Special Issue

Genomic Analysis of Common Disease

Message from the Guest Editor

The ability of NextGen or massive parallel sequencing technology to screen all genes in the human genome for mutations is changing the reductive one disease–one responsible gene paradigm to one of multifactorial causation. A combined genomic analysis of microarray and whole exome sequencing can define the respective duplication/deficiency of chromosome regions and of gene sequence alterations, the former being common in patients with intellectual disability, and the latter being common in diseases affecting older children and adults. This Special Issue will begin with a brief introduction of genomics and an article contrasting its results when applied to patients with increased joint laxity. Patients with developmental disability and joint laxity from hypotonia of surrounding muscles will have a mixture of copy number and sequence variants, and those with laxity from dysplastic connective tissue in Ehlers–Danlos syndrome will have sequence variants in a different but overlapping network of genes. Accompanying articles that describe DNA results from genomic analysis of other common conditions ranging from cardiovascular diseases to cancer will be explored as well.

Guest Editor

Dr. Golder N. Wilson

1. Department of Pediatrics, Texas Tech University Health Sciences Center, Lubbock, TX, USA
2. KinderGenome Genetics Private Practice, 5347 W Mockingbird, Dallas, TX 75209, USA

Deadline for manuscript submissions

closed (31 July 2024)

Current Issues in Molecular Biology

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 3.7
Indexed in PubMed

mdpi.com/si/179370

Current Issues in Molecular Biology
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cimb@mdpi.com

mdpi.com/journal/cimb

Current Issues in Molecular Biology

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 3.7
Indexed in PubMed

mdpi.com/journal/cimb

MDPI

About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Madhav Bhatia
Department of Pathology and Biomedical Science, University of Otago, Christchurch, 2 Riccarton Avenue, P.O. Box 4345, Christchurch 8140, New Zealand

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PMC, PubMed, Embase, CAPlus / SciFinder, FSTA, AGRIS, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.8 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).

Recognition of Reviewers:

APC discount vouchers, optional signed peer review, and reviewer names are published annually in the journal.