

# **Non-genomic Membrane Progesterone Receptors in Spermatozoa**

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## **Abstract**

Adequate experimental data exist demonstrating the presence of a membrane bound protein that mediates rapid non-genomic mode of progesterone actions in spermatozoa to regulate acrosome reaction. Studies are needed to decipher the identity of this protein and if this receptor (protein) is the true membrane PR involved in progesterone mediated acrosome reaction. The discovery of the identity of the sperm PR would enable detailed studies to be conducted at the molecular level on the membrane receptor system, its physiological relevance and its interactions with the nuclear receptors.

*Key words:* Progesterone receptors and spermatozoa