

Thomas Funkhouser Princeton University Fall 2007



Bioinformatics



Definition:

"The collection, archiving, organization, and interpretation of biological data." [Orengo, 2003]

Generally speaking:

- Large biological data sets
- Computer representations and algorithms
- Storage, analysis, visualization, prediction, and design





































CS597A

Goals

- Survey current methods in structural bioinformatics
- · Investigate specific research problems in depth
- Build shared infrastructure for research
- Build links across disciplines



Lectures



Student presentations:

- Choose topic from schedule
- Submit list of relevant papers/resources
- 15-20 minute presentation
- Lead discussion afterwards

Related talks

Seminars

Colloquia

Barry Honig, Columbia University "Relating Cellular to Molecular Specificity" PICASso Series on Computation and Data Analysis in Biology and Information Sciences

Tomorrow (Sep 19) at 12:30PM in CS 402:













Wrap Up



- Students' to do list:
- Hand in survey questionaireSend me a picture of yourself by email
- Sign up for in-class presentations
- Start thinking about project topics
- Attend Barry Honig's talk

