



安 丽 军



临床科学系(马尔默)
隆德大学

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教育经历

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|-------------------|--|
| 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 |
| 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.

工作经历

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|-------------------|--|
| 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: 75)
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 |

学术出版

- [1] 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.
- [2] 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.
- [3] 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. *medRxiv*, 2024-11.

- [4] 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.
- [5] **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.
- [6] 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*, Under Revision.
- [7] 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.
- [8] 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.
- [9] 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.
- [10] 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.
- [11] **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.
- [12] 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.
- [13] 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

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

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

技能

程序语言	Python, MATLAB, R, Shell, C
软件	FreeSurfer, PyTorch, scikit-learn, SciPy
语言	Proficient in Chinese and English (written and spoken)

荣誉奖项

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

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

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作文章被 [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>

https://github.com/ThomasYeoLab/Meta_matching_models

<https://github.com/tadpole-share/tadpole-algorithms>

https://github.com/ThomasYeoLab/Standalone_Nguyen2020_RNNAD

https://github.com/ThomasYeoLab/Standalone_He2022_MM

https://github.com/ThomasYeoLab/Standalone_An2022_gcVAE

https://github.com/ThomasYeoLab/Standalone_An2024_DeepResBat

Contributor (382 Forks & 579 Stars)

Administrator (10 Forks and 11 Stars)

Contributor (9 Forks and 6 Stars)

Contributor (2 Forks and 7 Stars)

Administrator (1 Forks and 1 Stars)

Administrator (1 Forks and 2 Stars)

Administrator (1 Forks and 1 Stars)