

Structure and Function of the Cytoskeleton.

Winter 2023

Delivery: In person
Time: Thursdays 10am – noon
Dates: Feb 23rd, Mar 2nd, Mar 9th, Mar 16th, Mar 23rd, Mar 30th
Proposal Due date: Dec 18th 5pm

Course Overview:

The course will discuss recent advances in our understanding of the structure and function of the cytoskeleton. Discussion will include, but not be limited to cell division (prokaryotic and eukaryotic), cell migration and ciliogenesis.

Course Objectives:

Discussion of the *in vitro* molecular analysis of cytoskeletal assembly and organization and its implications in regulating physiological processes.

Marking Scheme:

20% participation	Active participation in group discussions and reading of background material prior to presentations.
40% presentation	Each person will present at least 1 published paper with appropriate background material and future directions.
40% experimental proposal	Each person will identify a specific question relating to the function of the cytoskeleton and develop a series of experiments to address and resolve that question.

Assigned reading will be sent out before the course starts. In addition to the research articles, a review article will be distributed that is meant to provide a bit of context for the lecture for those students with less background and will not be a specific point of discussion.

Absence Policy

If you anticipate missing a class you must let the instructor know in advance, given the weight on participation and the fact that there are only six classes. Providing that you had a legitimate reason for missing the class, you will be provided with an assignment based on the reading for that week that you can use to make up for the lost class.

Add / Drop dates

Students can only be added to the course up until a week before the first class. Students have until the day before the first class to drop the course. Students can only drop the course after the first class with the permission of the instructor.

