

2015	TTh 3:30-5pm am Vaughn 300			
	Class content	Instructor	Guest lecturer	Student presentation
24-Sep	Introduction, course expectations. Bioinformatics I	Gerwick/Fenical	Simple blasts alignments, Geneious platform	
29-Sep	Bioinformatics II	Gerwick/Fenical	Tristan Carland, JCVI	
1-Oct	Bioinformatics III	Gerwick/Fenical	Tristan Carland, JCVI	AashishLamichhan e
6-Oct	Genome resources	Gerwick/Fenical	The UCSD IGM Genomics Center, Kristen Jepson	
8-Oct	Bioinformatics III/computer science	Gerwick/Fenical	Hosein Mohimani, UCSD	
13-Oct	Bioinformatics IV/metagenomics	Gerwick/Fenical	Lisa Ziegler, JCVI	Mikki Dochee
15-Oct	Synthetic biology	Gerwick/Fenical	Arnaud Taton, UCSD	Gabrial Castro
20-Oct	Single cell genomics, genetic manipulations, mutagenesis, and other techniques	Gerwick/Fenical	Lena Gerwick, SIO	Nathan Moss
22-Oct	NMR, new advances	Gerwick/Fenical	Bill Fenical SIO	Sara Riviera
27-Oct	Quantification: qPCR, Western blots and ELISA's, protein-protein interactions, protein-DNA interactions	Gerwick/Fenical	Lena Gerwick	Dan Metz
29-Oct	Protein structures/ in silico modeling	Gerwick/Fenical	Mike Gilson, UCSD	Tiago Leao
3-Nov	Microscopy I	Gerwick/Fenical	Amro Hamdoun, SIO	
5-Nov	Microscopy II	Gerwick/Fenical	Amro Hamdoun, SIO	Daniel Yee
10-Nov	Flowcytometry	Gerwick/Fenical	Mark Hildebrand, SIO	Jose Espinoza
12-Nov	Proteomics, mass spec methods, protein identification	Gerwick	Pieter Dorrestein	Karl Hong
17-Nov	Mass spec, MALDI TOF, MS small molecules	Gerwick/Fenical	Pieter Dorrestein. UCSD	Nick Tuttle
19-Nov	Sequencing resources	Gerwick/Fenical	Illumina Cindy Lawley	
24-Nov	Work on proposal	Gerwick/Fenical		
1-Dec				
3-Dec	Proposal due			