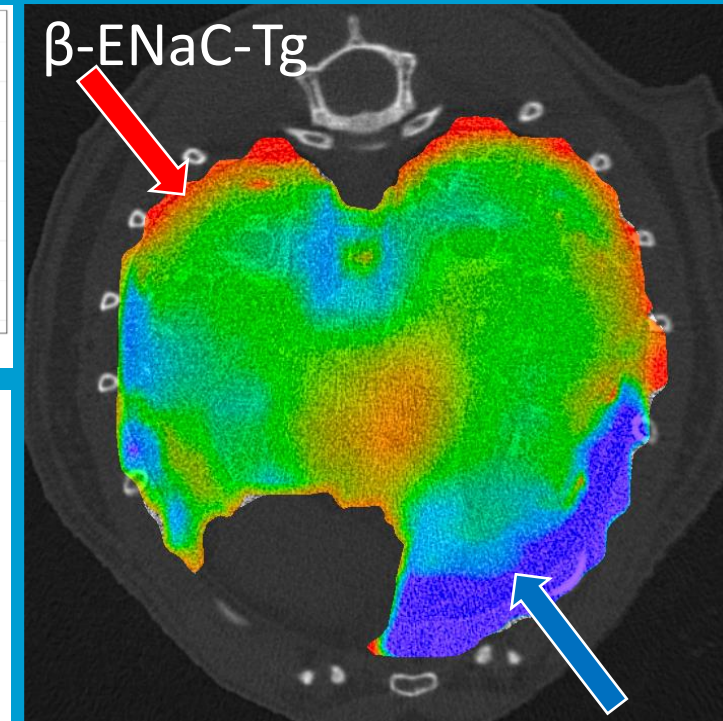
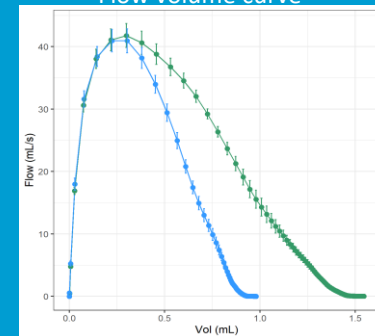
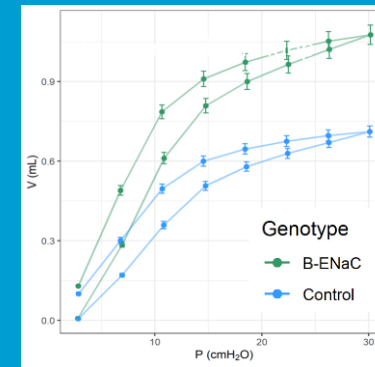
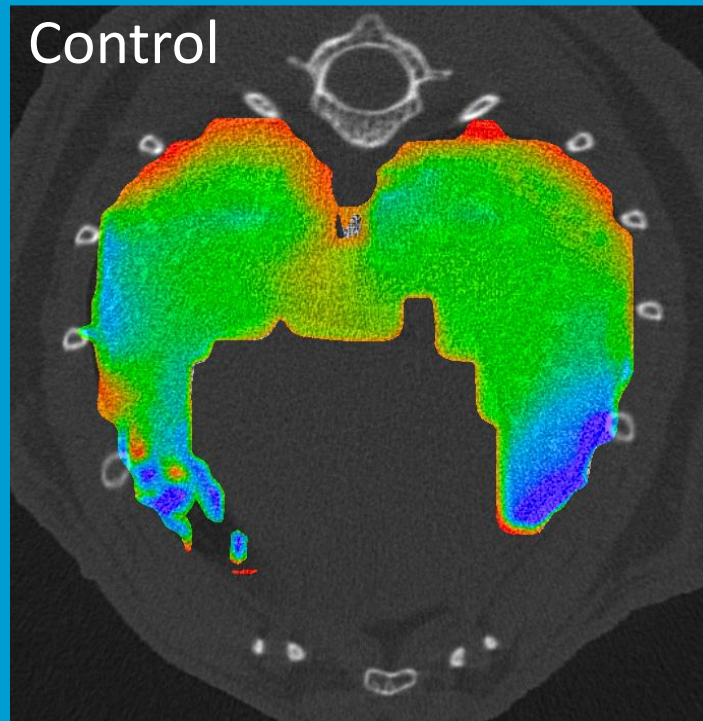
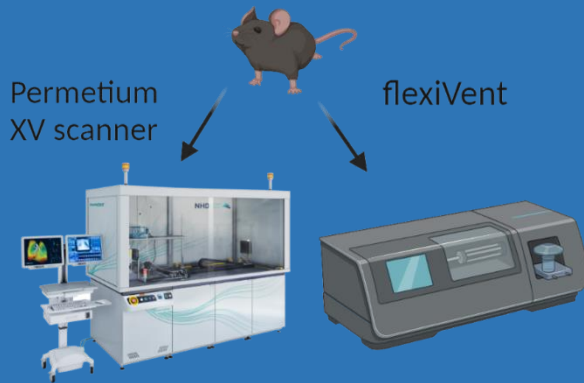


X-ray velocimetry identifies peripheral ventilation changes in β -Epithelial-Na-Channel-Tg mice

Aim: Undertake a comprehensive lung function and mechanics analysis of adult β -ENaC mice, a model of muco-obstructive lung disease.

Methods: X-ray Velocimetry scans were acquired with a 4DMedical Permetium scanner, and lung mechanics were assessed with a Scireq flexiVent



Results: β -ENaC-Tg mice exhibited patchy airflow across the lungs and regions of altered ventilation in the peripheral regions of the lungs. β -ENaC-Tg mice demonstrated mechanical properties of an emphysematous model.