SRI International performs the discovery and development services needed to take your lead candidate into the clinic. Our neuropharmacology group assists clients by evaluating their compounds for pain/analgesia and other neurological disorders using isolated receptors and functional assays. We also evaluate the in vivo effectiveness of agents using well-established animal models.

SRI currently offers in vivo models for Acute and Neuropathic Pain, including Inflammatory Models of Hyperalgesia.

**Acute Pain Models:**
- Tail flick test (Radiant heat or warm water tail immersion)
- Plantar test (Hargreaves’ method) using radiant heat stimulus
- Cold-plate & Hot-plate test (paw withdrawal)
- Formalin test (Phase I and II response(s))
- Orofacial formalin test

**Inflammatory Models:**
- Complete Freund’s adjuvant (CFA) injections to the hind paw*
- Carrageenan injections to the hind paw*

* Radiant heat stimulus (Hargreaves’ method) is used to measure thermal hyperalgesia, and/or von Frey Test is used to measure mechanical allodynia.

Compound delivery methods include: Intrathecal catheter (Yaksh’s method), kidney capsule, intravenous, oral, subcutaneous, intradermal, intranasal, patch implant, Alzet and/or external pump placement. Please inquire if you need a custom method of delivery.

**Chronic Pain Models:**
- Chronic constriction injury — CCI, Bennett Model*
- Spinal nerve ligations—SNL, Chung Model*
- Streptozotocin (STZ) induced diabetic neuropathy*

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**Spinal Nerve Ligation (SNL) in the Rat and Intrathecal Administration of Morphine**

**Figure 1.** Thermal paw withdrawal latency, Day 7. Values represent group mean (n=7) ±SE.

**Figure 2.** The von Frey monofilament test for mechanical allodynia, Day 4. Values represent group mean (n=7) ±SE.
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About SRI Biosciences

SRI Biosciences carries out basic research, drug discovery and drug development, and provides contract services. SRI has all of the resources necessary to take R&D from Idea to IND and beyond—"from initial discovery to the start of human clinical trials—and specializes in cancer, immunology and inflammation, infectious disease, and neuroscience. SRI's product pipeline has yielded marketed drugs, therapeutics currently in clinical trials, and additional programs in earlier stages. In its CRO business, SRI has helped government and other clients and partners advance well over 100 drugs into patient testing. SRI is also working to create the next generation of technologies in areas such as diagnostics, drug delivery, medical devices, and systems biology.

About SRI International

Innovations from SRI International have created new industries, billions of dollars of marketplace value, and lasting benefits to society—touching our lives every day. SRI, a nonprofit research and development institute based in Silicon Valley, brings its innovations to the marketplace through technology licensing, new products, and spin-off ventures. Government and business clients come to SRI for pioneering R&D and solutions in computing and communications, chemistry and materials, education, energy, health and pharmaceuticals, national defense, robotics, sensing, and more.

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