**A**

Bar graph showing fold-change over vehicle treated for Rac1, MMP-9, Calpain-2, and TNFa. * indicates statistical significance.

**B**

Bar graph showing fold-change over vehicle treated for Rac1, MMP9, Calpain2, and TNFa at different time points after GMCSF application. * indicates statistical significance.

**C**

Timeline of experimental procedure:
- Basal Behavioral recording
- Intra-plantar application of GMCSF (20 ng)
- Behavioral recording
- Intra-plantar application of Inhibitor or vehicle
- Behavioral recording at various time points: 0 h, 8 h, 16 h, 24 h, 25 h, 28 h, 32 h