Special Issue

Cellular and Molecular Mechanisms of Limb Development and Regeneration

Message from the Guest Editor

Embryonic development is a fascinating process requiring a very precise spatiotemporal regulation of cellular proliferation and subsequent differentiation. There are a few model systems addressing experimentally these issues and the vertebrate limb development is one of the more popular ones. This model makes it possible not only to study the embryonic events but also to investigate pathological and repair processes in postnatal life. All major signaling pathways are activated during the induction, progression, and regeneration of the vertebrate limb. Most cellular processes such as migration, patterning, differentiation are also present. Several types of stem cells have been described, which are present during limb development. This Special Issue will focus on the latest developments in limb induction, regeneration, and patterning with the particular focus on the cellular and molecular aspects of those processes.

Guest Editor

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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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