



# Discovery Science Emerging Scholars Lecture

## “ADHESION G PROTEIN-COUPLED RECEPTOR LATROPHILIN-3 AS A NOVEL TARGET FOR MODULATING DOPAMINERGIC NEUROTRANSMISSION”



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Disruption of the adhesion G protein-coupled receptor latrophilin-3 (ADGRL3) results in altered dopaminergic neurotransmission across animal species via an unknown mechanism. Normal dopamine signaling is critical for tasks such as motor behavior, motivation, and working memory, and its dysregulation is implicated in several mental health and neurological disorders. Consequently, ADGRL3 emerges as a promising target for the regulation of dopaminergic neurotransmission. In my research, I use a diverse set of techniques, including biochemical analyses, in-cell assays, and animal models, to investigate how ADGRL3 modulates dopaminergic neurotransmission specifically in the mouse striatum.

**Tuesday, January 23rd**  
**4:00 pm CT, 214 Light Hall**  
**Add to Calendar!**

This lecture series features the most promising young scientists who are making notable discoveries as postdoctoral fellows or early career faculty.

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