



genes



an Open Access Journal by MDPI

Algorithms for Personal Genomics

Guest Editors:

Dr. Gwênlyn Glusman

Institute for Systems Biology,
Seattle, WA 98109, USA

Dr. Max Robinson

Institute for Systems Biology, 401
Terry Avenue N, Seattle, WA
98109, USA

Deadline for manuscript
submissions:

closed (10 April 2019)

Message from the Guest Editors

Dear Colleagues,

As genetic testing expands out of the research laboratory, into medical practice and the direct-to-consumer market, there is increasing public interest in efficient and private analysis of personal genomic variation for assessment of genetic risks, identification of relatives, for legal, forensic and historic purposes, and for multiple research purposes including haplotype reconstruction, analysis of rare variants and their combinations, and disease association with common variants.

This Special Issue aims to present novel algorithms for the analysis of personal genomes. Analysis can be at any stage of the data life cycle, from quality control to visualization, annotation, and interpretation at the individual, family, or cohort level. We also welcome methods for the integration of genomes with other data types such as multi-omics, Quantified Self and Electronic Health Records.

The emphasis is on algorithmic innovation. Ideally, the methods presented would involve brand new algorithms, significant changes to existing algorithms, or the repurposing of algorithms that were not previously applied in this field.

Dr. Gustavo Glusman

Dr. Max Robinson

Guest Editors



mdpi.com/si/14430

Special Issue



genes



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan

Department of Pathology, The University of Alabama at Birmingham, 1825 University Blvd, SHEL 814, Birmingham, AL 35294-2182, USA

Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

Why not consider *Genes* for your next genetics paper?

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, and other databases.

Journal Rank: JCR - Q2 (*Genetics and Heredity*) / CiteScore - Q2 (*Genetics (clinical)*)

Contact Us

Genes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/genes
genes@mdpi.com
[X@Genes_MDPI](#)