

**CORE Class: MCDB 5210 (3cr)      Spring 2025**

Times:                      Tuesday 4:00 PM – 5:15 PM (B121)  
                                  Friday 12:30 PM – 1:45 PM (B121)

First Day: January 14<sup>th</sup>  
 Last Day: April 29<sup>th</sup>

**Instructors:                      Ed Chuong, Andy Hoenger, Corrie Detweiler, Mike Klymkowsky,  
                                  Jennifer Hill, Ding Xue, Gia Voeltz**

- Classes will be in person, unless requested otherwise by a teacher.
- Reading materials will be announced by each teacher separately.
- Grading will be based on two take-home exams (March 3<sup>th</sup> and April 28<sup>th</sup>), and your participation with discussions and questions.

**Schedule:**

Week 1	Gia Voeltz	1/14 & 1/17	The Secretary Pathway
Week 2	Ed Chuong	1/21 & 1/24	Functional Genomics
Week 3	Ed Chuong	1/28 & 1/31	Functional Genomics
Week 4	Lee Niswander	2/4 & 2/7	Developmental Biology
Week 5	Brad Olwin	2/11 & 2/14	TBD
Week 6	Corrie Detweiler	2/18 & 2/21	Bacterial Physiology
Week 7	Andy Hoenger	2/25 & 2/28	Introduction to Virus 3-D Structure and Function
		2/28	Take-Home Midterm Exam
Week 8	Andy Hoenger	3/4 & 3/7	TBD
Week 9	Mike Klymkowsky	3/11 & 3/14	Cytoskeletal Systems in Eukaryotes
Week 10	Mike Klymkowsky	3/18 & 3/21	Effective Teaching in Biological Sciences
Week 11	no class	3/25 & 3/28	Spring Break
Week 12	Ken Krauter	4/1 & 4/4	Human Genetics: Mapping, Gene Therapy, and Society
Week 13	TBD	4/8 & 4/11	TBD
Week 14	Jennifer Hill	4/15 & 4/18	Inter-kingdom Cellular Signaling Mechanisms
Week 15	Ding Xue	4/22 & 4/25	Genetic Basis of Programmed Cell Death
Week 16		4/29	Take-Home Final Exam
Week 16		4/29 & 5/1	Final Discussion