**BIOC 559 -** Advanced Topics in Protein Chemistry II

Course Description:

BIOC 559 provides a theoretical and practical overview of macromolecular X-ray crystallography, a technique used to generate high-resolution 3D structures of proteins on other macromolecules. A major focus will be on the practical aspect through in-class tutorials and large assignment. This course will provide an overview of x-ray crystallography including topics related to. The course will use primary literature to introduce the latest approaches to study x-ray crystallography. The student will learn how to apply their knowledge in critically analyzing and interpreting structural data. Students will be graded based on their in-class participation and an assignment. This course will be offered every other year starting fall term of 2018.

This course replaces the second half of BIOC 514 course.

Instructors: Dr. Filip Van Petegem
Format: 90-minute lectures (12), 1.5 credits
Time: Tues/Thurs (3:30-5:00 pm) from October 23 to November 20, 2018
Location: TBA (UBC Point Grey Campus).
Number of seats: 18