



VIRUS RESEARCH

An International Journal of Molecular and Cellular Virology

AUTHOR INFORMATION PACK

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DESCRIPTION

Virus Research provides a means of fast publication for original papers on fundamental research in **virology**. Contributions on new developments concerning **virus structure, replication, pathogenesis** and **evolution** are encouraged. These include reports describing virus **morphology**, the function and **antigenic analysis** of virus structural components, virus **genome** structure and expression, analysis on virus **replication processes**, virus evolution in connection with **antiviral interventions**, effects of viruses on their **host cells**, particularly on the **immune system**, and the pathogenesis of virus infections, including oncogene activation and transduction. The journal also publishes review articles on topics of current interest, special issues focused on a defined subject, and occasional book reviews and meeting reports.

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Luis Enjuanes, Ph D., Department of Molecular and Cell Biology, National Center of Biotechnology, Spanish National Research Council (CNB-CSIC), Campus Universidad Autónoma de Madrid, Darwin 3. Cantoblanco, 28049, Madrid, Spain

Editors:

Retroviruses, RNA mechanisms and RNAi

Ben Berkhout, Ph D., Laboratory of Experimental Virology, University of Amsterdam, Meibergdreef 15, 1105 AZ Amsterdam, The Netherlands

RNA Viruses and Virus Evolution

Esteban Domingo, Ph D., Centro de Biología Molecular "Severo Ochoa", Universidad Autónoma de Madrid, Cantoblanco, 28049 Madrid, Spain

RNA Viruses and Virus-host Interaction

Adolfo Garcia-Sastre, Ph D., Department of Microbiology, Department of Medicine, Division of Infectious Diseases, Global Health and Emerging Pathogens Institute, Mount Sinai School of Medicine, 1468 Madison Avenue, New York, NY 10029, USA

DNA Viruses

Dennis O'Callaghan, Ph D., Department of Microbiology and Immunology, Louisiana State University (LSU), Health Sciences Center, 1501 Kings Highway, Shreveport, LA 71130, USA

Plant and Fungal Viruses

Nobuhiro Suzuki, Ph D., Institute of Plant Science and Resources (IPSR), Okayama University, Chou 1-20-1, Kurashiki 710-0046 Okayama, Japan

RNA Viruses, Immune Responses, and Virus-host interaction

Volker Thiel, Ph D., Institute of Immunology, Kanton Hospital St. Gallen, St. Gallen, and VetSuisse Faculty, University of Zürich, Switzerland

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D. Fargette, Centre IRD Montpellier, Montpellier, France
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S. Makino, University of Texas Medical Branch, Galveston, USA
A. Marcello, International Centre for Genetic Engineering and Biotechnology (ICGEB), Trieste, Italy
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J. McCauley, The Pirbright Institute, Newbury, UK
L. Menendez-Arias, Centro de Biología Molecular Severo Ochoa, Madrid, Spain
X.J. Meng, Virginia Polytechnic Institute & State University, Blacksburg, Virginia, USA
C. Meyers, Penn State University College of Medicine, Hershey, Pennsylvania, USA
K. Mise, Kyoto University, Kyoto, Japan
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I. Morgan, MRC-University of Glasgow, Glasgow, Scotland, UK
M.P. Murtaugh, University of Minnesota, St. Paul, Minnesota, USA
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P. Palukaitis, Scottish Crop Research Institute, Invergowrie, Dundee, UK
P. Pellett, Wayne State University School of Medicine, Detroit, Michigan, USA
S. Perliman, University of Iowa, Iowa City, Iowa, USA
T. Pietschmann, Medizinische Hochschule Hannover (MH Hannover), Hannover, Germany
A. Plyusnin
R. Ray, St. Louis University Health Science Center, St. Louis, Missouri, USA
R. Rico-Hesse, Southwest Foundation for Biomedical Research, San Antonio, Texas, USA
J. Ridpath, U.S. Department of Agriculture (USDA), Agricultural Research Service (ARS), Ames, Iowa, USA
B. Rima, Queen's University Belfast, Belfast, UK
J.F. Rodríguez, Centro Nacional de Biotecnología-CSIC, Madrid, Spain
L. Roux, Université de Genève, Genève 4, Switzerland
P. Roy, London School of Hygiene and Tropical Medicine, London, England, UK
L. Ruan, Chinese Center for Disease Control, Beijing, China
S. Samal
J.T. Sample, Penn State University College of Medicine, Hershey, Pennsylvania, USA
M.J. Sapp, Louisiana State University (LSU) Health Sciences Center, Shreveport, Louisiana, USA
C.S. Schmaljohn, US AMRIID, Fort Detrick, Maryland, USA
M. Schnell, Thomas Jefferson University, Philadelphia, Pennsylvania, USA
M. Schweizer, Universität Bern, Bern, Switzerland
A. Siddiqui, University of California at San Diego (UCSD), La Jolla, California, USA
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B. Slagle, Baylor College of Medicine, Houston, Texas, USA
E. Snijder, Leids Universitair Medisch Centrum (LUMC), Leiden, Netherlands
I. Sola, Consejo Superior de Investigaciones Científicas (CSIC), Madrid, Spain
K.R. Spindler, University of Michigan Medical School, Ann Arbor, Michigan, USA
D.C. Stenger, U.S. Department of Agriculture (USDA), Agricultural Research Service (ARS), Parlier, California, USA
M.J. Studdert, University of Melbourne, Parkville, Victoria, Australia
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S. Zuñiga, Centro Nacional de Biotecnología-CSIC, Madrid, Spain
R. Züst, Agency for Science, Technology and Research (A*STAR), Singapore

