



## Molecular Basis and Gene Therapies of Cystic Fibrosis

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Deadline for manuscript submissions:

**closed (31 March 2020)**

### Message from the Guest Editors

The journal *Genes* is pleased to announce a Special Issue entitled "Molecular Basis and Gene Therapies of Cystic Fibrosis", which is seeking original research contributions. Topics areas in this Special Issue will include three broad areas relevant to developing molecular therapies for cystic fibrosis (CF):

- 1) Molecular mechanisms of CFTR regulation.
  - CFTR gene regulation
  - Post-transcriptional regulation of CFTR
  - CFTR regulation at the cellular level
  - Regulation of CFTR channel function
- 2) Disease pathogenesis
  - Genotype/phenotype correlation
  - Molecular epidemiology of CF
  - Cellular models of CF disease processes
  - Cellular mechanisms of CF disease processes and CFTR function
  - Mechanisms of CF pathogenesis
  - Molecular diagnosis, genetic counseling, and penetrance of CFTR variants
- 3) Genetic therapies for cystic fibrosis.
  - Gene editing
  - Gene replacement
  - Vector development
  - Testing of gene therapies in animal models





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## Editor-in-Chief

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## 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.

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