

ICS SEMINARS AND VISITING SCIENTIST PROGRAM

St. Boniface Hospital
Albrechtsen Research Centre

Virtual Seminar on Zoom

351 Taché Avenue
Winnipeg, MB R2H 2A6

WEDNESDAY

June 16th, 2021

3:00 P.M. – 4:00 P.M.



Lysosomal Pathways in Cardiac Myocytes: Metabolic Stress Meets Protein Quality Control

Dr. Abhinav Diwan

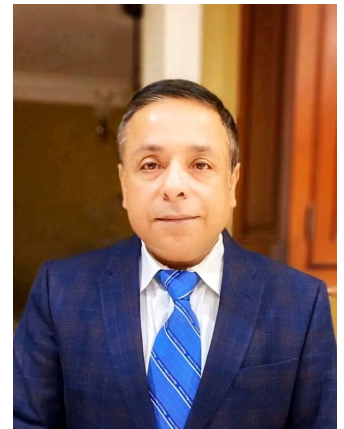
Professor, Departments of Medicine, Cell Biology and Physiology,
and Obstetrics and Gynecology,
Washington University School of Medicine
Staff Physician, Cardiology,
John Cochran Veterans Affairs Medical Center
St. Louis, USA

Dr. Diwan's primary research interest is to define the role of lysosomes in cellular homeostasis and response to stress. His lab is actively investigating lysosome biology in multiple cell types and disease states including heart failure, atherosclerosis, Alzheimer's pathogenesis, and diabetes.

Dr. Diwan's lab has uncovered evidence for dysregulation of the lysosome machinery as a major contributor to cardiac myocyte loss in myocardial ischemia-reperfusion injury.

Dr. Diwan's research has also extended these findings to uncover evidence for lysosome dysfunction in various CNS cell types in Alzheimer's disease and in pancreatic beta cells in obesity-induced diabetes, underscoring the importance of acquired lysosome dysfunction in triggering multiple chronic diseases that are predisposed by common risk factors.

Dr. Diwan's lab is also interested in discovery studies in simpler model systems to identify regulators of lysosome biogenesis program.



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