

third edition

basic virology

Edward K. Wagner, Martinez J. Hewlett,
David C. Bloom, and David Camerini

"This latest revision to the very successful *Basic Virology* is more than just a simple update. The new chapters are very timely and address current virology research topics including the important issues of molecular pathogenesis and bioinformatics. The text is well written and very understandable with excellent use of photos, diagrams, and tables to highlight and aid in the understanding of difficult issues. Instructors will find the text up to date and the figures readily adaptable to Powerpoint lectures. Students will be pleased to find the text engaging while presenting virology in a clear, concise, and enjoyable manner."

Professor Michael R. Roner, University of Texas, Arlington

Ideal for the student seeking a solid understanding of the basic principles in this rapidly developing field, this best-selling text offers a comprehensive introduction to the fundamentals of virology. Featuring an enhanced art program now in full-color, the new edition has been updated throughout, including cutting-edge information on emerging viruses of medical importance and expanded coverage of viral pathogenesis, viral immunology, retroviruses, and HIV/AIDS. New chapters have been added dealing with HIV and AIDS, viruses and cancer, generation and use of recombinant viruses and virus-like particles, viral evolution, network biology and viruses, and animal models and transgenics.

The third edition is even more comprehensive and accessible, including chapter outlines, revised and expanded review questions, case studies, and cumulative end-of-section problems, which integrate topics covered in that section and challenge students to synthesize new material. *Basic Virology* is supported by an outstanding website – www.blackwellpublishing.com/wagner – including original animations, downloadable artwork, and online resources designed to provide both students and instructors with an enhanced understanding of the field.

Edward K. Wagner (May 4, 1940 – January 21, 2006) was Professor of Molecular Biology and Biochemistry at the University of California Irvine. **Martinez J. Hewlett** is Professor Emeritus in the Department of Molecular and Cellular Biology at the University of Arizona. New to this edition, **David C. Bloom** is Associate Professor in the Department of Molecular Genetics and Microbiology at the University of Florida and **David Camerini** is Assistant Professor in the Department of Molecular Biology and Biochemistry at the University of California Irvine.

Cover image: False-color transmission electron micrograph (TEM) of virions (virus particles, orange) of the herpes simplex virus. Here, the viruses are migrating from the host cell's nucleus (green) into surrounding cytoplasm (blue, at top). Herpes simplex is a common parasite of man, causing a variety of infections, including whitlows and cold sores of mouth and genitalia. Genital herpes, attributed to herpes simplex type 2 virus, is one of the sexually transmitted diseases least amenable to treatment, and has been implicated in the development of cancer of the cervix in women. Magnification: $\times 75,500$ at 35 mm, $\times 190,000$ at 6 $\times$ 7 cm size. INSTITUT PASTEUR / UNITE DES VIRUS ONCOGENES / SCIENCE PHOTO LIBRARY.

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