Biochemistry 4000 – Protein Structure and Architecture Source Material

The following is a series of reference materials for this edition of Biochemistry 4000. The references below are some of the first textbooks, chapters and extensive reviews that look at the diversity of proteins from an architectural view. Throughout the course, this material has been supplemented by more recent studies that have resulted in the development of large databases that explicitly organize proteins according to their 3D structures (*i.e.* CATH, SCOP, *etc.*).

Protein Structure

C. Branden and J. Tooze. Introduction to Protein Structure. Garland, New York (1991).

A.M. Lesk. Protein architecture: a practical approach. IRL press, Oxford (1991).

Protein Structure Prediction: A practical Approach. Edited by Michael J.E. Sternberg. Oxford University Press (ISBN 0 19 9634973).

Guex N, Schwede T and Peitsch M. C. Protein tertiary structure modelling. Current Protocols in Protein Science. Unit 2.8: 2.8.1-2.8.17 (1999).

C. Chothia. Principles that determine the structure of proteins. Ann. Rev. Biochem. 53 537-572 (1984).

J.S. Richardson. The anatomy and taxonomy of protein structure Adv. Prot. Chem. 34 167-339 (1981).