



中央研究院
Academia Sinica

Zebrafish model in regeneration research

Chen lab at ICOB, Academia Sinica

PI: Chen-Hui Chen/陳振輝

[More information:](#)



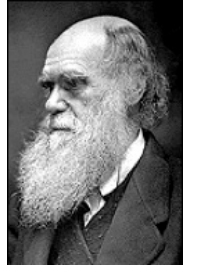
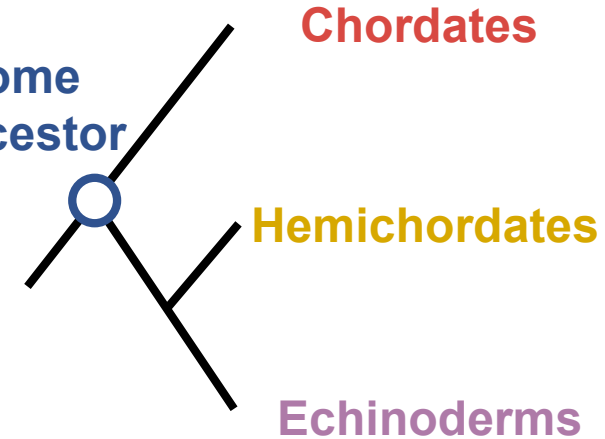
Deuterostome EvoDevo Lab



Yi-Hsien Su
ICOB, Academia Sinica
yhsu@gate.sinica.edu.tw
2789-9511 (Office)
2789-9517 (Lab)



Deuterostome
common ancestor



Research Directions:

1. Reconstruction of the deuterostome ancestral conditions
2. Deciphering the molecular bases for the development and evolution of deuterostomes

Approaches:

1. Comparative developmental studies (from the global GRN to the cis-regulatory DNA level)
2. Comparative genomics, transcriptomics, and other omics

