

Feedback on the previous edition:

'This is an eminently readable text: literate, balanced, comprehensive, and appropriately quantitative.'

Dr George Rose, Johns Hopkins University.

'One of the few texts which currently covers the fundamental aspects of protein structure and mechanism alongside the use of structural biology tools.'

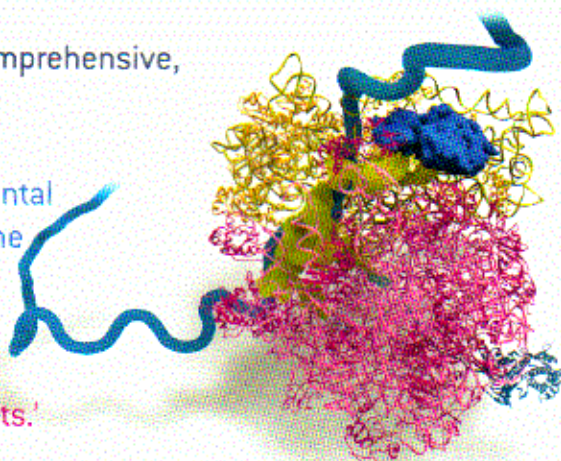
Dr Jacqueline Nairn, University of Stirling.

'A wonderful textbook that should not only be read by students but also by even the most experienced scientists.'

Dr Norbert Krauss, Queen Mary University of London.

'Modern approaches to proteins are included that are treated less well in other textbooks [systems biology, proteomics, bioinformatics].'

Dr Ulrich Schwarz-Linek, University of St Andrews.



The only text to provide a wide-ranging and contemporary perspective on the study of proteins in the context of bioinformatics and genomics, with opportunities for problem solving throughout.

Written by a leading author in the field, *Introduction to Protein Science* gives a broad introduction to this fascinating subject by covering not only the structure and function of proteins, but also the methods and experimental techniques used to study them. The practical applications of our knowledge to diverse fields such as biotechnology and medicine are emphasized throughout, while active learning is encouraged by the provision of numerous exercises, problems, and weblems (web-based problems).

NEW TO THIS EDITION

- Refreshed artwork throughout the text more clearly depicts complex three-dimensional proteins.
- Expanded coverage of areas at the forefront of research, such as the regulation of protein activity, molecular dynamics, and computational and systems biology.
- Further emphasis placed on the applied aspects of protein science to enable you to see the subject's impact at the forefront of research.



online resource centre

www.oxfordtextbooks.co.uk/orc/leskprotein3e/

The Online Resource Centre to accompany *Introduction to Protein Science* features the following:

FOR STUDENTS

- Hints to the solutions of the end-of-chapter problems.
- Rotating structures from the book to help you visualize proteins in 3D.
- Web-based problems for you to complete online.
- Links to useful websites to aid further research into the subject.

FOR REGISTERED ADOPTERS

- Figures from the book in electronic format, ready to download.
- Answers to end-of-chapter exercises.

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