

1. Record Nr.	UNINA9910453056403321
Autore	Holden Joseph A. <1949-2009, >
Titolo	The zebrafish : atlas of macroscopic and microscopic anatomy // Joseph A. Holden, M.D., Ph.D., Lester J. Layfield, M.D., Jennifer L. Matthews, D.V.M., Ph.D [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2012
ISBN	1-139-61133-X 1-107-23866-8 1-139-19843-2 1-139-62621-3 1-139-62249-8 1-283-87071-1 1-139-61691-9 1-139-61319-7
Descrizione fisica	1 online resource (viii, 147 pages) : digital, PDF file(s)
Disciplina	597/.482
Soggetti	Zebra danio - Anatomy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Machine generated contents note: Preface; Acknowledgements; 1. Introduction; 2. Cross section and longitudinal section atlas; 3. Integument (skin); 4. Digestive system; 5. Respiratory system; 6. Circulatory system; 7. Liver and gallbladder; 8. Pancreas; 9. Endocrine organs; 10. Kidney; 11. Reproductive system; 12. Sensory systems; 13. Central nervous system; 14. Miscellaneous structures; 15. Musculoskeletal system; Index.
Sommario/riassunto	The zebrafish (<i>Danio rerio</i>) is a valuable and common model for researchers working in the fields of genetics, oncology and developmental sciences. This full-color atlas will aid experimental design and interpretation in these areas by providing a fundamental understanding of zebrafish anatomy. Over 150 photomicrographs are included and can be used for direct comparison with histological slides, allowing quick and accurate identification of the anatomic structures of interest. Hematoxylin and eosin stained longitudinal and transverse

sections demonstrate gross anatomic relationships and illustrate the microscopic anatomy of major organs. Unlike much of the current literature, this book is focused exclusively on the zebrafish, eliminating the need for researchers to exclude structures that are only found in other fish.

2. Record Nr.	UNINA9910734091803321
Autore	Mallot Hanspeter A
Titolo	Computational Neuroscience : A First Course // by Hanspeter A Mallot
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2013
ISBN	3-319-00861-7
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (142 p.)
Collana	Springer Series in Bio-/Neuroinformatics, , 2193-9349 ; ; 2
Disciplina	612.80285
Soggetti	Computational intelligence Neurosciences Computational complexity Computational Intelligence Complexity
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Excitable Membranes and Neural Conduction -- Receptive Fields and the Specificity of Neuronal Firing -- Coding and Representation -- Fourier Analysis for Neuroscientists -- Artificial Neural Networks.
Sommario/riassunto	Computational Neuroscience - A First Course provides an essential introduction to computational neuroscience and equips readers with a fundamental understanding of modeling the nervous system at the membrane, cellular, and network level. The book, which grew out of a lecture series held regularly for more than ten years to graduate students in neuroscience with backgrounds in biology, psychology and medicine, takes its readers on a journey through three fundamental domains of computational neuroscience: membrane biophysics, systems theory and artificial neural networks. The required

mathematical concepts are kept as intuitive and simple as possible throughout the book, making it fully accessible to readers who are less familiar with mathematics. Overall, Computational Neuroscience - A First Course represents an essential reference guide for all neuroscientists who use computational methods in their daily work, as well as for any theoretical scientist approaching the field of computational neuroscience.
