

Current Topics in Microbiology and Immunology

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Series editors

Rafi Ahmed

School of Medicine, Rollins Research Center, Emory University, Room G211, 1510 Clifton Road, Atlanta, GA 30322, USA

Klaus Aktories

Medizinische Fakultät, Institut für Experimentelle und Klinische Pharmakologie und Toxikologie, Abt. I, Albert-Ludwigs-Universität Freiburg, Albertstr. 25, 79104 Freiburg, Germany

Richard W. Compans

Department of Microbiology and Immunology, Emory University, 1518 Clifton Road, CNR 5005, Atlanta, GA 30322, USA

Max D. Cooper

Department of Pathology and Laboratory Medicine, Georgia Research Alliance, Emory University, 1462 Clifton Road, Atlanta, GA 30322, USA

Jorge E. Galan

Boyer Ctr. for Molecular Medicine, School of Medicine, Yale University, 295 Congress Avenue, room 343 New Haven, CT 06536-0812, USA

Tasuku Honjo

Faculty of Medicine, Department of Medical Chemistry, Kyoto University, Sakyo-ku, Yoshida, Kyoto 606-8501, Japan

Yoshihiro Kawaoka

Influenza Research Institute, University of Wisconsin-Madison, 575 Science Drive, Madison, WI 53711, USA

Bernard Malissen

Centre d'Immunologie de Marseille-Luminy, Parc Scientifique de Luminy, Case 906, 13288, Marseille Cedex 9, France

Michael B.A. Oldstone

Department of Immunology and Microbial Science, The Scripps Research Institute, 10550 North Torrey Pines Road, La Jolla, CA 92037, USA

Rino Rappuoli

Novartis Vaccines, Via Fiorentina 1, Siena, 53100, Italy

Peter K. Vogt

Department of Molecular and Experimental Medicine, The Scripps Research Institute, 10550 North Torrey Pines Road, BCC-239, La Jolla, CA 92037, USA

Honorary Editor: Hilary Koprowski (deceased)

Formerly at Biotechnology Foundation, Inc., Ardmore, PA, USA

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Kevin V. Morris
Editor

Long Non-coding RNAs in Human Disease

Responsible Series editor: Peter K. Vogt

 Springer

Editor

Kevin V. Morris
Center for Gene Therapy
City of Hope – Beckman Research Institute
Duarte, CA
USA

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Preface

In the first post-genomic decade, the ENCODE and FANTOM Consortia have revolutionized our understanding of the human non-protein-coding transcriptome, setting the stage for the next step: harnessing the power and promise of long non-coding RNA to improve the health of humanity through novel therapeutics. This volume attempts to capture a summary of the conceptual revolution that is taking long non-coding RNA from the emerging frontier into a diagnostic and therapeutic territory. The implications of this emerging paradigm portend an entirely new era of therapeutic potential whereby long non-coding RNAs can be harnessed or repressed to modulate gene expression, cellular states and disease.

Sydney, Australia

Kevin V. Morris

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