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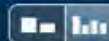
Stem cell autotomy and niche interaction in different systems

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Abstract

The best known cases of cell autotomy are the formation of erythrocytes and thrombocytes (platelets) from progenitor cells that reside in special niches. Recently, autotomy of stem cells and its enigmatic interaction with the niche has been reported from male germline stem cells (GSCs) in several insect species. First described in lepidopterans, the silkworm, followed by the gipsy moth and consecutively in hemipterans, foremost the milkweed bug. In both, moths and the milkweed bug,

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In addition, because stem cells from different systems share many similarities it remains unclear how stem cells in the same niche interact with one another.

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