



UNIVERSITY OF SASKATCHEWAN
College of Medicine
DEPARTMENT OF BIOCHEMISTRY,
MICROBIOLOGY AND IMMUNOLOGY
MEDICINE.USASK.CA

Proteomics Research in Interactions

PRISM
and Structure of Macromolecules

COMBINED SEMINAR SERIES

Department of Biochemistry,
Microbiology & Immunology and
PRISM Research Centre

Thursday, March 25
11:30 am – 12:30 pm

(WebEx)



Dr. Georgios Skiniotis

Professor

Molecular Cellular Physiology |
Structural Biology | Bio-X
Stanford University School of Medicine

“Signaling across the membrane through G protein-coupled receptors”

G protein-coupled receptors (GPCRs) comprise the main conduit for information transfer between cells and their environment, and participate in countless physiological processes through distinct signaling networks. Here, I will present results from cryoEM, simulations, and functional characterization of GPCRs in complex with a range of ligands and signal transducers, providing a description of the transmembrane signal instigation mechanisms employed from different receptor subfamilies. Furthermore, I will discuss the expanding role of cryoEM in GPCR drug discovery, addressing questions related to both structure and molecular dynamics.

WebEx Details:

Meeting link: <https://usask.webex.com/usask/j.php?MTID=m15dd015a6eeda9736e2072363ce027aa>

Meeting number: 145 488 6071

Password: n9fPfbBBM33

Join by phone

+1-306-808-2023 Canada Toll (Saskatoon)

1-855-966-1197 North America Toll Free

Access code:

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Everyone Welcome