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Genetics and Molecular Mechanisms of Craniofacial Diseases: A Perspective of Intracellular Trafficking and Signaling

Guest Editor:

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Deadline for manuscript submissions:
closed (25 February 2021)

Message from the Guest Editor

Questions of fundamental importance pertaining to the process of craniofacial morphogenesis include what the molecular players of the craniofacial development process are, how these molecules contribute to craniofacial development, and how an alteration in these molecules disrupts the process. Studies of craniofacial diseases have provided clues to the answers of these questions. Many genes encoding cell surface receptors/ligands, signaling components, and transcription factors have been identified whose pathological mutations cause craniofacial malformations. In addition, intracellular trafficking systems have turned out to be a critical player in craniofacial morphogenesis over the past two decades. Precise understanding of genetics, signaling pathways, and intracellular trafficking of such receptors and their ligands will provide further insight into pathology of craniofacial diseases.

For this Special Issue, I invite the submission of both reviews and original research articles investigating craniofacial diseases caused by a disruption in signaling or trafficking of receptors and their ligands.

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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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