

236th WPI-IIS Seminar

-Mini Symposium-

Designing novel therapeutics with minimized side-effects

G protein-coupled receptors (GPCRs) represent the largest class of cell surface receptors in the human genome, and they are involved in almost every physiological process in our body such as cardiovascular regulation, immune response, neurotransmission, behavior and mood regulation. About half of the currently prescribed drugs target this class of receptors including those used in congestive heart failure, hypertension, asthma, allergies, schizophrenia, Parkinson's disease, and cancer. GPCRs harbor a conserved seven transmembrane (7TM) architecture and typically signal through heterotrimeric G-proteins and β -arrestins. The overarching goal of our laboratory is to understand the activation, signaling and regulation of GPCRs, and leverage this information to design novel therapeutics with minimized side-effects.



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Date: **Thursday, November 6, 2025**

Time: **9:30 – 10:25**

Venue: **1F Auditorium, IIS Building**

*** On-site participation only**



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