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DESCRIPTION

Molecular Genetics and Metabolism Reports is a peer reviewed, open access journal that publishes reports describing investigations that use the tools of **biochemical genetics** and **molecular genetics** for studies of normal and disease states.

In addition to brief research articles, sequence reports, case reports and letters to the editor are considered.

Research Areas include:

- Newborn Screening and Diagnosis of Inherited Metabolic Diseases
- Clinical Management and Treatment of Inborn Errors of Metabolism
- Normal and Pathogenic Functioning Related to Biochemical Genetic Disease
- Biochemical Studies of Primary and Secondary Enzyme Defects
- Thresholds, Moonlighting Functions of Proteins and Biochemical Network Modules
- Intercellular and Intracellular Metabolic Relationships

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INTRODUCTION

***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

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.

Molecular and Metabolic Reports are original research articles that will be considered on the basis of the originality and quality of the work, the clarity of the presentation, and the relevance of the research to the goal of the journal. At the discretion of the Editor, an original article may be accompanied by a Commentary by a member of the Editorial Board or another contributor.

Minireviews will describe timely advances within the scope of the journal, emphasizing emerging topical areas and/or critically analyzing existing data. Contributors should communicate with the Editor before preparing or submitting a review in order to determine if the topic and intent are considered appropriate. At the discretion of the Editor, reviews may be accompanied by comment from one of the Editors or another contributor. Minireviews may be any length and may include any number of references. Figures and tables may be included.

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[2] J. van der Geer, J.A.J. Hanraads, R.A. Lupton, 2018. The art of writing a scientific article. *Heliyon.* 19, e00205. <https://doi.org/10.1016/j.heliyon.2018.e00205>.

Reference to a book:

[3] W. Strunk Jr., E.B. White, *The Elements of Style*, fourth ed., Longman, New York, 2000.

Reference to a chapter in an edited book:

[4] G.R. Mettam, L.B. Adams, How to prepare an electronic version of your article, in: B.S. Jones, R.Z. Smith (Eds.), *Introduction to the Electronic Age*, E-Publishing Inc., New York, 2009, pp. 281–304.

Reference to a website:

[5] Cancer Research UK, Cancer statistics reports for the UK. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/>, 2003 (accessed 13 March 2003).

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