

Min Yang

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Research interests: Cancer biology, Tumor evolution and ecosystem, Embryo development, Single cell multiome, Spatial transcriptome

Education

09/2017 – 07/2022 PhD student at Cell Biology, Peking University, China (Dr. Peng Du)

09/2013 – 07/2017 Undergraduate student at Bioinformatics, Zhengzhou University, China

Postdoctoral Training

08/2023 – date Massachusetts General Hospital Molecular Pathology, Harvard Medical School (Dr. Mario Suvà)

09/2022 – date Massachusetts General Hospital Cancer Center, Harvard Medical School, Howard Hughes Medical Institute (Drs. Daniel Haber/Shyamala Maheswaran/Michael Lawrence)

Research Experience

Dr. Mario Suvà's lab, Molecular Pathology, Massachusetts General Hospital

08/2023 – date

Research Projects:

- Dissecting the gene regulation of cellular states in glioblastoma

Drs. Daniel Haber and Shyamala Maheswaran's labs, Center for Cancer Research, Massachusetts General Hospital

09/2022 – date

Research Projects:

- Estrogen receptor heterogeneities in circulating tumor cells

Dr. Peng Du's lab, School of Life Sciences, Peking University

08/2018 – 07/2022

Research Projects:

- Spatiotemporal insight into early pregnancy governed by immune-featured stromal cells
- Mouse totipotent stem cells captured and maintained through spliceosome repression
- Capturing and maintenance of human totipotent stem cells before zygotic genomic activation
- Decoding the temporal and regional specification of microglia in the developing human brain
- Decoding the development of multiple human brain regions at single cell resolution

Dr. Xiao-dong Su's lab, School of Life Sciences, Peking University

08/2016 – 11/2018

Research Projects:

- Tn5 transposase purification and library generation through Tn5 tagmentation

Publications

Li, S.*, **Yang, M.***, Shen, H.*, Ding, L.*, Lyu, X., Lin, K., Ong, J., Du, P. (2024). Capturing and maintenance of human totipotent stem cells before zygotic genomic activation. **Cell**. 187(13), 3284–3302.e23. (*Co-first author)

Yang, M.*, Ong, J.*, Meng, F., Zhang, F., Shen, H., Kitt, K., Liu, T., Tao, W., and Du, P. (2023). Spatiotemporal insight into early pregnancy governed by immune-featured stromal cells. **Cell** 186, 4271-4288 e4224.

Li, Y.*, Li, Z.*, Wang, C.*, **Yang, M.***, Wang, F., Zhang, Y., Li, R., Gong, Y., Wang, B., Fan, B., Wang, C., Chen, L., Li, H., Ong, J., Wang, Y., Jin, L., Du, P., Dong, J., and Jiao, J. (2023). Spatiotemporal transcriptome atlas reveals the regional specification of the developing human brain. **Cell** 186(26), 5892–5909.e22.

Shen, H.*, **Yang, M.***, Li, S.*, Zhang, J., Peng, B., Wang, C., Chang, Z., Ong, J., and Du, P. (2021). Mouse totipotent stem cells captured and maintained through spliceosomal repression. *Cell* 184, 2843-2859 e2820.

Li, Y.*, Li, Z.*, **Yang, M.***, Wang, F.*, Zhang, Y., Li, R., Li, Q., Gong, Y., Wang, B., Fan, B., et al. (2022). Decoding the temporal and regional specification of microglia in the developing human brain. **Cell Stem Cell** 29, 620-634 e626.

Awards

2022	Excellent Graduate Thesis of Peking University
2020-2021	China National Scholarship
2020-2021	Exceptional Award for Academic Innovation