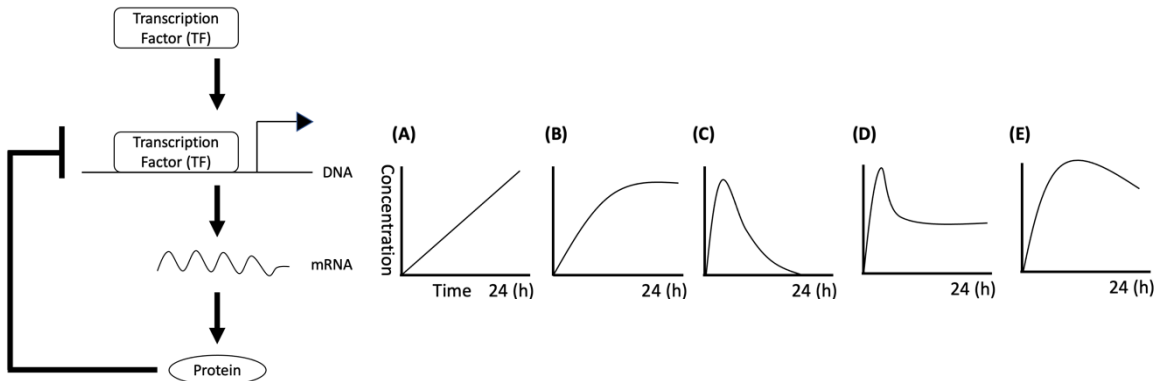


Spring 2022 HNRS 3035 Sec 90 Cells with Equations

Tuesday and Thursday 12 : 00 pm – 1 : 20 pm (3 credit hours)
Location: 218 French House

Instructor: Naohiro Kato, Ph.D. Department of Biological Sciences

Question: A diagram below shows gene expression that has negative feedback in a human cell. Which of the following (A-E) describes accumulation of mRNA in the cell most accurately?



If you are interested in answering the question above with a confidence, you would want to take this course.

The objective of this course is to understand molecular cell biology quantitatively by translating molecular reactions to ordinary differential equations (ODEs) and analyze them computationally. **At the end of the course**, the students should be able to analyze large networks of interacting molecules in cells.

Contact the instructor, KATO@LSU.EDU for further information.