



Recruitment for “AI for Neuroimaging” Postdoctoral Fellow

The Lab for Brain Imaging Research at Tsinghua (BIRTH) (<https://birthlab.github.io>) is affiliated with the School of Biomedical Engineering at Tsinghua University. It was founded in 2023 by Dr. Qiyan Tian and is committed to the birth of new brain imaging tools and new discoveries for neuroscience and brain diseases. Dr. Tian is an Assistant Professor of the School of Biomedical Engineering at Tsinghua and a Junior Fellow of ISMRM. He obtained his PhD degree in Electrical Engineering at Stanford University in 2017 and received doctoral and postdoctoral training at the Stanford Lucas Imaging Center and the MGH Martinos Biomedical Imaging Center, respectively. He was an Instructor in Radiology at Harvard Medical School before joining Tsinghua. In accordance with the lab's project development needs, BIRTH Lab is recruiting **one postdoctoral researcher in the field of “AI for Neuroimaging”**. The selected candidate will also be strongly recommended to apply for “**Shuimu Tsinghua Scholar Program**” of Tsinghua University (<https://postdoctor.tsinghua.edu.cn/info/zxtz/2174>).

Position Title

Postdoctoral Fellow (1 position)

Responsibilities

The research focuses on advanced brain imaging technologies, particularly AI for Neuroimaging, including deep learning for medical image computing, vision-language large models, and image-based neurosurgical navigation etc.

Qualifications

1. A Ph.D. degree in Biomedical Engineering, Computer Science, Electrical Engineering, Software Engineering, or related fields, completed within the last three years, and under 35 years old;
2. Strong research skills and independent research capabilities from Ph.D. training;
3. One or more high-quality first-authored research journal papers;
4. Strong proficiency in English, as well as excellent communication skills and a collaborative spirit;
5. Research background in deep learning and biomedical imaging.

Benefits

1. Receive strong support for the "Shuimu Tsinghua Scholar Program", which offers an annual salary of 300,000 RMB (pre-tax) and additional benefits;
2. Receive benefits from Tsinghua University, including on-campus housing (or subsidies), children's school enrollment, and household registration for the researcher and family;
3. Receive additional benefits from the lab, including competitive postdoctoral salary and support for funding application.

Application Process

Contact Information: birthlab@163.com

The application deadlines for the 2025 Shuimu Tsinghua Scholar Program:

- First round: March 28, 2025
- Second round: September 26, 2025

Required application materials:

1. Cover letter;
2. Detailed CV;
3. Representative publications;
4. Names and contact information of two referees;
5. Other necessary documents.

Please use the following format for the email subject: "Postdoctoral Application – [Name] – [Current Institution]." Qualified candidates will be notified via email to schedule an interview.



BIRTH Lab
WeChat official account



田启源清华脑影像实验室招募2025年 AI for Neuroimaging方向博士后1名

清华大学脑影像实验室 (Lab for Brain Imaging Research at Tsinghua, BIRTH) 隶属于清华大学生物医学工程学院, 由田启源博士于2023年成立 (<https://birthlab.github.io>), 长期致力于为脑影像新工具与脑科学、脑疾病新发现的诞生 (birth) 做出贡献。田博士现任清华大学生物医学工程学院助理教授、特别研究员、博导, 国际医学磁共振学会青年会士。2017年获斯坦福大学电子工程系博士学位, 在斯坦福大学Lucas影像中心开展博士研究, 在哈佛大学医学院-麻省总医院Martinos生物医学影像中心开展博后研究, 加入清华前任哈佛大学放射系Instructor。

现根据课题组项目发展的需要, 招募“人工智能赋能人脑影像” (AI for Neuroimaging) 研究方向博士后1名, 并推荐申请清华大学“水木学者”计划 (<https://postdoctor.tsinghua.edu.cn/info/zxtz/2097>)。“水木学者”计划由清华大学于2019年设立, 旨在吸引优秀青年学者来清华大学开展研究工作, 支持青年学者学术生涯发展, 培育各领域拔尖人才。“水木学者”计划为入选青年人才提供30万元年薪(税前)、博士后周转公寓或每年4.2万元租房补贴、在站满三年可申请评定副研究员任职资格等福利待遇。

招募岗位

博士后 (1名)

岗位职责

开展先进人脑影像技术开发及脑科学和脑疾病应用研究, 主要方向是“人工智能赋能人脑影像” (AI for Neuroimaging), 包括深度学习医学影像计算、视觉语言大模型、基于影像的神经外科手术导航等。

岗位要求

1. 具有或即将获得生物医学工程、计算机科学、电子工程、软件工程等相关专业博士学位, 品学兼优, 身体健康, 年龄在35周岁以下, 获得博士学位年限一般不超过3年;
2. 博士期间受过良好的科研训练, 具有良好的科研素质, 能独立开展科研工作
3. 以第一作者身份发表过高水平研究性期刊论文;
4. 具有良好的英文听说读写能力, 有良好的沟通能力及团队合作精神;
5. 具有深度学习及生物医学影像研究背景。

岗位待遇

1. 课题组全力支持申请清华大学“水木学者”计划, 入选者将享受“水木学者”计划福利待遇, 包括30万元年薪(税前)等;
2. 享受清华大学提供的博士后政策和福利待遇, 包括校内可租住的博士后公寓(或相应的住房补贴)、子女入园入学、本人及家属的户籍迁移政策等;
3. 享受实验室提供的博士后政策和福利待遇, 包括具有国际竞争力的博士后薪酬、各类博士后基金与人才项目申请支持等。

应聘方式

有兴趣的应聘者请将以下资料发送至邮箱: birthlab@163.com。

“水木学者”计划2025年第一批申报申请者提交材料时间为2025年3月28日前, 第二批申报申请者提交材料时间为2025年9月26日前。

1. 求职信 (Cover Letter);
2. 详细个人简历;
3. 代表性论文;
4. 两位推荐人的姓名和联系方式;
5. 其他证明材料。

邮件主题请注明: 应聘博士后-姓名-现工作单位。初选合格者将通过邮件通知安排面试。



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