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MCB 2/87
Virus Attachment and Entry into Cells

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Editors: Richard L. Crowell
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New findings on virus infection
Rapid progress in viral research has led to a better understanding of the vital area of virus infection of animal and human cells. Virus Attachment and Entry into Cells offers a major new insight into this evolving field.

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Virus Attachment and Entry into Cells will be of major interest to virologists, immunologists, and others involved in the cross disciplines of microbiology, cell biology, and molecular biology.

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MCB 2/87
Bacteriophage T4

Editors: Christopher K. Mathews, Elizabeth M. Kutter, Gisela Mosig, Peter B. Berget

The outcome of the Evergreen T4 Meetings, this book presents a complete overview of T4 research, from its earliest history to its latest developments. T4 is a remarkable organism, one that has played an important part in the growth of molecular biology research. Here its story is told for the first time in one place. From Doermann's Introduction to the Early Years of Bacteriophage T4 to Guttman and Kutter's Overview to Mathews' Postscript, this book is informative, comprehensive, and up-to-date.

The book will be useful for upper-level students, virologists, and molecular biologists—in fact, indispensable for anyone with an interest in bacteriophage T4.

The papers are arranged in the following sections:

I. T4 Structure and Initiation of Infection
II. DNA Metabolism
   A. Enzymes and Proteins of DNA Metabolism
   B. DNA Metabolism In Vivo
III. Regulation of Gene Expression
   A. Transcription
   B. Processing and Translation
IV. Morphogenesis
V. Structure, Organization, and Manipulation of the Genome
VI. Some Complexities of T4 Genes, Gene Products, and Gene Product Interactions

An appendix presents a table of T4 genes and gene products.

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Molecular Biology of Microbial Differentiation

Proceedings of the Ninth International Spores Conference, Asilomar, California, 3-6 September 1984

Editors: James A. Hoch
Peter Setlow

Unlike past conferences in this series, the Ninth International Spores Conference held in September 1984 focused on one exciting and rapidly progressing area of bacterial development: the molecular biology of the sporulation and germination processes.

Symposium presentations from this important meeting and review articles have been compiled and edited for ready reference by James A. Hoch (Division of Cellular Biology, Research Institute of Scripps Clinic) and Peter Setlow (Department of Biochemistry, University of Connecticut Health Center).

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Editors: Arnold L. Denning and Nadine A. Soloman

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ANNOUNCING SCOPE CHANGES FOR THE JOURNAL OF VIROLOGY

The following is a description of the scope for the Journal of Virology as recently refined by the editors.

The Journal of Virology is devoted to the dissemination of fundamental knowledge concerning the viruses of bacteria, plants, and animals. Investigators in all areas of basic virology are invited to submit reports of original research that uses the approaches of biochemistry, biophysics, cell biology, genetics, immunology, molecular biology, morphology, physiology, and pathogenesis and immunity. The original articles should contain experimental observations that address a hypothesis, lead to new concepts, and indicate new directions in research. The journal will not publish papers that simply provide a new restriction map or nucleotide sequence or report the isolation of monoclonal antibodies, a viral variant, or a new strain. Such information or reagents must instead be used in further experimentation to test an idea or relate a clear set of novel conclusions that derive from these data.

The Journal of Virology specifically encourages publications relating the viruses under study to their host cells or organisms. In recognition of this emphasis, the sections of the journal relating to viral pathogenesis and immunity and to virus-cell interactions have been specifically set aside and identified in the table of contents. The editors wish to promote the publication of research done at the cell biology-virology-organismic biology interface.

ASM publishes a number of journals covering various aspects of microbiology. Each journal has a prescribed scope that must be considered in determining where to publish each manuscript. The following guidelines may be of assistance.

- The Journal of Virology will consider papers that describe the use of antiviral agents in elucidating the basic biological processes of viruses and host cells. Papers dealing with other aspects of antiviral agents and chemotherapy will be considered for Antimicrobial Agents and Chemotherapy.

- Manuscripts describing new methods or improvements in media and culture conditions will not be considered by the Journal of Virology unless the procedures are applied to the study of basic problems in virology or cell biology. Such manuscripts are more appropriate for Applied and Environmental Microbiology or the Journal of Clinical Microbiology. By the same token, manuscripts dealing with methods for the production of monoclonal antibodies will not be considered unless the methods have been used to address fundamental questions.

- Manuscripts dealing with clinical investigations, excluding those concerned with the activities of antiviral agents, should be submitted to the Journal of Clinical Microbiology. Manuscripts dealing with ecology or environmental studies are more appropriate for Applied and Environmental Microbiology.

Questions about these guidelines may be directed to the editor in chief of the journal being considered. Note that a manuscript rejected by one ASM journal on scientific grounds or on the basis of its general suitability for publication is considered rejected by all other ASM journals.
Proceedings of the First Annual Southwest Foundation for Biomedical Research International Symposium, Houston, Texas, 8–10 November 1984

Announcing a new reference on virus vaccines

High-Technology Route to Virus Vaccines is an authoritative, up-to-date account of the preeminent issues in immunization and of specific immunological phenomena. This comprehensive, multi-authored book begins with a historical perspective of the field and proceeds to review the most significant advances and methodologies in virus vaccines. Problems encountered in the introduction of new vaccines to the marketplace are examined.

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High-Technology Route to Virus Vaccines explores the development and application of virus vaccines, including:

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The status of immunization against viral diseases is explored, examining specific diseases affecting humans (hepatitis B, influenza, and rabies) and animals (foot-and-mouth disease and pseudorabies).

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