Preclinical Studies on Expression, Neurobiology and Treatment of Pain-Related Behavioral Depression

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Beisner Aud. 1 BSB

Clinically relevant pain is often associated with functional impairment and depression of behavior, and relief of pain-related behavioral depression is a common goal of treatment. Our research has focused on development of preclinical rodent models to assess expression, neurobiology and treatment of pain-related behavioral depression. Data will be presented to show depression of behavior in mice and rats by acute and sustained noxious stimuli. In addition, drug effects in models of pain-depressed behavior will be contrasted with their effects in more traditional assays of pain-related behavior. Finally, data will be presented to implicate pain-related depression of the mesolimbic dopamine system as one mechanism that contributes to pain-related behavioral depression.

For additional information contact Jamie Holmes at 353-5617