01:146:470 Advanced Cell Biology  
(Spring Semester 2020)

**Meeting schedule:** Classes meet twice per week in PH-111 (Busch Campus) on Tuesdays and Fridays, Period 2 (10:20 AM – 11:40 AM).

**Section Coordinator:** Prof. Gabriella D'Arcangelo ([darcangelo@dls.rutgers.edu](mailto:darcangelo@dls.rutgers.edu))

**Additional Teaching Faculty:** Prof. Megerditch (Mike) Kiledjian ([kiledjian@biology.rutgers.edu](mailto:kiledjian@biology.rutgers.edu)); Prof. Wei Dai ([dai@dls.rutgers.edu](mailto:dai@dls.rutgers.edu)); Prof. Max Tischfield ([tischfield@dls.rutgers.edu](mailto:tischfield@dls.rutgers.edu)).

**Office Hours:** By arrangement with individual instructors. Please email and set an appointment as needed. There will be in-class review sessions offered prior to exams—these will be announced in class and on Canvas.

**Learning Goals:**
1. Master factual and conceptual knowledge in cell biology that will provide a solid foundation for success in advanced training and professional careers.
2. Develop an ability to summarize, integrate and organize information.
3. Use scientific reasoning to evaluate the potential for current research and new discoveries to improve our understanding of cell biology and its relevance to human health and to our society.

These goals are consistent with those set by the Department of Cell Biology and Neuroscience, as well as the Division of Life Sciences at Rutgers University.

**Course Description:**
This course addresses advanced concepts of cell biology, focusing on gene transcription, mRNA processing, signal transduction, membranes, intracellular trafficking, the cytoskeleton, cell adhesion, the extracellular matrix, and cell movement.

**Course Structure and Requirements:**
- The course pre-requisites are:
- Preference is given to declared CBN majors who plan to graduate during the current academic year.
- The course consists of lectures by CBN faculty members organized into 4 modules.
- Each student is expected to review assigned textbook reading or videos prior to each class.
- Additional reading assignments will be posted on Canvas.

**Exams and Grading Policy:**
- Four 80-minute exams will count for 100% of the student grade.
- Questions during class are welcomed but class participation will not be graded.
- There will be three midterm exams scheduled during regular class periods and one during the final exam period. Midterm exams are scheduled at the end of each module. The fourth module will hold its exam during the final exam period. The date and time will be announced.
- Students must complete all of these four exams.
• Students with disabilities requesting accommodations must follow the procedures outlined at https://ods.rutgers.edu/students/registering-for-services
• Full disability policies and procedures are at https://ods.rutgers.edu/

Academic Integrity Policy: http://academicintegrity.rutgers.eduacademic-integrity-policy/

Violations include: cheating, fabrication, plagiarism, denying others access to information or material, and facilitating violations of academic integrity.

Students are required to take the Honor Pledge: 
"On my honor, I pledge that I have neither given nor received any unauthorized aid on this (exam, test, paper)."

Course Materials:

• Lecture slides, audio lecture recordings (as available), and primary research literature assigned by the instructors will be posted in Canvas
• All course materials are copyrighted by the university and the individual instructors. Unauthorized distribution of these materials could violate the University Academic Integrity Policy and may subject you to disciplinary action

Self-Reporting Absence Application:

Students are expected to attend all classes; if you expect to miss one or more classes, please use the University absence reporting website https://sims.rutgers.edu/ssra/ to indicate the date and reason for your absence. An email is automatically sent to the course director.

Student-Wellness Services:

Just In Case Web App

http://codu.co/cee05e
Access helpful mental health information and resources for yourself or a friend in a mental health crisis on your smartphone or tablet and easily contact CAPS or RUPD.

Counseling, ADAP & Psychiatric Services (CAPS)

(848) 932-7884 / 17 Senior Street, New Brunswick, NJ 08901/ www.rhscaps.rutgers.edu/
CAPS is a University mental health support service that includes counseling, alcohol and other drug assistance, and psychiatric services staffed by a team of professional within Rutgers Health services to support students’ efforts to succeed at Rutgers University. CAPS offers a variety of services that include: individual therapy, group therapy and workshops, crisis intervention, referral to specialists in the community and consultation and collaboration with campus partners.


Violence Prevention & Victim Assistance (VPVA)

(848) 932-1181 / 3 Bartlett Street, New Brunswick, NJ 08901 / [www.vpva.rutgers.edu/](http://www.vpva.rutgers.edu/)
The Office for Violence Prevention and Victim Assistance provides confidential crisis intervention, counseling and advocacy for victims of sexual and relationship violence and stalking to students, staff and faculty. To reach staff during office hours when the university is open or to reach an advocate after hours, call 848-932-1181.

Disability Services

(848) 445-6800 / Lucy Stone Hall, Suite A145, Livingston Campus, 54 Joyce Kilmer Avenue, Piscataway, NJ 08854 / [https://ods.rutgers.edu/](https://ods.rutgers.edu/)
Rutgers University welcomes students with disabilities into all of the University's educational programs. In order to receive consideration for reasonable accommodations, a student with a disability must contact the appropriate disability services office at the campus where you are officially enrolled, participate in an intake interview, and provide documentation: [https://ods.rutgers.edu/students/documentation-guidelines](https://ods.rutgers.edu/students/documentation-guidelines). If the documentation supports your request for reasonable accommodations, your campus’s disability services office will provide you with a Letter of Accommodations. Please share this letter with your instructors and discuss the accommodations with them as early in your courses as possible. To begin this process, please complete the Registration form on the ODS web site at: [https://ods.rutgers.edu/students/registration-form](https://ods.rutgers.edu/students/registration-form).

Scarlet Listeners

Free and confidential peer counseling and referral hotline, providing a comforting and supportive safe space.