

The really interesting stuff to spice up a standard biophysics course is to be found in this volume. Accessible and didactically written, it is based on a graduate course taught by the author for several years. By presenting a mix of basic theory and real life application examples, he successfully bridges the gap between theory and experiment.

Divided into two major parts, this advanced textbook explains all relevant methods used in current cutting-edge and industrial research. The first part, basic methods in biophysical chemistry, surveys the spectroscopic techniques that represent the modern standard for the investigation of biomolecular processes and the characterization of biomolecules. The second part covers important, more specialized, cutting-edge bioanalytical techniques that can be employed in cases when a particular biomolecular question cannot be answered using one of the basic methods described in Part I.

Readers with a basic understanding of biochemistry and/or biophysics will quickly gain an overview of current technology for the biophysical analysis of proteins, nucleic acids and other biomolecules and their interactions. Equally, any student contemplating a career in the chemical, pharmaceutical or bio-industry will greatly benefit from the technological knowledge presented. Questions testing the reader's understanding can be found at the end of each chapter with the solutions available on the Wiley-VCH textbook homepage under:

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