

## **Project Title: Regulation of Drosophila neural stem cells**

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Institution: CEDOC

Webpage: <http://cedoc.unl.pt/proliferation-and-fate-regulation-of-stem-cells-3/>

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Location of research lab/research center: CEDOC

### **Summary: (1000 characters)**

In developing animal embryos, stem cell growth is tightly regulated so that the right kinds of cells emerge at the proper place and time. This project aims to investigating how metabolism and nutrition influence this process, and how mistakes can lead to developmental defects and diseases such as cancer.

### **Bibliographic references:**

Homem, C. C. et al. Ecdysone and mediator change energy metabolism to terminate proliferation in Drosophila neural stem cells. *Cell* **158**, 874-888 (2014).