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| 1. Record Nr. | UNINA990008884060403321 |
| Titolo | Acta Apostolicae Sedis : Commentarium officiale |
| Pubbl/distr/stampa | Roma, : Libreria Editrice Vaticana |
| ISSN | 0001-5199 |
| Disciplina | 282 |
| Lingua di pubblicazione | Latino |
| Formato | Materiale a stampa |
| Livello bibliografico | Periodico |
| 2. Record Nr. | UNINA9910337954303321 |
| Titolo | Computational Glioscience // edited by Maurizio De Pittà, Hugues Berry |
| Pubbl/distr/stampa | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019 |
| ISBN | 3-030-00817-7 |
| Edizione | [1st ed. 2019.] |
| Descrizione fisica | 1 online resource (509 pages) |
| Collana | Springer Series in Computational Neuroscience, , 2197-1900 |
| Disciplina | 611.0188 |
| Soggetti | Neurosciences |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | Part 1. Introduction -- A Neuron-Glial perspective for computational neuroscience -- Part 2. Calcium dynamics -- Data-driven modelling of the inositol trisphosphate receptor and its role in calcium induced calcium release -- Intracellular calcium dynamics: biophysical and simplified models -- Modeling of stochastic Ca ²⁺ signals -- G protein-coupled receptor-mediated astrocytic Ca ²⁺ signaling in astrocytes -- Emergence of regular and complex calcium oscillations by inositol 1,4,5-trisphosphate signaling in astrocytes -- Astrocyte networks and intercellular calcium propagation -- Part 3. Tripartite Synapse and regulation of network activity -- Tripartite synapses and regulation of |

synaptic plasticity -- Purinergic signaling at tripartite synapses -- Gliotransmitter exocytosis and its consequences on synaptic transmission -- Computational models of pathophysiological glial activation in CNS disorders -- Part 4. Homeostasis and Metabolic coupling -- The role of astrocytes in neurotransmitter uptake and brain metabolism -- Glutamate uptake -- Astrocytic ion dynamics: Implications for potassium buffering and liquid flow -- Constraint-Based Modeling of Metabolic Interactions in and between Astrocytes and Neurons -- Part 5. Computational Tools to Analyze and Model Astrocyte Experiments -- Computational models of astrocytes and astrocyte-neuron interactions: Characterization, reproducibility, and future perspectives -- GECIquant: semi-automated detection and quantification of astrocyte intracellular Ca²⁺ signals monitored with GCaMP6f -- Modeling neuron-glia interactions with the Brian 2.0 simulator.

Sommario/riassunto

Over the last two decades, the recognition that astrocytes - the predominant type of cortical glial cells - could sense neighboring neuronal activity and release neuroactive agents, has been instrumental in the uncovering of many roles that these cells could play in brain processing and the storage of information. These findings initiated a conceptual revolution that leads to rethinking how brain communication works since they imply that information travels and is processed not just in the neuronal circuitry but in an expanded neuron-glia network. On the other hand the physiological need for astrocyte signaling in brain information processing and the modes of action of these cells in computational tasks remain largely undefined. This is due, to a large extent, both to the lack of conclusive experimental evidence, and to a substantial lack of a theoretical framework to address modeling and characterization of the many possible astrocyte functions. This book that we propose aims at filling this gap, providing the first systematic computational approach to the complex, wide subject of neuron-glia interactions. The organization of the book is unique insofar as it considers a selection of “hot topics” in glia research that ideally brings together both the novelty of the recent experimental findings in the field and the modelling challenge that they bear. A chapter written by experimentalists, possibly in collaboration with theoreticians, will introduce each topic. The aim of this chapter, that we foresee less technical in its style than in conventional reviews, will be to provide a review as clear as possible, of what is “established” and what remains speculative (i.e. the open questions). Each topic will then be presented in its possible different aspects, by 2-3 chapters by theoreticians. These chapters will be edited in order to provide a “priming” reference for modeling neuron-glia interactions, suitable both for the graduate student and the professional researcher.

3. Record Nr.	UNINA9910597159803321
Titolo	Access to knowledge in Egypt : new research on intellectual property, innovation and development // edited by Nagla Rizk and Lea Shaver
Pubbl/distr/stampa	London, : Bloomsbury Academic, 2010
ISBN	9786612894633 9781282894631 1282894633 9781849660167 1849660166 9781849663588 1849663580
Descrizione fisica	1 online resource (393 p.)
Collana	Access to knowledge
Altri autori (Persone)	RizkNagla ShaverLea Bishop
Disciplina	338.962
Soggetti	Information policy - Egypt Intellectual property - Egypt Knowledge management - Egypt Copyright - Egypt
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	Access to Knowledge in Egypt; Copyright; Acknowledgement; Contents; List of Tables and Figures; Biographies; Advance Acclaim for Access to Knowledge in Egypt; Foreword by Jack Balkin; CHAPTER ONE: Access to Knowledge: Economic, Global and Local Perspectives; CHAPTER TWO: Egypt's Role in the A2K Movement: An Analysis of Positions and Policies; CHAPTER THREE: Access to Medicines in Egypt: A Human Rights Approach to IP, Trade and Health; CHAPTER FOUR: Stories from Egypt's Music Industry: De Facto Commons as Alternatives to Copyright CHAPTER FIVE: The Software Industry in Egypt: What Role for Open Source?CHAPTER SIX: Information and Communications Technology for Development: Building the Knowledge Society in Egypt; Index
Sommario/riassunto	This book is an important contribution to recovering a nuanced,

contextually aware view of access to knowledge and global knowledge governance Yochaie Benkler, Harvard Law School. "This is a 'must read' for scholars and practioners interested in economic development, cultural production and access to knowledge" Susan Sell, George Washington University. This volume features five chapters on current issues facing intellectual property, innovation and development policy from the Egyptian perspective. These include: information and communications technology for development, copyright and comparat
