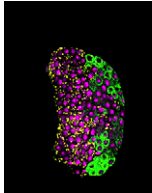


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A microscopic image of the hematopoietic organ (lymph Gland) from *Drosophila* second instar larva showing the heterogeneity of blood progenitors. While the Ance⁺ (yellow) Dome⁺ (magenta) expressing cells are blood progenitors, Dome⁺ (magenta) Pxn⁺ (green) are Intermediate Progenitor cells, and only Pxn⁺ (green) cells are differentiated blood cells. Genetic analysis reveals that cell adhesion and activity of actomyosin components regulate morphogen-dependent patterning in the developing progenitors of the lymph gland. The above collaboration, in turn, establishes a hierarchy in the progenitors, which are at different stages of maturation. Image courtesy of Shiv Kumar Sharma. See Sharma *et al.*, GENETICS 212: 1279–1300.

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