

"This remains an excellent textbook for any student studying virology as part of their degree. The early chapters provide a thorough and clearly written background to the necessary molecular biology, and are suitable both for the beginner but also as a short refresher course. The book uses figures and schematics extremely well to explain a number of diverse virus replication cycles in helpful stages, building towards the bigger picture each time. Supporting chapters exploring concepts such as vaccines, therapeutics and pathology make the book a very complete yet compact review of modern virology. I highly recommend this book."

DR CAROLINE GRIFFITHS, SENIOR LECTURER IN VIROLOGY AND MOLECULAR BIOLOGY, OXFORD BROOKES UNIVERSITY

Virology is a fascinating and rapidly developing subject. The introduction of new laboratory techniques and the continued application of established methods are producing a wealth of new information. Virology is a branch of science that is of immense relevance to mankind for a host of reasons, not least of which is the threat to human health caused by viruses, such as HIV, the hepatitis B virus, papillomaviruses, measles and influenza viruses, to mention just a few.

The second edition of *Virology* is an accessible introduction designed to enable students to understand the principles of virus structure, replication and genetics. The aim of this book is to help the reader appreciate the relevance of virology in the modern world, including the fields of vaccines, anti-viral drugs and cancer. There is also a chapter on prions. The second edition has been extensively revised and updated to reflect the many developments in virology and offers deeper insights into the subject. Newly-discovered viruses are discussed and there is an additional chapter on the influenza virus.

HIGHLIGHTS INCLUDE:

- Numerous diagrams carefully developed with standard colour coding to enhance student understanding
- An introduction to the relevance of virology to the modern world, including the latest developments in the field
- An introduction to the theories behind the origins of viruses and how they are evolving, with discussion on emerging viruses

Aimed at undergraduate students of biology, microbiology and biomedical sciences taking courses in virology, this is also an invaluable resource for graduate students who have previously studied little or no virology and are looking for an accessible introduction to the subject. A companion website with additional resources for instructors can be found at www.wiley.com/college/carter and includes animations of virus replication cycles.

WILEY

COVER GLASS SCULPTURE OF HIV VIRUS COURTESY OF WELLS ONE IMAGES
COVER DESIGN: WWW.THEDAKSTUDIO.CO.UK

ISBN 978-1-119-99142-7



9 781119 991427