

# Review of: "[Mini Review] Tumor Cytobiology of IGF-1R In Breast Tumor Activation and Propagation; And the Role of Celecoxib in Its Inhibition"

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Potential competing interests: No potential competing interests to declare.

Dear Editor-in-Chief,

The manuscript entitled "Tumor Cytobiology of IGF-1R in Breast Tumor Activation and Propagation; And the Role of Celecoxib in Its Inhibition" presents a comprehensive examination of the intricate interplay between the insulin-like growth factor receptor 1 (IGF-1R) pathway and its role in breast tumor activation and dissemination, with a specific emphasis on the inhibitory effects of celecoxib. Indeed, this mini-review provides a detailed analysis of the molecular intricacies underlying IGF-1R-mediated breast cancer progression and explores the potential of celecoxib as an adjunct therapy.

In general, I believe the manuscript can be considered for publication in "Qeios" once the authors have addressed the following comments:

1. Please add a section titled "Cytobiological Mechanisms of IGF-1R in Breast Cancer Metastasis," which could explore various pathways through which IGF-1R influences metastasis.
2. Another proposed section could focus on the specific mechanisms by which celecoxib inhibits IGF-1R signaling. This may include molecular interactions, reduction of IGF-1R expression, downstream pathway inhibition, apoptosis induction, and pharmacokinetic properties.