

'[*Introduction to Genomics*] is engaging and easy to read . . . I particularly appreciated the "real-world" features such as the coverage of patents.'

Associate Professor David Studholme, University of Exeter

'As in previous editions, the range of ingenious exercises and problems are one of the outstanding features of this textbook.'

Professor Adrian Slater, De Montfort University

'Still on top of the handful of genomics texts.'

Professor Michael Shiaris, University of Massachusetts Boston

This fully updated and restructured new edition takes account of new developments and technologies to present a logical and coherent overview of genome science today. Covering the similarities and differences between organisms; how different organisms evolved; how the genome is constructed and how it operates; and what our understanding of genomics means in terms of our future health and wellbeing, *Introduction to Genomics* is the most up-to-date and complete textbook for students approaching the subject for the first time.

Key features:

- The author's widely-praised writing style leads you through a conceptually challenging subject in a clear and lucid way.
- Numerous learning features throughout help you master the subject by encouraging and supporting independent study.
- Broad and fascinating range of examples ground the study of genomics in the 'real world', inspiring you to apply your knowledge of the subject more widely.

Arthur M. Lesk is Professor of Biochemistry and Molecular Biology at The Pennsylvania State University, USA.

New to this edition:

- Two new chapters, focused on human genomics and applications to health and disease, lay out the concrete outcomes of the human genome project and the most recent advances in cancer genomics.
- An expanded introductory chapter 'sets the scene' for your first encounter with the subject.
- A new 'Looking forward' feature links the topics covered in each chapter to help you make connections between seemingly different topics.
- A glossary of key terms defines all the concepts and abbreviations you need to know.



online resource centre

www.oxfordtextbooks.co.uk/orc/leskgenomics3e/

The Online Resource Centre to accompany *Introduction to Genomics* features:

For students

- Imaginative 'weblems' (web-based problems) for each chapter give you practice with the tools required for further study and research in the field.
- Hints and answers to end-of-chapter exercises and problems support your self-directed learning.
- Guided tour of websites and major archival databanks in genomics offers a wealth of resources to stimulate your own research.
- Journal club: links to related research articles on topics covered in the book are paired with engaging questions to improve your interpretation of the primary literature.
- Rotating figures allow you to visualize complex structures.

For registered adopters

- Figures from the book available to download.

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