



Annual Meeting: November 11, 2009

The Place: **Fort Collins Marriott**

Registration (dues required) - 10:00am till

*Contact stuart.tobet@colostate.edu for presentation deadlines and registration information

10:30-11:15am - Workshop on Stereology

(Hands on Stereology demos available during the meeting)

11:15-noon - Data Blitz from multiple campuses

A rapid-fire tour through your neuroscience community!

Noon-3pm – Lunch, Posters, Vendors!

3-4pm – Award Winning Student presentations

4-5pm – More Posters, Vendors, Coffee!

5-6pm –Keynote Lecture:

Dr. Catherine Woolley, PhD, Northwestern

Estrogen actions in the hippocampus:

It's all in the timing

The Woolley lab explores the roles of steroid hormones in neural plasticity. Her work focuses on the hippocampus as a part of the cerebral cortex that is involved in learning and memory and that can be a focus of seizure activity under abnormal conditions.

Questions include how changing levels of estrogens and progesterone alter the way neurons in the hippocampus are connected to one another and how these changes can modify the flow of electrical activity through the hippocampus.

Her laboratory uses a variety of brain imaging and electrophysiological techniques to understand the functional consequences of hormone-induced structural changes. Their findings help explain how hormones affect both cognitive processing as well as susceptibility to seizures.

6-7pm – Awards, door prizes, reception!

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