



安丽军



临床科学系 (马尔默)
隆德大学

电话: (+46) 760552385
电子邮箱: lijun.an@med.lu.se

工作经历

- 2024.03 至今 博士后研究员
DeMON Lab, 临床科学系 (马尔默)
隆德大学 (2025 QS 排名:72)
导师: Jacob Vogel
- 2023.12 – 2024.03 研究助理
Computational Brain Imaging Group, 杨璐龄医学院,
新加坡国立大学 (2025 QS 排名:8)
导师: B.T. Thomas Yeo

教育经历

- 2019.01 – 2024.01 新加坡国立大学, 新加坡
博士, 电子和计算机工程系
导师: B.T. Thomas Yeo
- 2014.08 – 2018.06 哈尔滨工业大学, 中国
工学学士, 电气工程及自动化学院
导师: 赵勃, 谭久彬 (中国工程院院士)
- 2017.09 – 2018.01 里昂国立应用科学学院, 法国
交换生, 通信系

研究方向

神经退行性疾病, 精神疾病, 医学影像, 多组学数据分析;

深度学习, 机器学习, 统计.

学术出版

- [1] **An, L.**, Pichet Binette, A., Hristovska, I., Vilkaite, V., Xiao, Y., Zendejdel, R., Z, Dong., Smets, B., Saloner, R., Tasaki, S., Xu, Y., Krish, V., Imam, F., Janelidze, S., Western, D., the Global Neurodegeneration Proteomics Consortium (GNPC), Stomrud, E., Whelan, C D., Palmqvist, S., Ossenkoppele, R., Mattsson-Carlgren, N., Hansson, O., Vogel, J. W. (2026). A deep joint-learning proteomics model for diagnosis of six conditions associated with dementia. *Nature Medicine*.
- [2] Finney, C. A., **An, L.**, Winchester, L. M., Vogel, J., Wilkins, H. M., Burns, J. M., ... & Shvetsov, A. (2025). Mapping the circulating proteome across neurodegeneration: A harmonized, consortium-scale framework for uncovering molecular pathophysiology. *bioRxiv*, 2025-12.
- [3] Wei, B., Xu, Z., Zhu, J., ... , **An, L.**, Sun, XL., Yi, C. (2025). The geno-biomechanical similarity between functional and idiopathic scoliosis from kinematic, muscle activation, vertebral loading and the pathological gene expression perspectives. *medRxiv*, 2025-11.

- [4] Lu, L., Pichet Binette, A., ..., **An, L.**, ... & Mattsson-Carlsson, N. (2025). Proteomic signatures of the APOE ε4 and APOE ε2 genetic variants and Alzheimer's disease. *medRxiv*, 2025-10.
- [5] Zhang, C., **An, L.**, Wulan, N., Nguyen, K. N., Orban, C., Chen, P., ... & Australian Imaging Biomarkers and Lifestyle Study of Aging. (2024). Cross-dataset Evaluation of Dementia Longitudinal Progression Prediction Models. *Human Brain Mapping*, 46(11), e70280.
- [6] Imam, F., Saloner, R., Vogel, J. W., Krish, V., Abdel-Azim, G., Ali, M., **An, L.**, ..., Lovestone, S. (2025). The Global Neurodegeneration Proteomics Consortium: Biomarker and Drug Target Discovery for common neurodegenerative diseases and aging. *Nature Medicine*, 1-11.
- [7] Ooi, L. Q. R., Orban, C., ..., **An, L.**, ... & Yeo, B. T. (2024). MRI economics: Balancing sample size and scan duration in brain wide association studies. *Nature*, 1-10.
- [8] Xiao, Y., Spotorno, N., **An, L.**, Bazinet, V., Hansen, J. Y., Strandberg, O., ... & Vogel, J. W. (2025). Brain network dynamics determine tau presence while regional vulnerability governs tau load in Alzheimer's disease. *bioRxiv*, 2025-04.
- [9] Orchard, E. R., Chopra, S., Ooi, L. Q. R., Chen, P., **An, L.**, Jamadar, S. D., ... & Holmes, A. J. (2024). Protective role of parenthood on age-related brain function in mid-to late-life. *Proceedings of the National Academy of Sciences*, 122(9), e2411245122.
- [10] Chopra, S., Dhamala, E., Lawhead, C., Ricard, J., Orchard, E., **An, L.**, ... & Holmes, A. (2023). 252. Reliable and Generalizable Brain-Based Predictions of Cognitive Functioning Across Common Psychiatric Illness. *Science Advances*, 2024, 10(45): eadn1862.
- [11] **An, L.**, Zhang, C., Wulan, N., Zhang, S., Chen, P., Ji, F., ... & Australian Imaging Biomarkers and Lifestyle Study of Aging. (2024). DeepResBat: deep residual batch harmonization accounting for covariate distribution differences. *Medical Image Analysis*, 103354.
- [12] Wulan, N., **An, L.**, Zhang, C., Kong, R., Chen, P., Bzdok, D., ... & Yeo, B. T. (2024). Translating phenotypic prediction models from big to small anatomical MRI data using meta-matching. *Imaging Neuroscience*, 2, 1-21.
- [13] Chen, P., **An, L.**, Wulan, N., Zhang, C., Zhang, S., Ooi, L. Q. R., ... & Yeo, B. T. (2024). Multilayer meta-matching: translating phenotypic prediction models from multiple datasets to small data. *Imaging Neuroscience*, 2, 1-22.
- [14] Zhang, S., Larsen, B., Sydnor, V. J., Zeng, T., **An, L.**, Yan, X., ... & Yeo, B. T. (2023). In-vivo whole-cortex estimation of excitation-inhibition ratio indexes cortical maturation and cognitive ability in youth. *Proceedings of the National Academy of Sciences*, 121(23), e2318641121.
- [15] Yan, X., Kong, R., Xue, A., Yang, Q., Orban, C., **An, L.**, ... & Yeo, B. T. (2023). Homotopic local-global parcellation of the human cerebral cortex from resting-state functional connectivity. *NeuroImage*, 273, 120010.
- [16] **An, L.**, Chen, J., Chen, P., Zhang, C., He, T., Chen, C., ... & Alzheimer's Disease Neuroimaging Initiative. (2022). Goal-specific brain MRI harmonization. *NeuroImage*, 263, 119570.
- [17] He, T., **An, L.**, Chen, P., Chen, J., Feng, J., Bzdok, D., ... & Yeo, B. T. (2022). Meta-matching as a simple framework to translate phenotypic predictive models from big to small data. *Nature neuroscience*, 25(6), 795-804.
- [18] Nguyen, M., He, T., **An, L.**, Alexander, D. C., Feng, J., Yeo, B. T., & Alzheimer's Disease Neuroimaging Initiative. (2020). Predicting Alzheimer's disease progression using deep recurrent neural networks. *NeuroImage*, 222, 117203.

