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Molecular Mechanisms of Sperm Activation

Guest Editor:

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Message from the Guest Editor

This Special Issue will focus on the different aspects of sperm activation: initiation and activation of sperm motility, guidance of sperm swimming (including sperm chemotaxis), capacitation and hyperactivation, and induction of the acrosome reaction. It intends to create a platform for up-to-date high-quality publications on sperm activation during fertilization. Studies on the regulation mechanisms of sperm flagellar motility, the role of ion channels such as CatSper in sperm activation, the identification of molecules mediating sperm activation, etc., are welcome. We also welcome articles on applied research based on sperm activation, concerning, for example, livestock breeding, aquaculture technology, and male infertility. We hope that this Special Issue will provide a broad view of spermatology, from basic biology in marine invertebrates to reproductive medicine, fostering new research in reproductive biology areas.













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Message from the Editor-in-Chief

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