

## Special Issue

# Molecular Aspects of Sex Development in Mammals: New Insight

### Message from the Guest Editors

The mechanisms producing males and females via sexual reproduction have fascinated humans since ancient times, but only since the last century and especially through immense efforts in genetics-related knowledge of the molecular mechanisms governing sex development and dimorphism in humans and in other mammals have they been elucidated. It is now clear that early events during embryogenesis controlled by master sex-determining genes (GSD) trigger both male and female sex-specific pathways. New genetic and analytical methods permitted the discovery of these male and female sex pathways and allowed one to understand the molecular basis of disorders (or differences) of sex development (DSD). This Special Issue aims to provide an update of current knowledge in the field of DSD by review articles and original research papers. Manuscripts on the molecular mechanisms of sex development, on their phenotypic expression and pathogenetic background, as well as on new techniques to explore DSD in clinical practice are welcome.

### Guest Editors

Dr. Silvano Bertelloni

Dr. Laura Audi

Prof. Dr. Christa Flück

### Deadline for manuscript submissions

closed (31 January 2020)



## International Journal of Molecular Sciences

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Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



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*International Journal of  
Molecular Sciences*  
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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

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