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S E M I N A R S E R I E S

Sex differences in the antinociceptive effects of morphine and Δ -9- tetrahydrocannabinol in rats

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Thursday, April 16th 2015

12:00-1:00 p.m.

Alfond 304

UNE, Biddeford Campus

Lunch will be provided

Hosted by: Daniel Selvage, Ph.D.

Sponsored by: The Center for Excellence in the Neurosciences

Abstract: The study of sex differences in drug effects has become increasingly necessary in many, if not all areas of research, where historically female subjects have been overlooked. This is especially true considering the increased prevalence of chronic pain disorders in women compared to men. These presentations will discuss preclinical work exploring whether male and female rats differ in their antinociceptive response to Δ -9-tetrahydrocannabinol using acute pain assays (Dr. Wakley), and to morphine using a model of chronic inflammatory pain (Dr. Davis). In addition, the role of gonadal hormones in modulating nociceptive responses will be discussed.

Bios:



Dr. Davis received his B.S. in Psychology from Linfield College in McMinnville, Oregon and his M.S. in Experimental Psychology from Western Illinois University in Macomb, Illinois. He completed his Ph.D. in Experimental Psychology at Washington State University in 2014. His main area of interest is in behavioral pharmacology, with particular interest in sex differences in drug responses.



Dr. Wakley received her B.S. and M.S. in Experimental Psychology from Idaho State University and her doctorate from Washington State University in 2013. The focus of her research has been examining sex differences and hormone modulation of the antinociceptive effects of cannabinoids.

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