国际会议及受邀讲座

| | |
|--|--------------------|
| AD/PD 2026 Benchmarking the AI-based diagnostic potential of plasma proteomics for neurodegenerative disease in 17,187 people. | 2026年3月 丹麦 |
| AAIC 2025 Benchmarking the AI-based diagnostic potential of plasma proteomics for neurodegenerative disease in 17,170 people. | 2025年7月 加拿大(线上) |
| 耶鲁大学 Deep learning for brain MRI harmonization | 2023年6月 美国 |
| Singapore Longevity Science Symposium Goal-specific brain MRI harmonization | 2022年9月 新加坡 |
| 人类脑图谱会议 Application-specific brain MRI harmonization | 2022年6月 英国 |
| 新加坡国立大学 Task-specific brain MRI harmonization | 2021年11月 新加坡 |
| 新加坡国立大学 Benchmarking brain MRI harmonization | 2022年10月 新加坡 |
| Tadpole-share Symposium Modeling Alzheimer's disease using deep recurrent neural networks | 2020年7月 荷兰 |

基金

| | |
|--|---------------|
| NAISS, Sweden NAISS Small Compute Round (PI) | 2026年1月 瑞典 |
| UKB RAP, UK RAP Getting Started Credits (£1,000) | 2025年3月 英国 |
| NAISS, Sweden NAISS Small Compute Round (PI) | 2024年4月 瑞典 |

荣誉奖项

| | |
|--------------------------------------|---|
| Travel Grant (14, 950 SEK) | Royal Physiographic Society of Lund, 2026 |
| Junior Faculty Award | AD/PD Conference, 2026 |
| Multipark Travel Grant (18, 000 SEK) | Multipark, 2025 |
| AAIC 2025 Conference Fellowship | 阿尔兹海默症协会, 2025 |
| NUS Research Scholarship | 新加坡国立大学, 2019 |
| 2018 届优秀毕业生 | 哈尔滨工业大学, 2018 |
| 国家奖学金 | 教育部, 2017 |

教学经历

| | |
|--|---|
| Master student (RZ) mentorship | Lund University, 2025 - Now |
| Junior Ph.D. students (CZ/PC) mentorship | National University of Singapore, 2021 – 2024 |
| CG2028 (Teaching Assistant) | National University of Singapore, 2019 - 2022 |
| Master student (ZG) mentorship | National University of Singapore, 2019 - 2020 |

受邀审稿

| | |
|---|------|
| Medical Image Analysis | 2026 |
| Aperture Neuro | 2026 |
| npj Digital Medicine | 2025 |
| Alzheimer's & Dementia | 2025 |
| Human Brain Mapping | 2025 |
| npj Aging | 2025 |
| Aperture Neuro | 2025 |
| Human Brain Mapping | 2025 |
| Imaging Neuroscience | 2024 |
| Imaging Neuroscience | 2024 |
| Imaging Neuroscience | 2024 |
| IEEE journal of biomedical and health informatics | 2024 |
| IEEE journal of biomedical and health informatics | 2024 |
| PLOS Computation Biology | 2024 |
| PLOS Computation Biology | 2024 |
| NeuroImage | 2024 |
| NeuroImage | 2024 |
| NeuroImage | 2023 |
| NeuroImage | 2023 |

新闻

- 发表于 [Medical Image Analysis](#) 关于核磁共振影像协调的一篇文章被 [brainnews](#) 报道
- 育儿数量对脑功能老化保护作用的合作文章被 [New Scientist Magazine](#) 及 [Nature News Feature](#) 报道
- 发表于 [Nature Neuroscience](#) 关于在小型核磁共振影像数据集上提高表型预测的合作文章被 [Sohu News](#) 及 [Nature Neuroscience News & Views](#) 报道

开源贡献

| | |
|---|---------------------------------------|
| https://github.com/ThomasYeoLab/CBIG | Contributor (382 Forks & 579 Stars) |
| https://github.com/ThomasYeoLab/Meta_matching_models | Administrator (10 Forks and 11 Stars) |
| https://github.com/tadpole-share/tadpole-algorithms | Contributor (9 Forks and 6 Stars) |
| https://github.com/ThomasYeoLab/Standalone_Nguyen2020_RNNAD | Contributor (2 Forks and 7 Stars) |
| https://github.com/ThomasYeoLab/Standalone_He2022_MM | Administrator (1 Forks and 1 Stars) |
| https://github.com/ThomasYeoLab/Standalone_An2022_gcVAE | Administrator (1 Forks and 2 Stars) |
| https://github.com/ThomasYeoLab/Standalone_An2024_DeepResBat | Administrator (1 Forks and 1 Stars) |