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**Name of Journal:** *World Journal of Stem Cells*  
**Manuscript NO:** 58155  
**Manuscript Type:** REVIEW

**Stem cell quiescence and its clinical relevance**

Luo M *et al.* Stem cell quiescence

Meng Luo, Jin-Fan Li, Qi Yang, Kun Zhang, Zhan-Wei Wang, Shu Zheng, Jiao-Jiao Zhou



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Further, when re-challenged with second PTX stress, the reactivated cells re-enter quiescence and subsequently obtain stem-like feature. This suggests that quiescence is an **adaptive state to resist PTX stress**, in which **cancer cells subsequently undergo further malignant transformation**.

**Author:** Min Jia, Dianpeng Zheng, Xiuyun Wa...**Publish Year:** 2020