



Melior Discovery has pioneered an efficient and systematic approach to find new uses for existing drugs and drug candidates. By applying the unique multiplexed *theraTRACE*[®] indications discovery platform, Melior can quickly evaluate a compound in multiple, high quality *in vivo* models in order to test the molecule's potential use in a variety of therapeutic areas. In response to growing demands, we are now able to offer this same expertise applied to the design and execution of *in vivo* studies utilizing individual efficacy models.

theraTRACE[®] Platform

Uniquely powerful approach
to Indications Discovery

- not "hypothesis driven"
- highly predictive *functional* animal models
- "systematic serendipity"
- multiplexing know-how makes this possible

Irwin Evaluations

- » Validated with known sedatives
- » Up to 22 parameters quantified to assess neurobiological and physiological state
- » Used in conjunction with other assays to assess behavioral and physiological function
- » May be used to determine appropriate dose levels for efficacy studies

Open Field (Automated) Locomotor Activity

- » Validated with known sedatives and stimulants
- » May be used for first line assessment of locomotor, psychological and sensorimotor behavior in mice or rats
- » Used in conjunction with other assays to assess behavioral and locomotor function
- » May be used with other psychosis models

Home Cage Activity - Telemetry

- » Measure changes in locomotor function and core body temperature over days with implanted telemetry probes
- » Can be used to assess long-term metabolic state, long-term motor activity patterns

Melior Discovery
860 Springdale Drive
Exton, PA 19341

Phone: (610) 280-0633
Fax: (610) 280-0637
Email: bizdev@meliordiscovery.com
www.meliordiscovery.com