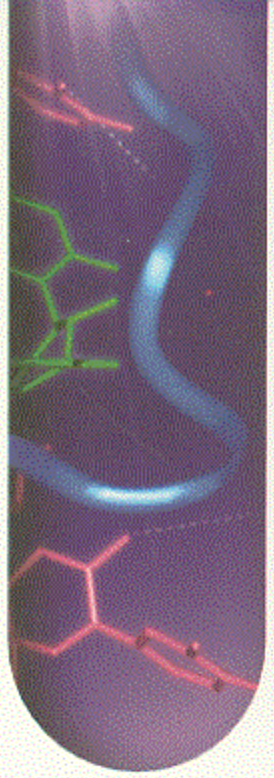

Chemical Biology

Techniques and Applications

Editors

Banafshé Larijani
Head of Cell Biophysics Laboratory, Cancer Research UK, London Research Institute

Colin A Rosser
Director of Studies, Rye St Antony School, Oxford

Rudiger Woscholski
Division of Cell and Molecular Biology, Faculty of Natural Sciences and Chemical Biology Centre (CBC), Imperial College, London

Written by a team of international researchers and teachers at the cutting edge of chemical biology research, this book provides an exciting, comprehensive introduction to a wide range of chemical and physical techniques with applications in areas as diverse as molecular biology, signal transduction, drug discovery and medicine.

Techniques include; Cryo-electron microscopy, atomic force microscopy, differential scanning calorimetry in the study of lipid structures, membrane potentials and membrane probes, identification and quantification of lipids using mass spectroscopy, liquid state NMR, solid state NMR in biomembranes, molecular dynamics, two dimensional infra-red studies of biomolecules, single and two-photon fluorescence, optical tweezers, PET imaging and chemical genetics.

Key Features

- **a unique guide to the rapidly evolving, interdisciplinary field of chemical biology.**
- **adopts a modular structure for maximum flexibility.**
- **addresses relevant, topical chemical biological questions throughout.**
- **includes stunning illustrations in full colour.**
- **associated website with PowerPoint slides of figures within the book.**

Chemical Biology: Techniques and Applications will provide an invaluable resource for final year undergraduate and post graduate bioscience and biomedical science students and pharmaceutical researchers with an interest in this fascinating, and ever changing field.

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