Preclinical imaging at MBI - Dr Michael de Veer
Monash Biomedical Imaging (MBI) provides multimodal imaging technologies and imaging expertise to preclinical researchers from academia and industry. Researchers are assisted at all stages of their projects to ensure they maximize use of MBI’s technologies and the data produced.

In this seminar, Dr Michael de Veer will highlight the research applications that can benefit from MBI’s non-invasive imaging technologies, including high-field MRI, high-resolution PET-SPECT-CT and small animal ultrasound. Research facilitated by MBI’s Preclinical Team will also be discussed.

Hyperpolarized xenon MR imaging of lung - Dr Gang Zheng
MRI provides very high-resolution images of solid organs and musculoskeletal structures. However, conventional proton MRI has not been useful for lung imaging due to low proton density and high susceptibility between air and tissue, which produces poor lung images.

In this seminar, Dr Gang Zheng will discuss hyperpolarized xenon with MRI, which has revolutionized the field of functional lung imaging and resulted in novel physiological measurements. This imaging breakthrough has been invaluable in expanding our understanding of pulmonary physiology, with potential clinical applications in lung diseases.

View on Zoom at monash.zoom.us/j/611675966
platforms.monash.edu/mbi