

**PRINCIPLES OF
MEDICAL BIOLOGY**

Edited by

E. EDWARD BITTAR

NEVILLE BITTAR

MEMBRANES AND CELL SIGNALING

Membranes and Cell Signaling

PRINCIPLES OF MEDICAL BIOLOGY
A Multi-Volume Work, Volume 7A

*Editors: E. EDWARD BITTAR, Department of Physiology,
University of Wisconsin, Madison*
**NEVILLE BITTAR, Department of Medicine,
University of Wisconsin, Madison**

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Principles of Medical Biology

A Multi-Volume Work

Edited by **E. Edward Bittar**, *Department of Physiology,
University of Wisconsin, Madison* and
Neville Bittar, *Department of Medicine
University of Wisconsin, Madison*

This work provides:

- * A holistic treatment of the main medical disciplines. The basic sciences including most of the achievements in cell and molecular biology have been blended with pathology and clinical medicine. Thus, a special feature is that departmental barriers have been overcome.
- * The subject matter covered in preclinical and clinical courses has been reduced by almost one-third without sacrificing any of the essentials of a sound medical education. This information base thus represents an integrated core curriculum.
- * The movement towards reform in medical teaching calls for the adoption of an integrated core curriculum involving small-group teaching and the recognition of the student as an active learner.
- * There are increasing indications that the traditional education system in which the teacher plays the role of expert and the student that of a passive learner is undergoing reform in many medical schools. The trend can only grow.
- * Medical biology as the new profession has the power to simplify the problem of reductionism.
- * Over 700 internationally acclaimed medical scientists, pathologists, clinical investigators, clinicians and bioethicists are participants in this undertaking.

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Membranes and Cell Signaling

Edited by **E. EDWARD BITTAR**
Department of Physiology
University of Wisconsin
Madison, Wisconsin

NEVILLE BITTAR
Department of Medicine
University of Wisconsin
Madison, Wisconsin



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LIST OF CONTRIBUTORS

- Ata A. Abdel-Latif* Department of Biochemistry and
Molecular Biology
Medical College of Georgia
Augusta, Georgia
- Paul Burn* Hoffmann-La Roche Inc.
Nutley, New Jersey
- Bruno H. Dalle Carbonare* Department of Biology
Pharmaceutical Research-New
Technologies
F. Hoffmann-La Roche Ltd.
Basel, Switzerland
- Michael Thomas Clandinin* Department of Foods Science & Nutrition
Department of Medicine
The University of Alberta
Edmonton, Alberta, Canada
- Carl E. Creutz* Department of Pharmacology
University of Virginia
Charlottesville, Virginia
- Lloyd Culp* Department of Molecular Biology and
Microbiology
Case Western Reserve University
School of Medicine
Cleveland, Ohio
- N.W. Davies* Department of Physiology
University of Leicester
Leicester, England

- John R. Dedman* Department of Molecular and Cellular
Physiology
University of Cincinnati Medical School
Cincinnati, Ohio
- Nomi Eshhar* Chemistry Department
Life Science Research,
Israel, Inc.
Ness-Ziona, Israel
- W. Howard Evans* Department of Medical Biochemistry
University of Wales College of Medicine
Cardiff, Wales, United Kingdom
- Dalia Gordon* Institute of Life Sciences
Department of Cell and Animal Biology
The Hebrew University
Jerusalem, Israel
- Alan Hall* Institute of Cancer Research
Royal Cancer Hospital
London, England
- Yusuf A. Hannun* Department of Medicine
Duke University Medical Center
Durham, North Carolina
- Morley D. Hollenberg* Department of Pharmacology and
Therapeutics
Faculty of Medicine
The University of Calgary
Calgary, Alberta, Canada
- John Hjort Ipsen* Department of Physical Chemistry
The Technical University of Denmark
Lyngby, Denmark
- Simon M. Jarvis* Biological Laboratory
The University
Canterbury, Kent, England

List of Contributors

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- Timothy Jegla* Department of Anatomy and Neurobiology
Washington University School of Medicine
St. Louis, Missouri
- Kent Jørgensen* Department of Physical Chemistry
The Technical University of Denmark
Lyngby, Denmark
- Marcia Kaetzel* Department of Molecular and Cellular Physiology
University of Cincinnati Medical School
Cincinnati, Ohio
- Doris Koesling* Institut für Pharmakologie
Freie Universität Berlin
Berlin, Germany
- G.J. Law* Laboratory of Neural and Secretory Signalling
Department of Neurobiology
BBSRC Babraham Institute
Cambridge, England
- Roseanna Lechner* Department of Molecular Biology and Microbiology
Case Western Reserve University
School of Medicine
Cleveland, Ohio
- P.M. Lledo* Laboratory of Neural and Secretory Signalling
Department of Neurobiology
BBSRC Babraham Institute
Cambridge, England
- Mark O. Lively* Biochemistry Department
Wake Forest University Medical Center
Winston-Salem, North Carolina

- Thomas D. Madden* Department of Pharmacology and Therapeutics
University of British Columbia
Vancouver, British Columbia, Canada
- Anthony I. Magee* Laboratory of Eukaryotic Molecular Genetics
National Institute for Medical Research
London, England
- W.T. Mason* Department of Neurobiology
Babraham Institute
Cambridge, England
- Catherine E. Morris* Loeb Institute
Ottawa Civic Hospital
Ottawa, Ontario, Canada
- Ole G. Mouritsen* Department of Physical Chemistry
The Technical University of Denmark
Lyngby, Denmark
- Matthias Müller* Institute for Physiological Chemistry,
Physical Biochemistry, and Cell Biology
University of Munich
Munich, Germany
- Kathleen L. O'Connor* Department of Molecular Biology and Microbiology
Case Western Reserve University
School of Medicine
Cleveland, Ohio
- Ole H. Petersen* The Physiological Laboratory
The University of Liverpool
Liverpool, England
- Stephen Rothman* Department of Physiology
University of California, San Francisco
San Francisco, California