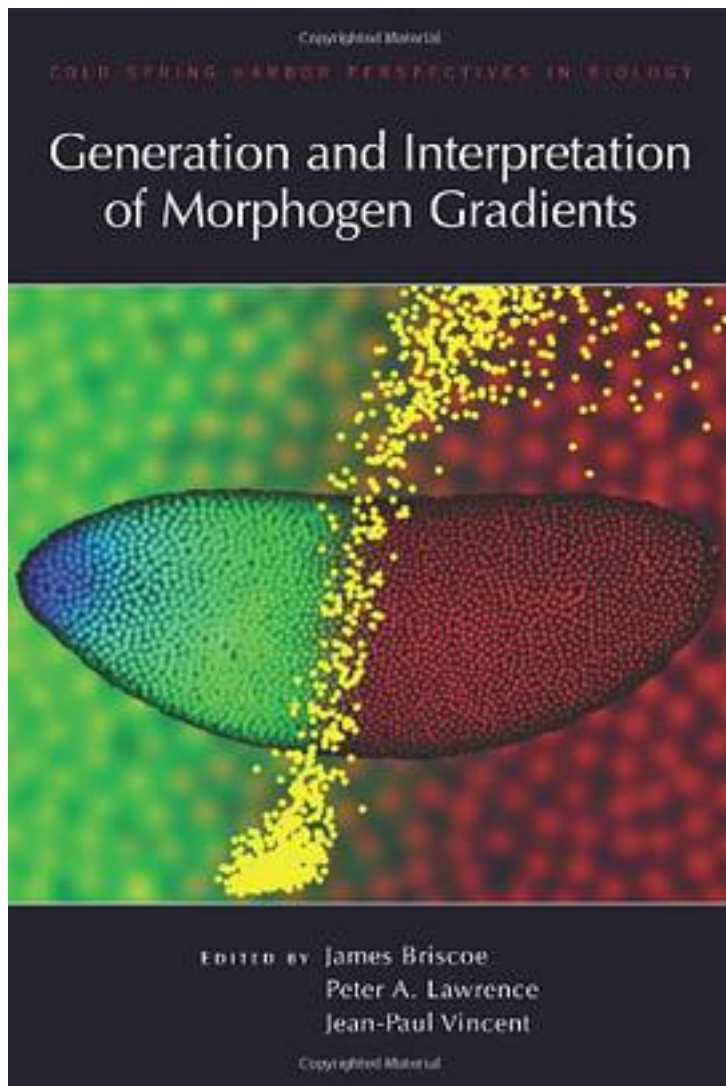


Generation and Interpretation of Morphogen Gradients (Cold Spring Harbor Laboratory)



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Signalling by morphogens such as the Hedgehog family, Notch, Wingless/Wnt and various growth factors is essential during embryogenesis. The establishment of concentration gradients of these morphogens plays a key role during developmental patterning in all multicellular organisms, assuring that distinct cell/tissue types and organs appear at the right place in the right time during embryogenesis. Regulation of morphogen synthesis, trafficking and diffusion are all known to play a part in setting up these gradients, and a complex web of signaling mechanisms ensures that specific responses occur at the correct threshold concentration in the recipient cells whose fate depends on these morphogens.

作者介绍:

目录:

[Generation and Interpretation of Morphogen Gradients \(Cold Spring Harbor Laboratory\) 下载链接1](#)

标签

评论

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