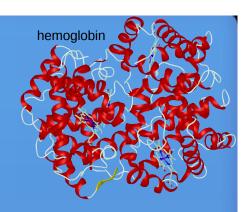serotonin

hemoglobin

Course Announcement

Introduction to Biocomputing

Graduate course BIOMED 505
(Special Topics in Biomedical Sciences)
1-3 credit hours
Developed and administered by the Translational
Informatics Division, Dept. of Internal Medicine

Self directed on-line tutorials

- Bioinformatics
- Genomics & Proteomics
- Sequence analysis
- Molecular Modeling
- Computational Biology
- Cheminformatics
- Molecular visualization

- Macromolecular structure
- Computational Chemistry
- Protein-ligand binding
- Data intensive research
- Cloud computation & data
- Drug discovery emphasis

This course consists of a set of online hands-on tutorials which utilize computational resources hosted at UNM and elsewhere and available via WWW. Students may select topics to suit their research focus.

This course provides an opportunity to learn both theory and practical skills for applying computation in the service of molecular biology research. As in other sciences, computation is becoming increasingly essential.

Prerequisites: Two out of three of the following: (a) course in biology, (b) course in chemistry, (c) course in computer science. All registered students should first meet with the course coordinator and course director. Also feel free to contact us for advisement prior to registration.
For more information:
WWW: http://medicine.unm.edu/informatics/education/introduction.html
Course director: Cristian Bologa, Assistant Research Professor, cbologa@salud.unm.edu
Course coordinator: Jeremy Yang, Mgr., Systems & Programming, jjyang@salud.unm.edu