Record Nr.	UNINA9910822759303321
Titolo	Hair cell regeneration, repair, and protection / / Richard J. Salvi, Arthur N. Popper, Richard R. Fay, editors
Pubbl/distr/stampa	New York, : Springer, c2008
ISBN	1-281-23942-9 9786611239428 0-387-73364-7
Edizione	[1st ed. 2008.]
Descrizione fisica	1 online resource (322 p.)
Collana	Springer handbook of auditory research ; ; v. 33
Altri autori (Persone)	SalviRichard PopperArthur N FayRichard R
Disciplina	612.7/99
Soggetti	Hair cells Hair cells - Regeneration
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Noto di bibliografia	Includes hiblingraphical references and index
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Overview: Regeneration and Repair Morphological Correlates of Regeneration and Repair in the Inner Ear Recovery of Function in the Avian Auditory System After Ototrauma Functional Recovery After Hair Cell Regeneration in Birds Hair Cell Regeneration: Mechanisms Guiding Cellular Proliferation and Differentiation Protection and Repair of Inner Ear Sensory Cells Gene Arrays, Cell Lines, Stem Cells, and Sensory Regeneration in Mammalian Ears. The sensory hair cells in the inner ear and vestibular system convert

1.

sensory hair cells and subsequent recovery of function in the auditory and vestibular system. The aim is to provide graduate students, postdoctoral fellows, clinicians and scientists in related disciplines with the biological bases of hair cells and with an understanding of the factors that contribute to their regeneration and repair. Table of Contents: Overview: Regeneration and repair Richard J. Salvi Morphological Correlates of Regeneration and Repair in the Inner Ear Jason R. Meyers and Jeffrey T. Corwin The recovery of function in the avian auditory system following ototrauma James C. Saunders and Richard J. Salvi Functional recovery following hair cell regeneration in birds Robert J. Dooling, Micheal L. Dent, Amanda M. Lauer, and Brenda M. Ryals Hair cell regeneration: Mechanisms guiding cellular proliferation and differentiation Elizabeth C. Oesterle and Jennifer S. Stone Protection and repair of inner ear sensory cells Andrew Forge and Thomas R. Van De Water Gene arrays, cell lines, stem cells, and sensory regeneration in mammalian ears Marcelo N. Rivolta and Matthew C. Holley About the editors: Richard J. Salvi, Center for Hearing and Deafness, University of Buffalo, NY. Arthur N. Popper is Professor in the Department of Biology and Co-Director of the Center for Comparative and Evolutionary Biology of Hearing at the University of Maryland, College Park. Richard R. Fay is Director of the Parmly Hearing Institute and Professor of Psychology at Loyola University of Chicago.