

Class 1 Bioinformatics 28/09/2020

Structural Bioinformatics

→ Visual Molecular Dynamics
- VMD → Software
- NAMD

1st Exam → Nanoscale Molecular Dynamics
Sequence Analysis
- Protein Structure Prediction
Bioinformatic servers

2nd Exam
Presentations

- Free, approved topic
- Speak 1 min in English

Grading 1st & 2nd

60% Exam

30% Lab

10% Homework

3rd

60% Presentation

10% Report

10% 1 min in English

20% Participation

Lecture 2

30th/09/2020

Lab Activity

Bioinformatics in Korea

Hw Bioinformatics in Peru
and Mexico

Lecture 3 1/10/2020

Bioinformatics → 1970

→ 2 Scientifics
→ P. Hoge weg & B. Mesper

Secuencia de String → Genoma
→ Proteínas

Secuencia de Analisis

Predicción de estructura

Interacción molecular

Redes Bioquímicas

Chips de ADN: comparación
de estados de la célula

Inv de nuevas medicinas

Variación genética