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Title: Mutant Analysis of Leukocyte Antigen Related-like (LAR) in Drosophila hematopoiesis

Authors: Tiwari, Ashutosh (/jspui/browse?type=author&value=Tiwari%2C+Ashutosh)

Keywords: Biology
Drosophila
Drosophila melanogaster
Hematopoiesis
Leukocyte Antigen Related

Issue Date: 12-Jul-2017

Publisher: IISER-M

Abstract: LAR or Leukocyte Antigen Related Like is a trans-membrane receptor protein tyrosine phosphatase with multiple domains. It is widely known for its involvement in motor axon guidance but it's role in haematopoiesis is not been investigated yet. A genome-wide RNAi screening targetted to the niche was conducted to discover potential players of maintenance and functionality of niche. Dlar has emerged as a key player whose phenotype has given us the potential phenotype to unravel the physiological role of LAR in the hematopoiesis. We have used lymph gland- the larval hematopoietic organ of Drosophila melanogaster as a model system. In this study I tried to find out a classical loss of function mutant for LAR so that its role in hematopoiesis can be established with certainty.

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