



Connexins and Pannexins in Embryonic and Fetal Development

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Message from the Guest Editor

Connexins and pannexins are transmembrane proteins that form large pore channels, where connexin-made channels also make gap junctions, enabling a direct cell-to-cell and paracrine communication between cells via the exchange of ions, metabolites, and second messengers.

Due to their important role in intercellular communication, mutations of gene encoding connexin proteins have been related to several human diseases and developmental disturbances. In addition, the role of connexins in female infertility, through their influence on the development of the germline, oogenesis, implantation, and decidualization, is extensively studied.

Concerning their important roles in embryonal development, disturbances in connexin/pannexin expression might lead to pathological development and result in malformations and diseases. Despite the extensive research that has recently been carried out, our knowledge of this topic is still limited. Hence, we cordially invite investigators to submit review articles or original research that contribute to our understanding of this complex field of general interest.





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Message from the Editor-in-Chief

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