MOLECULAR GENETICS AND METABOLISM REPORTS

DESCRIPTION

*Molecular Genetics and Metabolism Reports* is an open access journal that publishes molecular and metabolic reports describing investigations that use the tools of **biochemistry** and **molecular biology** for studies of normal and diseased states. In addition to original research articles, sequence reports, brief communication reports 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.
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INTRODUCTION

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• Treatment:
  - Drug, protein and dietary interventions
  - Transplantation and gene therapy

Types of paper
In addition to original research articles, occasional minireviews reporting timely advances as well as brief communications and letters to the editor are considered.

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