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Cell competition in liver carcinogenesis

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Abstract

Cell competition is now a well established quality control strategy to optimize cell and tissue fitness in multicellular organisms. While pursuing this goal, it is also effective in selecting

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Repopulation occurs by **cell-cell competition** in which more highly proliferative transplanted **fetal liver stem/progenitor cells** progressively replace less proliferative neighboring host hepatocytes by inducing their apoptosis in a mechanism remarkably similar to that described in *Drosophila* during wing development. 13, 14 The level of long-term tissue reconstitution obtained far exceeds that observed with any other **cell** type or **cell** ...

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Mar 04, 2014 - Repopulation occurs by **cell-cell competition** in which more highly proliferative transplanted **fetal liver stem/progenitor cells** progressively replace less proliferative neighboring host hepatocytes by inducing their apoptosis in a mechanism remarkably similar to that described in *Drosophila* during wing development. 13 x 13 Moreno, E. and Basler, K. dMyc transforms **cells** into **super-competitors**.

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Publish Year: 2006

Gap junctional intercellular communication and cell ...

<https://ehp.niehs.nih.gov/doi/10.1289/ehp.93101s5191>

There are also several lines of evidence indicating that the induction of cell proliferation plays an important role during liver carcinogenesis. The relationship between GJIC and cell proliferation and their roles in liver carcinogenesis are not yet known.



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Repopulation occurs by **cell-cell competition** in which more highly proliferative transplanted **fetal liver stem/progenitor cells** progressively replace less proliferative neighboring host hepatocytes by inducing their apoptosis in a mechanism remarkably similar to that described in *Drosophila* during wing development. 13, 14

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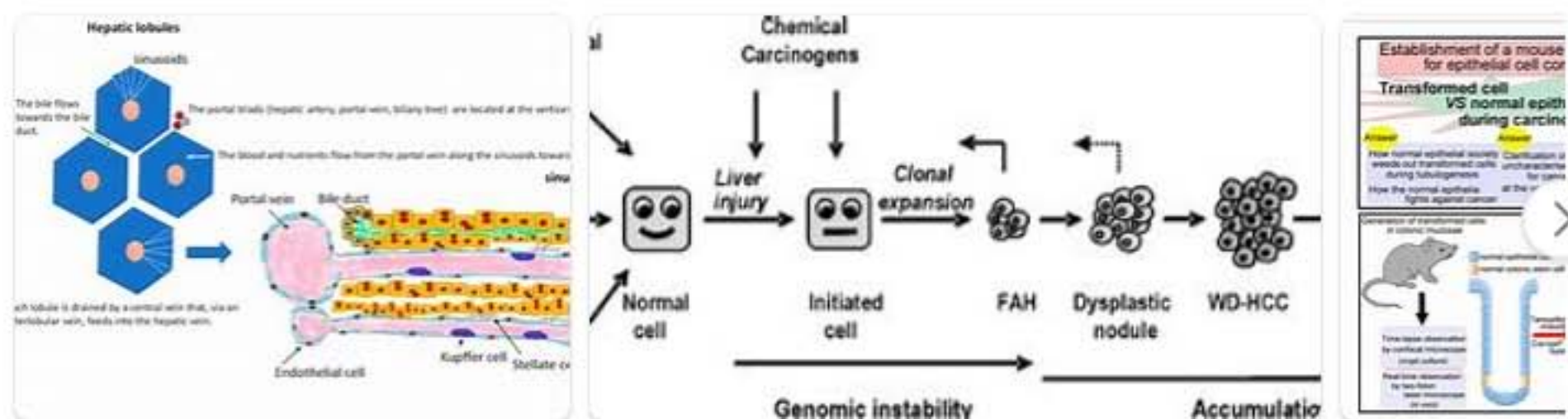
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