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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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Research in a variety of stem cell types have established that autophagy plays critical roles in **stem cell quiescence**, activation, differentiation, and self-renewal. Here, we will review the



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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