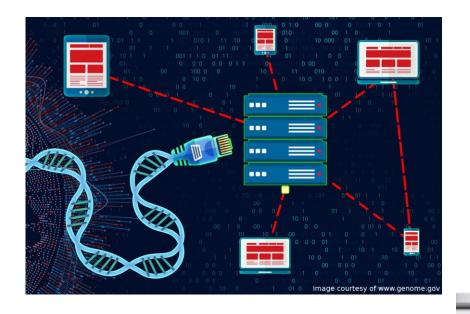


Converting biological questions ...



How is Bioinformatics utilized beyond the classroom?





- DNAnexus, the global leader in biomedical informatics and data management, recently announced <u>DNAnexus</u> Apollo, an enhanced platform for clinico-genomic data science exploration, analysis, and discovery.
- Working with clinical data requires specialized capabilities to maintain privacy; DNAnexus Apollo
 offers a robust features and maintains compliance with HIPAA and CLIA among others.

Other Examples

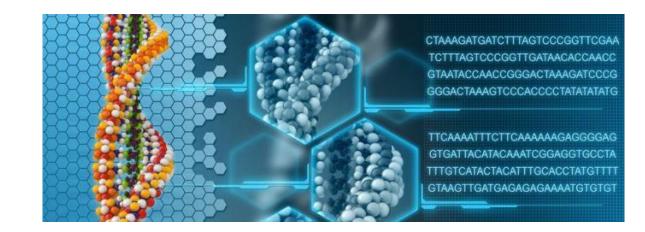
- Pharmaceutical Industry
- Genetic Diseases
- Plant pathology
- Criminal investigations (Forensics)
- Food supply (Genetic engineering)

What is the time commitment for this program?

2 weeks, 10 lectures

Schedule at a glance

- Lecture- 10am-12noon
- Coffee breaks,
 Snacks/Food
- Afternoon Computer Lab-
- 12:00-2:30pm (Flex-time to work interact with fellow students)
- Weekends are free!



Outline of Lecture Topics

- Web Resources
- Analysis and integration of "omic" and "high-throughput" data
- Protein sequences
- Protein structure prediction
- Drug Design: I want a new drug!
- Molecular dynamics simulations

Highlights

- One of the most prestigious universities in the world
- One of the largest universities in Europe
- Highly ranked across disciplines
- Among top 3% of universities in the world
- 10 Masters Programmes taught entirely in English



Program Estimated Costs

\$1650- Course tuition (from UD)

- *\$2200- Room, board and transportation
- *Plus Airfare

Join us online @

https://github.com/initoby/UDRomeBioinformatics