

1. Record Nr.	UNINA9910955147603321
Titolo	Cell proliferation : processes, regulation and disorders // Changhong Zhang and Xiangqiong Zeng, editors
Pubbl/distr/stampa	New York, : Nova Biomedical, 2013
ISBN	1-62417-402-7
Edizione	[1st ed.]
Descrizione fisica	1 online resource (169 p.)
Collana	Cell biology research progress
Altri autori (Persone)	ZhangChanghong <1972-> ZengXiangqiong <1979->
Disciplina	571.8/4
Soggetti	Cell proliferation Cell differentiation
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	Intro -- CELL PROLIFERATION: PROCESSES, REGULATION AND DISORDERS -- CELL PROLIFERATION: PROCESSES, REGULATION AND DISORDERS -- Library of Congress Cataloging-in-Publication Data -- Contents -- Preface -- Chapter I: Glutamate and its Receptors in Controlling Proliferation of Oligodendrocyte Progenitor Cells -- Abstract -- 1. Introduction -- 2. OPCs Represent the Largest Pool of Proliferating Cells in the Brain -- 3. Glutamate Receptors on Oligodendroglial Progenitors and their Role during Cell Proliferation in Culture -- 4. Glutamatergic Synapses on Oligodendroglial Progenitors and their Possible Role during Proliferation -- 4.1. OPCs Receive Functional Synaptic Input from Neurons -- 4.2. Morphology of OPCs during Mitosis -- 4.3. Neuron-glia Synapses during Mitosis -- 4.4. Are Neuron-glia Synapses Involved in Regulation of OPC Proliferation? -- 5. Proliferation of Oligodendroglial Progenitors In Vivo and its Modulation by Electrical Activity in Axons -- 5.1. Neuronal Activity Controls Proliferation of Oligodendroglial Progenitors In Vivo -- 5.2. How do Electrically Active Axons Signal to Glial Cells to Divide? -- Conclusion -- Acknowledgments -- References -- Chapter II: The Two Faces of TGF- $\beta$ in Breast Cancer: Tumour Suppressor and Tumour Promoter -- Abstract -- List of Abbreviations -- 1. Introduction of the TGF- $\beta$ Superfamily -- 2. The Mechanism of TGF- $\beta$ Signal Transduction -- 2.1. The TGF- Pathway -- 2.2. Non-Smad Signalling -- 2.3. Regulation of

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diverse and leading views in the burgeoning field of quality, safety, and value. We do not intend to repeat or replace the seminal efforts of Avedis Donabedian and other pioneers in health care quality. Rather, the intent is to compliment the rich journey of continuous improvement in health care with a current, "state-of-the-art" view. The chapters in this book may be read in any order and asynchronously without compromising the value of the experience and education. Finally, we aim to stimulate further thought and action to help our patients and health care institutions in the quest to provide high-performance and high-reliability health care on top of a foundation of rapid, institutional learning.

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