Special Issue

Cilia in Development

Message from the Guest Editor

The last two decades have seen an explosion in new discoveries in the roles of cilia in animal development and human diseases. Cilia and flagella have been described in various organisms and tissues for many years, but earlier studies mainly focused on their motile functions, such as propelling the sperm or moving mucus. It was not until around the turn of the century when the nonmotile primary cilia were shown to influence many signaling pathways essential for animal development, including hedgehog, PDGF, Wnt, Hippo pathways, and affect cancer progression. Importantly, many previously unrelated disease conditions were subsequently found to share a common cellular basis of abnormal cilia function, hence the birth of a new term: ciliopathies. In this Special Issue, we hope to capture this momentum and showcase a collection of reviews and research articles reflecting the latest findings and understanding of the roles of all kinds of cilia (motile cilia, primary cilia, nodal cilia, flagella) and cilia-related molecules (proteins, non-coding RNAs, lipids, small molecules, etc) in animal development. Studies using all kinds of animal models are welcome.

Guest Editor

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Message from the Editor-in-Chief

The *Journal of Developmental Biology* (*JDB*) publishes original research papers and timely reviews. Our primary aim is to provide a platform for the publication of studies on the development of multicellular organisms efficiently and professionally; papers undergo a fast, yet thorough, peer-review process. JDB is an open access journal and accepted contributions are published immediately online, providing unlimited access to the scientific community and general public. We look forward to receiving your contribution to our journal and to working with fellow researchers.

Editor-in-Chief

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