

Proteins

Biochemistry and Biotechnology

SECOND EDITION

Gary Walsh, University of Limerick, Ireland

"With the potential of a standard reference source on the topic, any molecular biotechnologist will profit greatly from having this excellent book."

(Engineering in Life Sciences, 2004, Vol. 5, No. 5)

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(Biochemistry and Molecular Education, July/August 2002)

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(The Biochemist, June 2002)

Proteins: Biochemistry and Biotechnology, Second edition is a definitive source of information for all those interested in protein science, and particularly the commercial production and isolation of specific proteins, and their subsequent utilization for applied purposes in industry and medicine.

Fully updated throughout with new or fundamentally revised sections on proteomics, bioinformatics, protein glycosylation and engineering, as well as sections detailing advances in upstream processing and newer protein applications such as enzyme-based biofuel production, this new edition has an increased focus on biochemistry to ensure the balance between biochemistry and biotechnology, enhanced with numerous case studies.

This second edition is an invaluable text for undergraduates of biochemistry and biotechnology but will also be relevant to students of microbiology, molecular biology, bioinformatics and any branch of the biomedical sciences who require a broad overview of the various medical, diagnostic and industrial uses of proteins.

- Provides a comprehensive overview of all aspects of protein biochemistry and protein biotechnology
- Includes numerous case studies
- Increased focus on protein biochemistry to ensure balance between biochemistry and biotechnology
- Includes new section focusing on proteomics as well as sections detailing protein function and enzyme-based biofuel production

Companion Website

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Cover design: Cylinder

WILEY Blackwell

ISBN 978-0-470-66985-3



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