A. Retinal toxicity of increasing doses of intravitreal rtPA in healthy rats at 24 hours and 7 days

- T-24 hours = ERG
- T0 = Intravitreal injection
- T 24 hours (n=12, 24 eyes)
- T 7 days (n=12, 24 eyes)

2.16 μg/5μL (n=6, 12 eyes)
0.54 μg/5μL (n=6, 12 eyes)
0.27 μg/5μL (n=6, 12 eyes)
Saline (n=6, 12 eyes)

ERG + Intravitreal injection of Annexin V-FITC + Sacrifice
Quantification of apoptotics cells in flat-mounted retina

B. Retinal toxicity of 0.27μg/5μL of rtPA on NMDA-induced excitotoxicity conditions at 18 hours

- T0 = Intravitreal injection
- T 18 hours

NMDA + saline (n=9, 18 eyes)
NMDA + rtPA 0.27 μg/5μL (n=9, 18 eyes)

Annexin V-FITC + Sacrifice + Quantification of dead cells in flat-mounted retinas (n=6, 12 eyes)

Sacrifice + Quantification of living cells in flat-mounted retinas (n=6, 12 eyes)
Sacrifice + Quantification of living cells in radial sections (n=6, 12 eyes)