Stem Cells Maintain Tissue Homeostasis



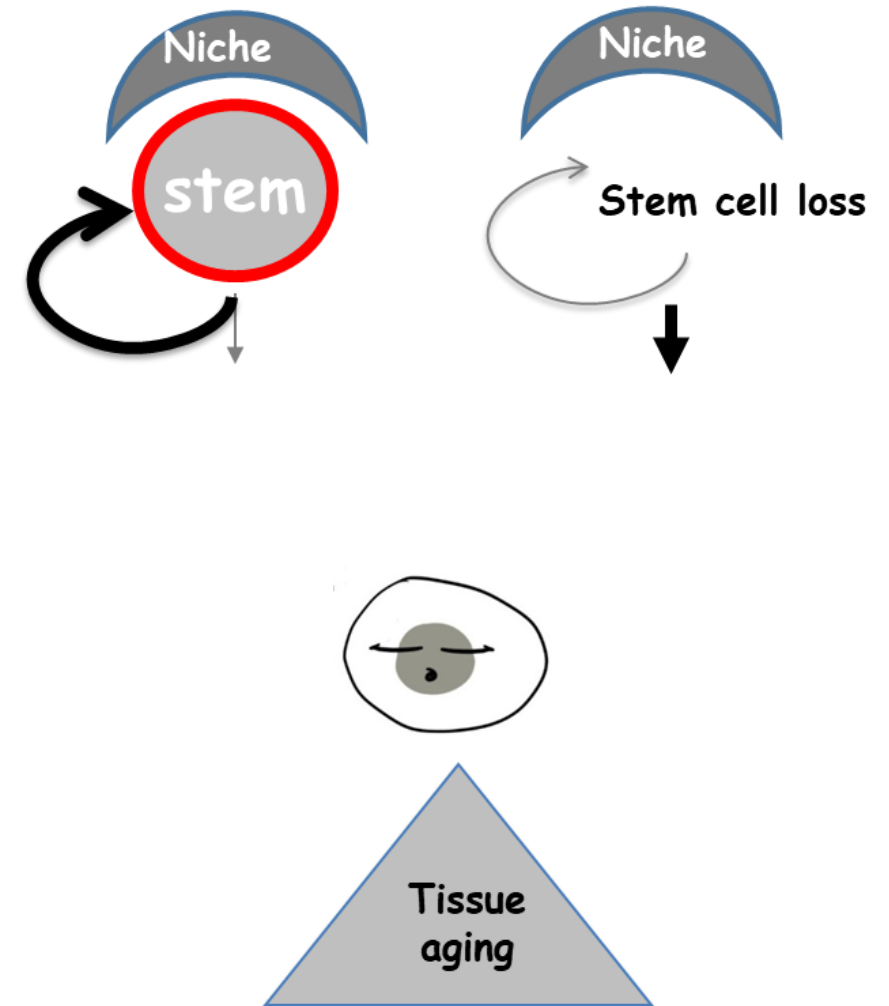
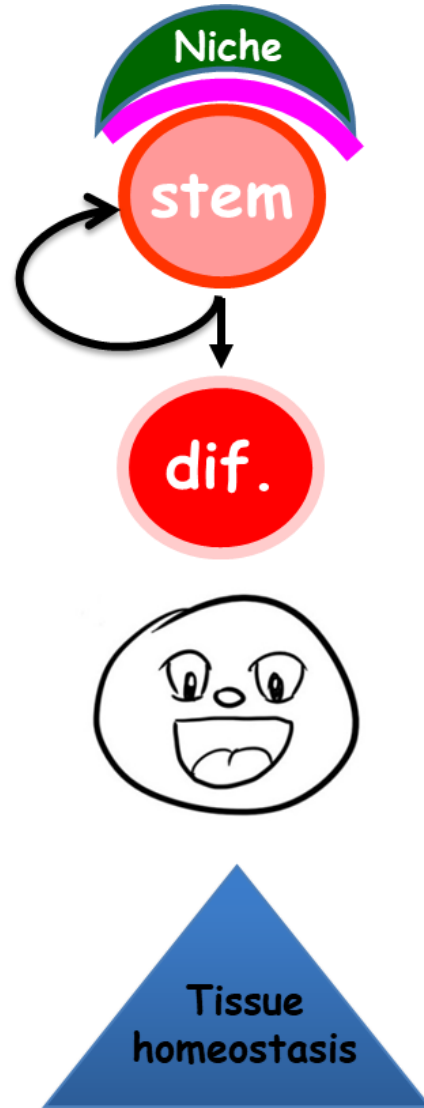
Stem Cell Lan

Hwei-jan Hsu

ICOB/Academia Sinica

cohstu@gate.sinica.edu.tw

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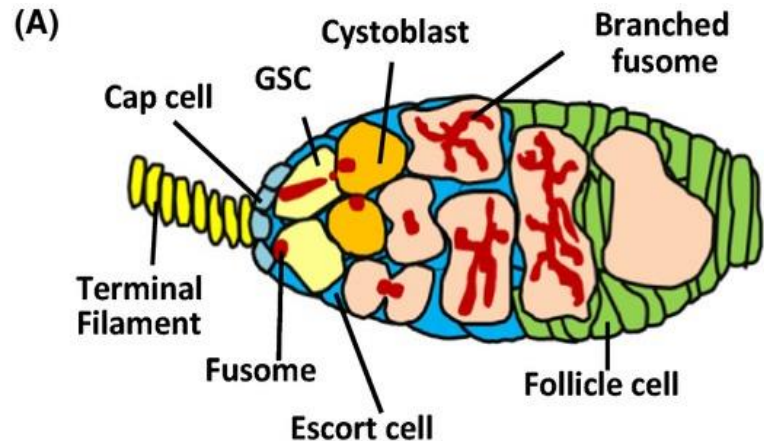
Using *Drosophila* as a model to study stem cell regulation



How aging influences stem cells?



How to main young and healthy stem cells?



Fly ovarian germline stem cells (GSCs) are gradually **LOST during aging**

- How do GSCs respond to aging?
- Why are GSCs lost during aging?
- What signals GSCs for loss?

