Spring 2022 BCMB 3600/H - Genomics and Bioinformatics

Tues/Thurs, 12.45 - 2.00 pm: Life Sciences Bldg., Rm C114

Instructors: Mike Adams (adamsm@uga.edu)

Natarajan Kannan (nkannan@uga.edu)

Mike Terns (mterns@uga.edu)

Text: No text is recommended

Examinations:	Type	Date	Coverage	% of Grade
Adams	Paper #1	02/16 (due)	01/14 - 02/11	11.1
	Papers #2 and #3	03/25 (due)	01/14 - 02/16	22.2
Terns	Written Exam 1	03/04	02/18 - 03/02	15.0
	Written Exam 2	03/23	03/09 - 03/18	18.3
Kannan	Assignment 1	04/13 (due)	03/30 - 04/08	15.2
	Assignment 2	04/29 (due)	04/15 - 04/27	18.1

There will not be a final exam during Final Exam week (05/05-05/11)

INSTRUCTOR: MIKE ADAMS		INSTRUCTOR: MICHAEL TERNS		
The History of Genomics		Functional Genomics (cont)		
Jan. 11 Jan. 13	The Genomics Revolution (#1) Genomics and You	Mar. 15: Mar. 17	•	
Jan. 18 Jan. 20	Genome Databases The Human Genome Project	Mar. 22 Mar. 24	Biological and Biomedical Applications Written Exam 2	
Jan. 25 Jan. 27	Individual Human Genomes The Human Encyclopedia	Instructor: Natarajan Kannan		
Feb. 01 Feb. 03	Human Evolution & Eukaryotic Genomes Metagenomes	Introduction to Bioinformatics Methods		
Feb. 08 Feb. 10	DNA Sequencing (#2 and #3) Synthetic Life/DNA Storage (#1 due)	Mar. 29 Mar. 31	Introduction (Adams #2 and #3 due) Sequence alignment methods	
INSTRUCTOR: MICHAEL TERNS		Apr. 05 Apr. 07	Structure prediction and comparisons Function prediction methods	
Functional Genomics		Apr. 12	Assignment #1	
Feb. 15 Feb. 17	Functional Genomics Overview Eukaryotic Gene Expression	Apr. 14	Bioinformatics applications	
		Apr. 19 Apr. 21	Data integration methods Ontology and data resources	
Feb. 22	, 5	АβΙ. Ζ Ι	Ontology and data resources	
Feb. 24	Chromatin Structure and Epigenetics	Apr. 26	Breakout Session-1	
Mar. 01	Written Exam 1	Apr. 28	Assignment #2	
Mar. 03			????????????	
Mar. 07 -	- 11: SPRING BREAK			