

BCHM 421/422 – 2018/2019

Project Outline: The student will use the technique of cell culture and monolayer transmigration to assess the effect of a gene knockdown on lipid transfer using molecules similar to the transporter.

Supervisor: JS Walia

Project Title: Assessing the role of GM2A antagonism in causation of atherosclerosis

Keywords (3-5):

1. **GM2A**
2. **Lipid transport**
3. **Fluoroscopy**

Project Goals: to learn lipid transport, cell culture and transmigration assays

Experimental Approaches: Using RNAi, the GM2A gene will be knocked down and the lipid transport will be assessed. Other GM2A inhibitors will be tested for the same role.

References: