

Klp10A, a stem cell centrosome-enriched kinesin, balances ...

https://elifesciences.org/articles/20977 •

Nov 25, 2016 - Asymmetric cell division (ACD) is a key process that balances stem cell self-renewal and differentiation by producing one stem cell and one differentiating cell (Inaba and Yamashita, 2012; Morrison and Kimble, 2006).ACD is also critical for generating diverse cell ...

Cited by: 21 Author: Cuie Chen, Mayu Inaba, Zsolt G Venkei, ... Publish Year: 2016

Centrosome function during stem cell division: the devil ...

https://www.researchgate.net/publication/23460732...

The role of centrosomes in stem cell division has recently been highlighted and further ascribes important functions to centrosomes in stem cell maintenance, cellular differentiation, and development.

Author: Cayetano Gonzalez



Feedback

Human Embryonic Stem Cells Suffer from Centrosomal ...

https://stemcellsjournals.onlinelibrary.wiley.com/doi/10.1002/stem.549

Oct 19, 2010 - Being the major MTOC, centrosomes influence all microtubule-dependent processes including organelle transport, cell shape, cell polarity, and chromosome segregation [12, 13].

Cited by: 55 Author: Zuzana Holubcová, Pavel Matula, Mirosla...

Publish Year: 2011

The role of centrosomes in fertilization, cell division ...

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Centrosome-centric view of asymmetric stem cell division

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7881172

Jan 13, 2021 · 1. Introduction. Since Boveri described and named it more than 100 years ago [], the centrosome (so named because it is in the centre of the cell) its has undergone its fair share of ups and downs.Boveri had already made many interesting observations in the early days, including that the centrosome behaves as if it is central to cell division (e.g. it organizes the cell division apparatus, it ...

Author: Cuie Chen, Yukiko M. Yamashita, Yukik... Publish Year: 2021

Centrosome functions and remodeling during neuronal ...

https://www.sciencedirect.com/science/article/pii/B9780128179901000056

Jan 01, 2021 · Centrosome abnormalities have been observed in aging stem cells with direct consequences for stem cell functions. In drosophila, it has been shown that stem cell division is associated with centrosome disorientation, contributing to reduced stem cell division during aging (Cheng et al., 2008; Roth et al., 2012).

Author: Heide Schatten Publish Year: 2021

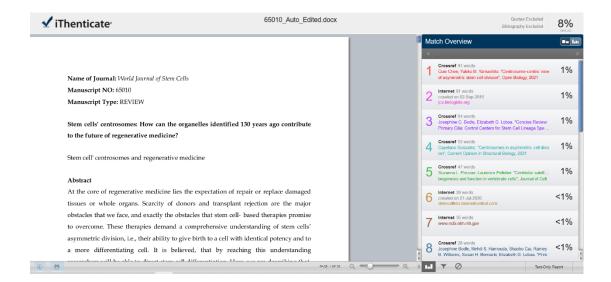
Centrosomes and cancer: revisiting a long-standing ...

https://www.nature.com/articles/nrc3995

 ${\tt Oct\,23,2015} \cdot {\bm Centrosome} \ {\tt aberrations} \ {\tt could} \ {\bm contribute} \ {\tt to \ abnormal \ proliferation} \ {\tt through} \ {\tt otherwise} \ {\tt other$ mechanisms, including by influencing spindle geometry, centriole inheritance in stem cell ...

Cited by: 215 Author: Pierre Gönczy

Publish Year: 2015





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Centrosome-centric view of asymmetric stem cell division

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Author: Cuie Chen, Yukiko M. Yamashita, Yuk... Publish Year: 2021

The Significant Role of Centrosomes in Stem Cell Division ...

https://www.researchgate.net/publication/51478268...

The role of centrosomes in stem cell division has recently been highlighted and further ascribes important functions to centrosomes in stem cell maintenance, cellular differentiation, and development.

Adult Stem Cell Responses to Nanostimuli

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4598673

Jul 16, 2015 - 1.2. The Stem Cell Niche. The concept of a stem cell niche was first reported by Schofield et al. in 1978. In the niche, stem cells reside, interacting with other cells types and help to control tissue homeostasis [].A germ-line stem cell niche from Drosphila melanogaster, was the first stem cell niche identified and was first reported in 2000 [].It is widely accepted that stem cell niches

Cited by: 23 Author: Penelope M. Tsimbouri

Publish Year: 2015

Centrosomes and cancer: revisiting a long-standing ...

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