Translational Medicine: Molecular Pharmacology and Drug Discovery

Robert A. Meyers (Editor)

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DESCRIPTION

This reference work gives a compete overview of the different stages of drug development using a translational approach. The book is structured in different parts, following the different stages in drug development. Almost half of the work is dedicated to core of drug discovery using a translational approach, the identification of appropriate targets and screening methods for the identification of compounds interacting with these targets. The rest of book covers the whole downstream pipeline after the identification of lead compounds, such as bioavailability issues, identification of appropriate drug delivery venues, production and scaling issues and preclinical trials. As has been the case with other works in the encyclopedia, the book is made up of long, comprehensive and authoritative chapters, written by outstanding researchers in the field.

ABOUT THE AUTHOR

Robert A. Meyers obtained his Ph.D. in Chemistry at the University of California at Los Angeles. He was a post-doctoral fellow at the California Institute of Technology and has more than 17 patents, 50 technical papers and 12 books to his name. As Editor-in-Chief he conceived and edited several ambitious multivolume reference works, e.g. the Encyclopedia of Analytical Chemistry (Wiley), the Encyclopedia of Molecular Biology and Molecular Medicine (Wiley-VCH) and the Encyclopedia of Physical Science and Technology (Academic Press).