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## PREFACE

Building on the foundation of our first (1999) and second (2004) editions of *Methods in Cell Biology: The Zebrafish*, Monte, Len, and I are pleased to continue this Third Edition with *Methods in Cell Biology* Volume 101, *Cellular and Developmental Biology, Part B*. In this volume (and its previously released companion, Volume 100, *Part A*), our contributors present the latest technical advances in the Cell, Developmental and Neural Biology of the zebrafish that have appeared since the second edition. One theme that clearly emerges from these chapters is that the zebrafish is the preeminent vertebrate model for mechanistic *cellular* studies of developmental processes *in vivo*.

Subsequently, *Genetics, Genomics, and Informatics* will cover new technologies in Forward and Reverse Genetics, Transgenesis, The Zebrafish Genome and Mapping Technologies, Informatics and Comparative Genomics, and Infrastructure. The Third Edition will also introduce *Disease Models and Chemical Screens*, two rapidly emerging and compelling applications of the zebrafish. We trust that the Third Edition will prove valuable to both seasoned zebrafish investigators and those who are newly adopting the zebrafish model as part of their research armamentarium.

We thank the Series Editors, Leslie Wilson and Paul Matsudaira, and the staff of Elsevier/Academic Press, especially Zoe Kruze, for their enthusiastic support of our Third Edition of *Methods in Cell Biology: The Zebrafish*. Their help, patience, and encouragement are profoundly appreciated.

H. William Detrich, III  
Monte Westerfield  
Leonard I. Zon