



Cancer and Zebrafish : Mechanisms, Techniques, and Models

By David M. Langenau

Springer-Verlag GmbH Mai 2016, 2016. Buch. Condition: Neu. Neuware - This volume focuses on defining the unique attributes of using the zebrafish cancer model for discovering important pathways and potential drug targets for the treatment of human cancers. Using the zebrafish model, the volume explores oncogene and tumor suppressor discovery, chemical genetic approaches, genomics, epigenetics, cancer imaging, and cell transplantation. Contributed chapters come from the most prominent laboratories working in this field, which provides a unique perspective on zebrafish models from a wide spectrum of the research community. In addition, the book offers a detailed analysis of the most current research in the area for specific zebrafish cancer models, including T cell leukemia, rhabdomyosarcoma, liver and pancreatic cancer, melanoma, neuroblastoma, germ cell tumors, and malignant peripheral sheath tumors. A chapter is also dedicated to the development and utilization of other piscine models of cancer. The compilation of chapters in the volume culminates into a comprehensive and definitive text on zebrafish and cancer, providing a much needed resource on the powerful attributes of the zebrafish model system. 552 pp. English.



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