The pathways and networks underlying biological function

Now in its second edition, *Biochemical Pathways* will continue to garner praise from students, instructors, and researchers for its clear, full-color illustrations of the pathways and networks that determine biological function.

Biochemical Pathways examines the biochemistry of bacteria, plants, and animals. It offers a quick overview of the metabolic sequences in biochemical pathways, the chemistry and enzymology of conversions, the regulation of turnover, the expression of genes, the immunological interactions, and the metabolic background of health disorders. A standard set of conventions is used in all illustrations, enabling readers to easily gather information and compare the key elements of different biochemical pathways. For both quick and in-depth understanding, the book uses a combination of:

- Illustrations integrating many different features of the reactions and their interrelationships
- Tables listing the important system components and their function
- Text supplementing and expanding on the illustrated facts

In the second edition, the volume has been expanded by 50 percent. Text and figures have undergone a thorough revision and update, reflecting the tremendous progress in biochemical knowledge in recent years. A guide to the relevant biochemical databases facilitates access to the extensive documentation of scientific knowledge.

Biochemical Pathways, Second Edition is recommended for all students and researchers in such fields as biochemistry, molecular biology, medicine, organic chemistry, and pharmacology. The book's illustrated pathways will aid the reader in understanding the complex set of biochemical reactions that occur in biological systems.

GERHARD MICHAL, PhD, has retired from research at Boehringer Mannheim GmbH (now Roche Diagnostics). He is internationally acclaimed for developing the "Biochemical Pathways" wall chart. The first edition, which was published some forty years ago, has been continuously updated and is used in many biochemistry laboratories around the world.

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ISBN 978-0-470-14684-2

9 780470 146842 90000