



Practical Skills in Biomolecular Sciences (3rd Edition)

By Rob Reed, Jonathan Weyers, Allan Jones, David Holmes

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Practical Skills in Biomolecular Science, is an indispensable that provides useful support at all stages of a degree course and underpins any practical course in biochemistry, biomedical science, genetics, immunology and microbiology.

- Sections key transferable skills, including chapters on time management, working with others, note taking, revising, assessment and exams, and preparing a cv.
- Chapters on bioinformatics on the preparation and use of calibration curves.
- Up-dated material on the use of the Internet and world wide web.
- Coverage of numeracy and statistics to provide support and guidance in this tricky area.
- Each chapter has study exercises to reinforce learning with problems and practical exercises. Answers are given at the back of the book for all exercises.
- Each chapter is supported by a section giving printed and electronic sources for further study.
- Worked examples and "how to" boxes set out the essential procedures in a step-by-step manner.
- Key points highlight critical features of methodology.
- Use of margin tips, definitions and illustrations.
- Use of two-colour text throughout the book.

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Editorial Review

From the Back Cover

"An essential book for all Life Science students – a highly recommended purchase for their degree."

Dr Mark Wilkinson, University of Liverpool

If you are studying within the biomolecular sciences, then this book is an indispensable companion throughout your entire degree programme. It demonstrates lucidly the laboratory and data analysis skills that you will draw on time and again for the practical aspects of your studies, and also gives you a solid grounding in those wider transferable skills that are increasingly necessary to achieve a higher level of academic success.

This third edition builds on the excellent foundation of its predecessors. It contains a fully updated examination of existing topics and covers even more core skills, including:

- ELISA assays
- DNA micro-arrays
- Digital imaging
- Eukaryote cell culture
- Real-time PCR
- Bioethics
- Personal development planning
- Learning styles
- Avoiding plagiarism
- E-learning

§ Thinking processes

§ Use of software to enhance graph/table drawing, statistical analysis and presentations

Key features

- New 'safety note' feature, highlighting specific hazards and appropriate practical steps to minimise risk
- Worked examples and 'how to' boxes that set out the essential procedures in a step-by-step manner
- Key points highlighting critical features of methodology
- Study exercises in each chapter to reinforce learning
- Use of margin tips, definitions and illustrations throughout

Rob Reed is Professor of Biomedical Sciences at Central Queensland University; **David Holmes** is Head of the Division of Biomedical Sciences at Northumbria University; **Jonathan Weyers** is Director of Quality Assurance at the University of Dundee; and **Allan Jones** is Senior Lecturer in Biology and Life Sciences at the University of Dundee.

Users Review

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Cathy Thomas:

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