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The role of  $\text{Ca}^{2+}$  in oocyte activation during In Vitro fertilization:  
Insights into potential therapies for rescuing failed fertilization

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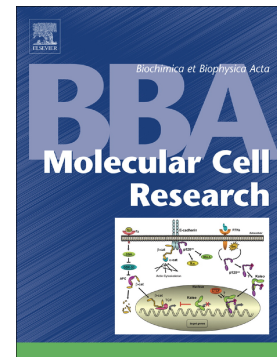
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**The role of  $\text{Ca}^{2+}$  in oocyte activation during *In Vitro* Fertilization: insights into potential therapies for rescuing failed fertilization.**

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Key words: oocyte; fertilization,  $\text{Ca}^{2+}$  oscillations; sperm; phospholipase; ionophore.

Abbreviations: ICSI, intracytoplasmic sperm injection; PLC $\zeta$ , phospholipase Czeta; CDK1, cyclin dependent kinase 1; MPF, maturation promoting factor.

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