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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  - 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

Types of paper
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