



Lulu Xing

Affiliate,

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Lulu received her undergraduate degree in Biomedicine with Honours and PhD degree in neuroscience from the Florey Institute of Neuroscience and Mental Health, the University of Melbourne, Australia. During her PhD, she identified a major under-appreciated role for subventricular zone-derived neural precursor cells in the process of myelin regeneration after demyelinating injury. After PhD, Lulu worked at the Australian Regenerative Medicine Institute, Monash University as a postdoctoral fellow in Dr. Tobias Merson's group, with a focus on developing mouse models to study the molecular and cellular mechanisms underlying myelination mediated by distinct types of endogenous brain stem cells in health and disease. In particular, Lulu developed a novel mouse model of conditional OPC ablation, which could be adopted in different neurological contexts to further advance our knowledge and understanding of OPC biology. Lulu worked at the Petritsch lab in the Department of Neurosurgery, Stanford School of Medicine as a research scientist (2022-2025), seeking to understand the role of OPCs in the development of glioma as tumour-initiating cells and how they are regulated by complex interactions with several cell types within the tumour microenvironment, using a combination of transgenic mouse models, advanced imaging techniques and single cell biology approaches.