MOLECULAR GENETICS AND METABOLISM
Official journal of the Society for Inherited Metabolic Disorders

AUTHOR INFORMATION PACK

TABLE OF CONTENTS

- Description p.1
- Audience p.2
- Impact Factor p.2
- Abstracting and Indexing p.2
- Editorial Board p.2
- Guide for Authors p.4

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DESCRIPTION

*Molecular Genetics and Metabolism* is a contribution to the understanding of the **metabolic basis of disease**. The journal publishes articles describing investigations that use the tools of **biochemistry** and **molecular biology** for studies of normal and diseased states. In addition to original research articles, occasional minireviews reporting timely advances as well as brief communications and letters to the editor are considered.

Research Areas include:

- **Inherited Metabolic Diseases:**
  - Biochemical studies of primary enzyme defects
  - Molecular genetic analyses of mutations
  - Pathogenesis of these disorders, including not only primary but also secondary metabolic alterations
- **Systems Biology:**
  - Functional integration of biochemical network modules
  - Moonlighting functions of proteins
- **Intercellular and Intracellular Metabolic Relationships:**
  - Biochemical interactions between cells
  - Functional roles of and interactions between subcellular compartments and distinct regions within these cellular spaces, termed microcompartments
  - Metabolic relations between individual enzymes and pathways
- **Cellular Catalysts:**
  - Protein and nonprotein catalyst in normal and deranged cellular metabolism
  - Relationships between the structure and function of catalytic molecules
  - Interaction of these catalysts with other cellular components
- **Disease Pathogenesis:**
  - Underlying mechanisms of inherited and acquired diseases
  - Relationships between genotype and phenotype at the biochemical and molecular levels
- **Treatment:**
  - Drug, protein and dietary interventions
  - Transplantation and gene therapy
  - Multicenter clinical trials

Advances in nanomedicine, nanopediatrics and nanotechnology are also welcome.
AUDIENCE

Molecular geneticists, biochemical geneticists, endocrinologists, metabolists, biochemists, molecular biologists

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INTRODUCTION

Molecular Genetics and Metabolism is a contribution to the understanding of the metabolic basis of disease. The journal publishes articles describing investigations that use the tools of biochemistry and molecular biology for studies of normal and diseased states.

Research Areas include:

• Inherited Metabolic Diseases
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• Disease Pathogenesis
  - Underlying mechanisms of inherited and acquired diseases
  - Relationships between genotype and phenotype at the biochemical and molecular levels
• Treatment
  - Drug, protein and dietary interventions
  - Transplantation and gene therapy
  - Multicenter clinical trials
  - Pharmacogenetics / Pharmacogenomics

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