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Nov 15, 2011 · Thus, regeneration after **traumatic lesion** of the adult zebrafish brain occurs efficiently from **radial glia-type stem/progenitor cells**. **Severe traumatic injury** to the adult **mammalian CNS** leads to life-long loss of function.

**Cited by:** 315**Author:** Volker Kroehne, Dorian Freudenreich, Stef...**Publish Year:** 2011

## Regeneration in the adult central nervous system ...

<https://www.nature.com/articles/nm1297-1329>

Dec 01, 1997 · Regeneration in the adult central nervous system: **Experimental repair strategies**. **Lars Olson** 1

**Cited by:** 145**Author:** Lars Olson**Publish Year:** 1997

## Neuronal regeneration in a zebrafish model of adult brain ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3291641>

Oct 25, 2011 · In contrast to mammals, the adult central nervous system (**CNS**) of teleost fish exhibits a high capacity for neuronal regeneration after **injury** (**Zupanc**, 2001). Thus, comparative studies in **zebrafish and mammals** should reveal both general and divergent properties of adult **neurogenesis**.

**Cited by:** 144**Author:** Norihito Kishimoto, Kohei Shimizu, Kazun...**Publish Year:** 2012

## Neuroinflammation and central nervous system regeneration ...

<https://www.sciencedirect.com/science/article/pii/S0962892413001372>

Neuroinflammation after central nervous system (CNS) injury in **zebrafish versus mammals**. In **zebrafish** the immune response following an acute CNS injury activates resting leukocytes and microglia and provides cues that **activate neural stem/progenitor cells**

**Name of Journal:** *World Journal of Stem Cells*

**Manuscript NO:** 50798

**Manuscript Type:** REVIEW

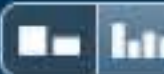
**Regeneration of the central nervous system-principles from brain regeneration in adult zebrafish**

Zambusi A *et al.* Regenerating adult zebrafish brain

Alessandro Zambusi, Jovica Ninkovic

**Abstract**

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## Regeneration of the adult zebrafish brain from neurogenic ...

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Cited by: 315

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Publish Year: 2011

## Zebrafish study reveals regenerative processes by neural ...

<https://medicalxpress.com/news/2018-03-zebrafish-reveals-regenerative-neural-stem.html> ▾

Mar 07, 2018 · Waseda University researchers recently elucidated the regenerative processes of **neural stem cells** using a stab injury model in the optic tectum of adult zebrafish.

## Neuronal regeneration in a zebrafish model of adult brain ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3291641>

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Author: Norihito Kishimoto, Kohei Shimizu, Kazu...

Publish Year: 2012

## Adult zebrafish as a model for successful central nervous ...

<https://www.semanticscholar.org/paper/Adult-zebrafish-as-a-model-for-successful...>

Adult fish, in contrast to mammals, are capable of **regenerating axonal tracts** as well as cells and even entire tissues in the **central nervous system (CNS)**. The **zebrafish** is a powerful genetic model for studies on the developing CNS and is now emerging as a **CNS regeneration** model.

## [PDF] Injury Induced Brain Regeneration of the Adult Zebrafish ...

[https://www.researchgate.net/profile/Jason\\_Chisholm/publication/236202541\\_Injury...](https://www.researchgate.net/profile/Jason_Chisholm/publication/236202541_Injury...)

**regenerate** considerable regions of the **central nervous system (CNS)** and the **zebrafish brain** can induce a **regenerative response** after injury, by activating **progenitor stem cells** that migrate to the ...

## The zebrafish as a model for complex tissue regeneration

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3812420>