Methods in Enzymology

Volume LI

Purine and Pyrimidine Nucleotide Metabolism

EDITED BY

Patricia A. Hoffee

Mary Ellen Jones

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Preface

Over the last decade there has been a tremendous increase in the basic information concerning the enzymology of purine and pyrimidine metabolism and in the development of new procedures for the study of this field. This volume attempts to cover the enzymes involved in the biosynthetic, the degradative, and the salvage pathways of purine and pyrimidine nucleotides. Both the purification methods and the properties of pertinent enzymes are presented. When possible, enzymes from eukaryotic as well as prokaryotic sources are included.

We wish to thank the numerous authors for their valuable contributions to this volume and for their excellent cooperation. We would also like to thank Mrs. Barbara Baum, Mrs. Varian Hagglund, Mrs. Ruth Lightfoot, and Miss Betty Rooney for their valuable assistance in dealing with the correspondence involved with this volume, and the staff of Academic Press for their courtesy and efforts during its production.

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