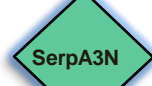


a**High Pain / Low Pain**

(genetically separated rats)

Whole genome DRG Expression Screen

**SerpA3N**

Role – Gain / Loss-of Function

**Pain ++**

SerpA3N KO

**Pain --**

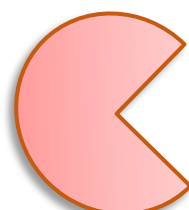
rSerpA3N injection



SerpA3N Functional Partner Assay

Leukocyte Elastase (LE)

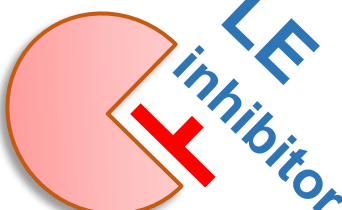
T cells

**LE**
Pain

T cells neurons

**LE ↓**
↓ Pain
Endogenous

T cells

**LE ↓**
↓ Pain
Therapy**b**

Early Transition Chronic

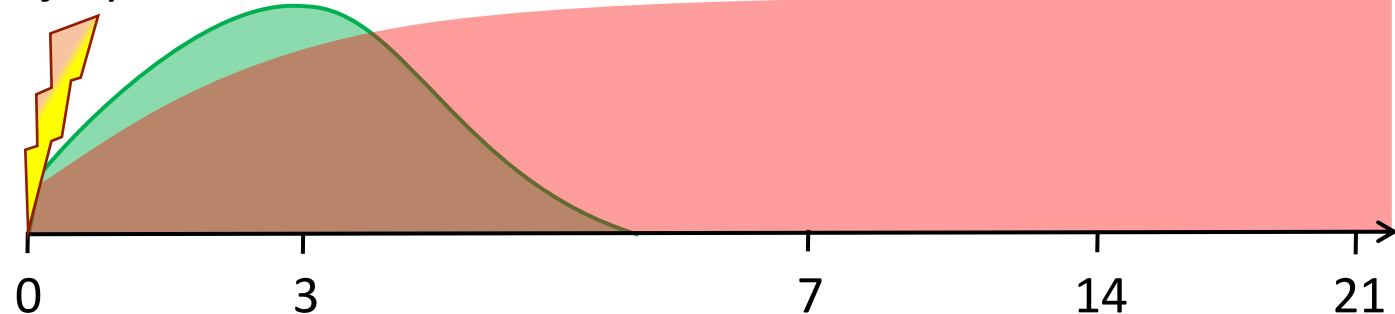
Nerve injury

Sensory neurons:

SerpA3N

T cells:

Leukocyte Elastase (LE)

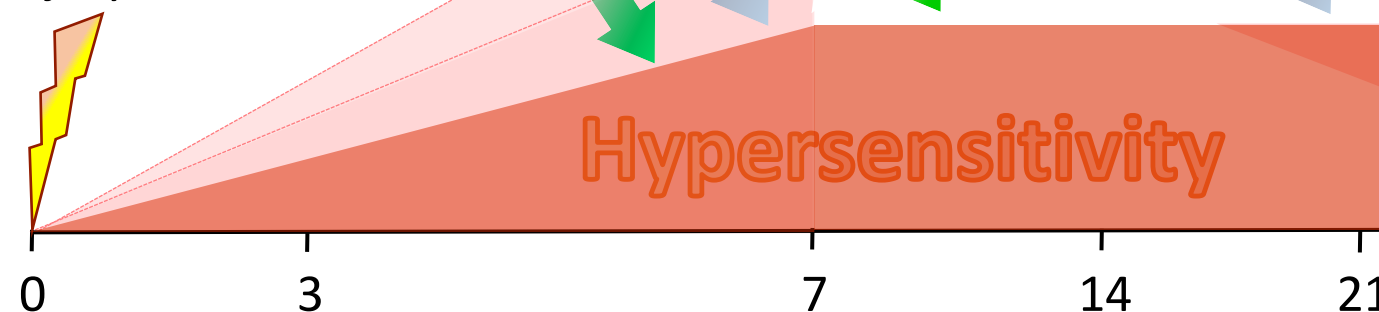


Time after injury (d)

Nerve injury

LE inhibitor
Endogenous action
SerpA3N actionExogenous
SerpA3N action

LE inhibitor action?



Time after injury (d)