Special Issue

Signaling Pathways and Membrane Trafficking in Osteoclasts

Message from the Guest Editor

Osteoclasts are bone-resorbing giant cells that have multinucleated formations. The mechanisms of osteoclast differentiation are strictly controlled by various signaling pathways. In addition, a characteristic of osteoclast differentiation is the formation of specific membrane called “ruffled border”. Therefore, osteoclast differentiation is closely regulated by various intracellular signaling pathways and membrane trafficking mechanisms. **Keywords**

- Cell signaling
- Membrane trafficking
- Lysosomes
- Podosomes
- Receptors
- Ion channels
- Membrane proteins
- Actin-binding proteins
- Bone diseases

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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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