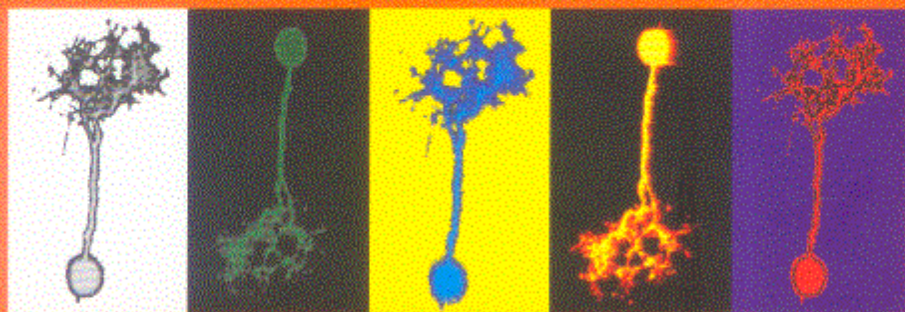


Live Imaging In ZEBRAFISH

Insights into Development and Disease



The zebrafish embryo has now been well established as an organism of choice for the genetic and cell biological basis of vertebrate development. Large-scale forward genetic screens together with reverse genetic tools have resulted in a flood of new information on the regulation of vertebrate development. Furthermore, the unique transparency of the zebrafish embryo allows unprecedented access to cells and tissues and many important discoveries on gene function have already been made using live imaging techniques in this organism. This book brings together state-of-the-art methodologies of live imaging, such as the use of fluorescence correlation spectroscopy (FCS), that will be useful for investigators in the field of developmental biology to address their favorite problem using cell biological approaches in the zebrafish.

Front cover graphics courtesy of Dr. Reinhard Köster, Institute of Developmental Genetics, Helmholtz Zentrum München, German Research Center for Environmental Health (GmbH), Germany.

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