



Signals in Embryonic Germ Layer Specification

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Message from the Guest Editor

The embryonic development of vertebrates is governed by several sets of evolutionarily conserved signals, including BMP, FGF, Activin, Nodal, and Wnt. These signals are integrated to orchestrate the cell fate determination, germ layer specification, and embryonic patterning through controlling the expression of the target gene(s) regulatory network (GRN). However, understanding the molecular crosstalk among various signaling pathway(s) and GRN remains to be fully elucidated. Hence, the scope of this Special Issue is to expand our knowledge of early embryogenic processes that are actively involved in the activation/deactivation of signal transduction and the target transcription factors (on different signals input) for fate determination and lineage priming during germ layer specification in vertebrates.





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Message from the Editor-in-Chief

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