runner-up (2023), CUHK Young Scholars Thesis Award (2019), and Best Paper Award of Medical Image Analysis- MICCAI (2017). He also serves as the area chair/senior PC member of MICCAI, IJCAI, AAAI, and the reviewer for top-tier journals and conferences.

Homepage: <https://yulequan.github.io/>

Lab homepage: <https://hku-medai.github.io/>

Google Scholar: <https://scholar.google.com/citations?user=llXf3wUAAAAJ&hl=en>

Recruitment Details

PhD students are mainly for admission in the **fall of 2024 (limited position) and 2025**, and a full scholarship (about HKD 18,500 per month) will be provided, and those who are particularly outstanding are recommended to apply for the [HKU Presidential PhD Scholar Programme \(HKU-PS\)](#) and [Hong Kong PhD Fellowship Scheme \(HKPFS\)](#). The amount of the HKUPS/HKPFS will receive a package of up to around HKD427,100 in the first year, and up to around HKD407,100 in each of the subsequent years during the normative study period. For more details, please refer to: https://gradsch.hku.hk/prospective_students/programmes/doctor_of_philosophy

Postdoctoral fellows holding a doctorate in artificial intelligence, computer vision, medical image analysis, bioinformatics, or related fields are welcome. The requirements are as follows:

1. Strong programming in deep learning frameworks, e.g., Pytorch, Tensorflow, etc.
2. Experience in multimodal learning, computational pathology, bioinformatics is preferred.
3. Publications in top-tier AI or medical image analysis conferences/journals such as TPAMI, TMI, MIA, NeurIPS, CVPR, MICCAI, AAAI, IJCAI, etc, are preferred.
4. **Strong self-motivation and curiosity** are preferred.

For undergraduate and master students, **research positions such as research assistant and intern** are also available. A minimum of 6 months is required. You can also consider the application of [HKU Summer Research Programme 2024](#).

How to Apply

Interested candidates are welcome to send their resumes, transcripts and other relevant materials to Dr. Yu's email: lqyu@hku.hk. Please indicate the application position in the subject of email.