

Special Issue

Exosomes in Tissue Regeneration and Disease Therapy

Message from the Guest Editor

Exosomes are tiny vesicles secreted by cells, with a diameter of about 30–150 nm, containing cell-specific proteins, lipids, and small molecules of nucleic acids, such as miRNA, mRNA, and lncRNA. In recent years, exosome-mediated intercellular communication has gained extensive attention in the development of human diseases. Many studies confirmed that exosomes have cardioprotective functions similar to stem cells, which can promote angiogenesis, reduce apoptosis, and minimize the damage caused by stress. Exosomes can also be used as drug carriers to treat diseases. Here, we are focus on the role of exosomes in stem cell-based bone regeneration, heart disease, and tumor development.

Guest Editor

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