



## Book Review

### Biochemical Methods

A. Pingoud, C. Urbanke, J. Hoggett, A. Jeltsch; Asiatech Publishers, Inc., New Delhi, 2002, vii + 323 pp, ISBN: 81-87680-08-3

In the field of biosciences the focal interest point is diverging from genome sequences towards specific proteins and their complex interactions in biological systems. As a consequence biochemistry is likely to be an important central point in biology especially having more recently attempted to obtain whole genomic sequences. Biochemistry is an experimental science characterised by an analytical and quantitative approach. The vast array of methodologies is described in *Biochemical Methods*. It is a revised edition of the German original, much of the updated version addresses the advances in methods for analysing and characterising proteins and biomolecular interactions.

The book begins with a chapter focusing on the biochemical literature followed by chapter 2 outlining general lab procedures which contains general descriptions on lab facilities, equipment and activities. Chapter 3 focuses on the methods used in the handling of biological samples and includes precipitation, ultrafiltration and lyophilisation methods. This is followed by chapter 4 discussing important separation methods and includes various chromatographic

techniques, electrophoresis and centrifugation. Chapters 5 to 7 cover various analytical, immunological and biophysical methods. These chapters contain the underlying principles to various techniques, along with its application to biochemical and molecular biology problems. The penultimate chapter looks at the essentials of applying statistical methods for handling of biochemical data. The final chapter looks at the quantitative analysis of biochemical data using enzyme kinetics, thermodynamics and kinetics of molecular interactions as examples.

This informative publication is well structured and contains references at the end of each chapter. The book is aimed at allowing the reader to judge what information can be obtained from the various experimental approaches and generally assisting in the various methods of solving biological problems. It is essential for students in biochemistry, biosciences, pre-clinical medical students and also for researchers and technologists in the fields of biochemistry and molecular biology.

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