Study of Transcytosis and Cellular Trafficking on Hedgehog Signalling

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Hedgehog and Wingless morphogens specify cell fate in a concentration-dependent manner in the Drosophila wing imaginal disc. In this study, we demonstrate that the glycosyl-phosphatidyl-inositol anchor of the glypican Dally-like is required.

Keywords: Hedgehog; Wingless morphogens; Glycosyl-phosphatidyl-inositol**;** Glypican dally-like**;** Proteoglycans

Introduction

In vertebrates and invertebrates, tissue growth and patterning is controlled by molecules called morphogens. Hedgehog and Wingless/Wnt morphogens are secreted from a local source, forming a gradient