

BCH 5413 – Syllabus – Fall 2023

Eukaryotic Molecular Biology and Genetics

Drs. Melike Caglayan, Lauren Douma, James Flanegan, Michelle Gumz, Deborah Smith, and Jianrong Lu
(Course Coordinator)

Lectures will be held 7th period, 1:55 PM - 2:45 PM on Mondays, Wednesdays and Fridays.

This course is designed for graduate or advanced undergraduate students desiring a higher-level survey course in molecular biology that is beyond an introductory course. Lectures and discussions will emphasize modern molecular, biochemical, and genetic approaches to solving problems of current interest in molecular biology. Students should have a working knowledge of introductory molecular biology such as that covered in Lehninger's Principles of Biochemistry; or Mathews & Van Holde, Biochemistry, etc. *We do not recommend this course for students who have not had an introductory course in molecular biology* (e.g., BCH 4024 or its equivalent). **BCH 5413 is a prerequisite for BCH 6415, Advanced Cellular & Molecular Biology.**

TEXTBOOK: No textbooks are required for this course. Some lecture contents are based on *Molecular Biology* (by R.F. Weaver, 5th Edition, 2012) and *Molecular Cell Biology* (by Lodish et al, 7th Edition, 2013). All lecture slides and supplemental instructional material will be posted on the UF Canvas website under BCH 5413 at the Academic Technology web site (<http://lss.at.ufl.edu/>).

COURSE INSTRUCTORS: Help is available by appointment with each instructor.

Dr. Melike Caglayan,	ARB R3-226	294-8383;	caglayanm@ufl.edu
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Dr. Jianrong Lu,	CGRC 357	273-8200;	jrlu@ufl.edu
Dr. Debbie Smith	ARB R3-234	294-8404	dsmith43@ufl.edu

Please use the email address jrlu@ufl.edu for general class matters.

CLASS ATTENDANCE, EXAMS & GRADING: Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies. Information on current UF grading policies for assigning grade points can be found at <https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/>. Grades for this course will be determined by the total scores from **three (3) examinations**. The three examination periods are scheduled during the semester. The final exam is **not** cumulative. All exams are 2 hours in length. A review session has been scheduled before each exam. Please arrange your schedules to enable you to attend these exam sessions. In general, **there will be no make-up exams.**

ONLINE COURSE EVALUATION: Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via ufl.bluera.com/ufl/.