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INTRODUCTION

Virus Research provides a means of fast publication for original papers on fundamental research in virology. Contributions on new developments concerning virus structure, replication, pathogenesis and evolution are encouraged. These include reports describing virus morphology, the function and antigenic analysis of virus structural components, virus genome structure and expression, analysis on virus replication processes, virus evolution in connection with antiviral interventions, effects of viruses on their host cells, particularly on the immune system, and the pathogenesis of virus infections, including oncogene activation and transduction. The journal also publishes review articles on topics of current interest, special issues focused on a defined subject, and occasional book reviews and meeting reports.

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Follow internationally accepted rules and conventions: use the international system of units (SI). If other quantities are mentioned, give their equivalent in SI.

Virus nomenclature

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Formal taxonomic nomenclature

In formal taxonomic usage, the first letters of virus order, family, subfamily, genus and species names are capitalized and the terms are printed in italics. Other words in the species names are not capitalized unless they are proper nouns or parts of nouns, for example *West Nile virus*. In formal usage, the name of the taxon should precede the term for the taxonomic unit; for example; "the family *Paramyxoviridae*," "the genus *Morbillivirus*." The following represent examples of full formal taxonomic terminology:

1. Order *Mononegavirales*, family *Rhabdoviridae*, genus *Lyssavirus*, species *Rabies virus*.
2. Family *Poxviridae*, subfamily *Chordopoxvirinae*, genus *Orthopoxvirus*, species *Vaccinia virus*.
3. Family *Picornaviridae*, genus *Enterovirus*, species *Poliovirus*.
4. Family *Bunyaviridae*, genus *Tospovirus*, species *Tomato spotted wilt virus*.

Vernacular Taxonomic Nomenclature

In formal vernacular usage, virus order, family, subfamily, genus and species names are written in lower case Roman script: they are not capitalized, nor are they printed in italics or underlined. In informal usage, the name of the taxon should not include the formal suffix, and the name of the taxon should follow the term for the taxonomic unit; for example "the picornavirus family, the enterovirus genus." One particular source of ambiguity in vernacular nomenclature lies in the common use of the same root terms in formal family, genus or species names. Imprecision stems from not being able to easily identify in vernacular usage which hierarchical level is being cited. For example, the vernacular name "*paramyxovirus*" might refer to the family *Paramyxoviridae*, or one species in the genus *Respirovirus*, such as *Human parainfluenza virus 1*. The solution in vernacular usage is to avoid "jumping" hierarchical levels and to add taxon identification wherever needed. For example, when citing the taxonomic placement of *Human parainfluenza virus 1*, taxon identification should always be added: *Human Parainfluenza virus 1* is a species in the genus *Respirovirus*, family *Paramyxoviridae*. In this example, as is usually the case, adding the information that this virus is also a member of the subfamily *Paramyxovirinae* and the order *Mononegavirales* is unnecessary.

It should be stressed that italics and capital initial letters need be used only if the species name refers to the taxonomic category. When the name refers to viral objects such as virions present in a preparation or seen in an electron micrograph, italics and capital initial letters are not needed and the names are written in lower case Roman script. This also applies when the names are used in adjectival form, for instance tobacco mosaic virus polymerase. The use of italics when referring to the name of a species as a taxonomic entity signals that it has the status of an officially recognized species. Please consult: Viral Taxonomy. Ninth Report of the International Committee on Taxonomy of Viruses (ICTV) by Andrew M. Q. King, Elliot J. Lefkowitz, Michael J. Adams and Eric. B. Carstens (October 2011) to ascertain which names have been approved as official species names. When the taxonomic status of a new putative species is uncertain or its position within an established genus has not been clarified, it is considered a tentative species and its name is not written in italics although its initial letter is capitalized.

Origins of bioreagents - The origins of bioreagents should be described adequately, including citation of culture collections, companies, or colleagues from whom the bioreagents were obtained. If viruses were collected from nature, the collecting site and procedure should also be properly described. Bioreagents include but are not necessarily limited to virus strains and species, antibodies, and cell lines.

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