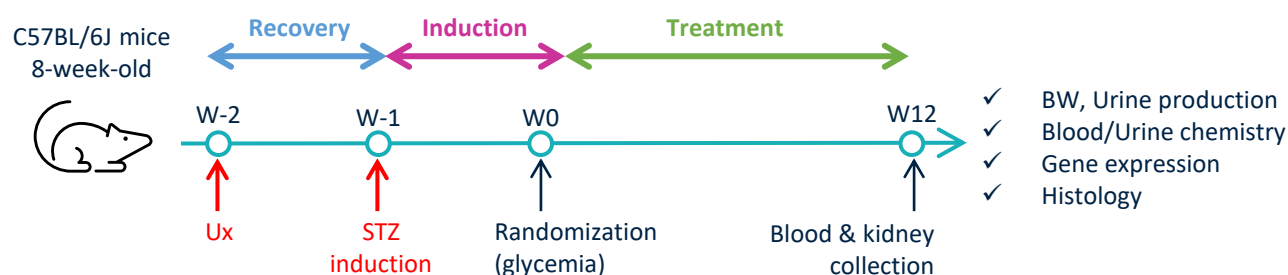


Our UNx/STZ model combines streptozotocin-induced diabetes with unilateral nephrectomy to accelerate DKD progression. The model reproduces key features of DKD, including hyperglycemia, progressive albuminuria, glomerular injury, renal inflammation and interstitial fibrosis. It is designed for efficacy testing of compounds targeting inflammation, fibrosis or renal functional decline.

Model features

- Diabetic mice with sustained hyperglycemia
- Progressive albuminuria and renal stress
- Interstitial fibrosis and glomerular hypertrophy
- Reference treatment : Empagliflozin / NAC combo

Study design



Model readouts

