Adele Stewart, PhD
Laboratory of Dr. Randy Blakely, FAU

**Sex, Drugs and ADHD - Psychostimulant responses reveal drug- and sex-specific perturbations resulting from in vivo expression of the disease-associated DAT Val559 mutation**

The disease-associated Dopamine Transporter Val559 mutation promotes basal DA efflux and elevations in extracellular DA. In animals containing this mutation, drug- and sex-specific perturbations in psychostimulant responses are seen, providing insight into hyperdopaminergic influences on neurophysiology and behavior.

Melissa Borgen, PhD
Laboratory of Dr. Brock Grill, TSRI

**RPM-1 regulates axon termination by affecting growth cone collapse and microtubule stability**

Relatively little is known about growth cone collapse prior to axon termination in vivo. We show that RPM-1 signaling functions in parallel to actin regulators to destabilize microtubules and facilitate terminal growth cone collapse in vivo.