Special Issue

Single-Cell and Bulk Biomarker Discovery Approaches for Complex Diseases

Message from the Guest Editors

Effective biomarkers for complex diseases such as lung cancer or pulmonary fibrosis (particularly biomarkers that signify early-stage illness) are greatly lacking. The ever-developing single-cell technologies provide unprecedented opportunities to deconvolve the cellular heterogeneity in complex diseases, and thus enable the discovery of effective biomarkers at the single-cell level, which could mark the dynamic cell populations associated with phenotypic changes (e.g., from health to disease).The Special Issue welcomes the submission of manuscripts addressing topics including but not limited to:

- Computational or experimental methods for discovering disease biomarkers from single-cell transcriptomic data;
- Computational or experimental methods for discovering disease biomarkers' single-cell multi-omics data;
- Novel computational models or machine-learning approaches for biomarker selection (feature selection);
- Novel experimental models that could enable the discovery of effective disease biomarkers;
- Other experimental or computational methods that are relevant to disease biomarker discovery (or disease diagnostics in general).

Guest Editors

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Deadline for manuscript submissions

closed (20 February 2024)

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Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving 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?

Editor-in-Chief

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