# AI for Healthcare/Science


**Description:**

The Smart Lab led by Prof. Hao Chen from The Hong Kong University of Science and Technology is recruiting **PhD students, postdoctoral fellows, research assistants,** and **visiting interns.** Prof. Chen is committed to the research and application of cutting-edge AI technologies for medicine and science. He has rich academic as well as industrial experience and provides sufficient resources for the research group members.

**Who We Are?**

The **Hong Kong University of Science and Technology (HKUST)** is a top and internationally renowned research university (ranked 34th in the world in the 2022QS World University Rankings, ranked the 10th in the world under the subject of Data Science and AI). HKUST is located on the Clear Water Bay in Hong Kong. It is built on the mountain facing the sea and has an ideal research environment. The Department of Computer Science and Engineering of HKUST ranks among the best in the world ranking of computer science and engineering.

**Prof. Hao Chen** is an Assistant Professor at the Department of Computer Science and Engineering, Department of Chemical and Biological Engineering and Division of Life Science, The Hong Kong University of Science and Technology. He leads the Smart Lab focusing on developing trustworthy AI for healthcare/science. He received the Ph.D. degree from The Chinese University of Hong Kong (CUHK) in 2017. He has 100+ publications (Google Scholar Citations 25K+, h-index 63) in MICCAI, IEEE-TMI, MIA, CVPR, AAAI, Nature Communications, Radiology, Lancet Digital Health, Nature Machine Intelligence, JAMA, etc. He also has rich industrial research experience (e.g., Siemens), and holds a dozen of patents in AI and medical image analysis. He received several premium awards such as Asian Young Scientist Fellowship in 2023, MICCAI Young Scientist Impact Award in 2019, Forbes China 30 under 30 and several best paper awards. He serves as the

Associate Editor of multiple journals including IEEE Transactions on Neural Networks and Learning Systems, Journal of Biomedical and Health Informatics, Neurocomputing, Computerized Medical Imaging and Graphics, Medical Physics, etc. He serves as the Program Committee of multiple international conferences including Area Chair of MICCAI 2021-2023, ACM MM 2024, MIDL 2022-2023, CVPR 2023 and SPC of AAAI 2022, etc. He also led the team winning 15+ medical grand challenges.

**Homepage**: https://cse.hkust.edu.hk/~jhc/
**Google Scholar**: https://scholar.google.com.hk/citations?user=Z_t5DjwAAAAJ&hl=en
**Lab website**: https://hkustsmartlab.github.io/

**Eligibility:**

**PhD/MPhil students** can be enrolled in the spring or fall of each year, and a full scholarship (about HKD 18,500 per month) will be provided, and those who are outstanding are recommended to apply for the Hong Kong PhD Fellowship Scheme (HKPFS). The amount of the HKPFS is around HKD 26,600 per month, plus a travel allowance of HKD 13,300 each year. In addition, HKUST gives each awardee a one-time reward of HKD 40,000. For more details, please refer to postgraduate admission page: https://cse.hkust.edu.hk/pg/admissions/

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

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

For undergraduate and master students, **research positions such as visiting intern and research assistant** are also available. A minimum of 6 months is required (remote mode is also acceptable).

**How to Apply?**

Interested candidates are welcome to send your **resumes, transcripts, papers, awards** and other relevant materials to Prof. Chen's email: **jhc@ust.hk**. Please indicate the application position in the subject of email.