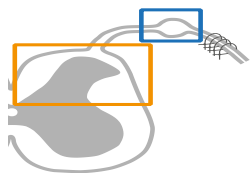


# BLOCKADE OF TOLL-LIKE RECEPTORS (TLR2, TLR4) ATTENUATES PAIN AND POTENTIATES BUPRENORPHINE ANALGESIA IN A RAT NEUROPATHIC PAIN MODEL

UNDER NEUROPATHIC PAIN WE HAVE OBSERVED:

- Enhancement in TLR2 & TLR4, MyD88 and TRIF expression in the spinal cord and/or DRG
  - Upregulation of TLR2 & TLR4, MyD88 and TRIF protein levels in the spinal cord and/or DRG
- Analgesic effects of TLR antagonists: *LPS-RS* (TLR2 & TLR4) or *LPS-RS Ultrapure* (TLR4)
  - Improvement of buprenorphine analgesia by *LPS-RS* or *LPS-RS Ultrapure*



	mRNA						PROTEIN					
	DAY 2		DAY 7		DAY 14		DAY 2		DAY 7		DAY 14	
TLR2	—	—	↑↑	↑↑↑	↑↑↑	↑	—	↑↑↑	↑	↑↑↑	↑	↑↑
TLR4	↑↑↑	↑↑	↑↑↑	↑	↑↑↑	↑	—	—	↑↑	↑	↑	↑↑
MyD88	↑↑↑	↑↑↑	↑↑↑	↑↑↑	↑↑↑	↑↑↑	—	↑	↑↑↑	—	—	—
TRIF / Ticam2	↑↑	—	↑↑↑	—	↑↑↑	—	↑↑	↑↑	—	—	—	—
	--> SPINAL CORD						--> DRG					

