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NEUROBLASTS OF *DROSOPHILA MELANOGASTER*

S. S. Saydakova^{a, b, *}, A. A. Strunov^c, and K. N. Morozova^{a, b}

^aDepartment of Cytology and Genetics, Novosibirsk State University, Novosibirsk, 630090 Russia

^bFederal Research Center Institute of Cytology and Genetics SB RAS, Novosibirsk, 630090 Russia

^cMedical University of Vienna, Laboratory of Genome Dynamics, Austria, Vienna, A-1090

*E-mail: custodian.of.midnight@gmail.com

This review focuses on neural stem cells of *Drosophila melanogaster* called neuroblasts. *Drosophila melanogaster* is a well-described and convenient model for studying the fundamental behavior of stem cells and mechanisms underlying cell differentiation. Lots of features demonstrated in the development of the *Drosophila*'s nervous system are also found in humans. Therefore, a detailed study of neuroblasts is an important task for expanding our understanding of the process of cell division and the mechanisms of tumor formation. This review will focus on recent advances of the study of *Drosophila* neuroblasts including their classification, origin and migration. In addition, we describe in detail the asymmetric division of neuroblasts and its molecular mechanisms.

Keywords: neuroblast, neurogenesis, asymmetric division, *Drosophila melanogaster*