BIOC 558 - Advanced Topics in Protein Chemistry I

Course Description:
BIOC 558 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 is offered in alternating years in the fall term of 2022 and 2024.

Instructor: Dr. Filip van Petegem
Format: 90-minute lectures (12), 1.5 credits
Time: Tues/Thurs (3:30-5:00 pm) from September 6 to October 20, 2022
Location: IRC B75
Number of seats: 18