

1. Record Nr.	UNINA9910346835403321
Titolo	Neuroglia // Multidisciplinary Digital Publishing Institute
Pubbl/distr/stampa	[Place of publication not identified] : , : MDPI - Multidisciplinary Digital Publishing Institute, , [2019] ©2019
ISBN	3-03897-991-0
Descrizione fisica	1 electronic resource (422 p.)
Disciplina	611.0188
Soggetti	Neuroglia Nervous system
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Jorge A. Colombo Interlaminar Glia and Other Glial Themes Revisited: Pending Answers Following Three Decades of Glial Research Reprinted from: Neuroglia 2018, 1, 7-20, doi:10.3390/neuroglia1010003 . 1 -- Alexei Verkhratsky, Nancy Ann Oberheim Bush, Maiken Nedergaard and Arthur Butt The Special Case of Human Astrocytes Reprinted from: Neuroglia 2018, 1, 21-29, doi:10.3390/neuroglia1010004 . 15 -- Philipp Vermehren, Melissa Trotman-Lucas, Beatrice Hechler, Christian Gachet, Richard J. Evans, Claire L. Gibson and Robert Fern Cooperation between NMDA-Type Glutamate and P2 Receptors for Neuroprotection during Stroke: Combining Astrocyte and Neuronal Protection Reprinted from: Neuroglia 2018, 1, 30-47, doi:10.3390/neuroglia1010005 . 24 -- Dan Song, Kangli Ma, Alexei Verkhratsky and Liang Peng L-Dopa and Fluoxetine Upregulate Astroglial 5-HT2B Receptors and Ameliorate Depression in Parkinson's Disease Mice Reprinted from: Neuroglia 2018, 1, 48-62, doi:10.3390/neuroglia1010006 . 42 -- Nicole Pukos, Rim Yoseph and Dana M. McTigue To Be or Not to Be: Environmental Factors that Drive Myelin Formation during Development and after CNS Trauma Reprinted from: Neuroglia 2018, 1, 63-90, doi:10.3390/neuroglia1010007 . 57 -- David R. Serwanski, Andrew L. Rasmussen, Christopher B. Brunquell, Scott S. Perkins and Akiko Nishiyama Sequential Contribution of Parenchymal and Neural Stem Cell-Derived Oligodendrocyte Precursor Cells toward Remyelination Reprinted from:

Neuroglia 2018, 1, 91-105, doi:10.3390/neuroglia1010008 85 -- Behrouz Moshrefi-Ravasdjani, Daniel Ziemens, Nils Pape, Marcel Färbers and Christine R. Rose Action Potential Firing Induces Sodium Transients in Macrogial Cells of the Mouse -- Corpus Callosum Reprinted from: Neuroglia 2018, 1, 106-125, doi:10.3390/neuroglia1010009 . 100 -- Isidro Ferrer Astrogliopathy in Tauopathies Reprinted from: Neuroglia 2018, 1, 126-150, doi:10.3390/neuroglia1010010 . 120 -- Roberta Parolisi and Enrica Boda NG2 Glia: Novel Roles beyond Re-/Myelination Reprinted from: Neuroglia 2018, 1, 151-175, doi:10.3390/neuroglia1010011 . 145 -- Csilla Brasko and Arthur M. Butt Expression of Kir2.1 Inward Rectifying Potassium Channels in Optic Nerve Glia: Evidence for Heteromeric Association with Kir4.1 and Kir5.1 Reprinted from: Neuroglia 2018, 1, 176-187, doi:10.3390/neuroglia1010012 . 170 -- Jorge A. Colombo The History of the Decline and Fall of the Glial Numbers Legend Reprinted from: Neuroglia 2018, 1, 188-192, doi:10.3390/neuroglia1010013 . 182 -- Suzana Herculano-Houzel and Sandra E. Dos Santos You Do Not Mess with the Glia Reprinted from: Neuroglia 2018, 1, 193-219, doi:10.3390/neuroglia1010014 . 187 -- Melvin R. Hayden, DeAna G. Grant, Annayya R. Aroor and Vincent G. DeMarco Ultrastructural Remodeling of the Neurovascular Unit in the Female Diabetic db/db Model-Part I: Astrocyte Reprinted from: Neuroglia 2018, 1, 220-244, doi:10.3390/neuroglia1010015 . 214 -- Alexandr Chvátal and Alexei Verkhratsky An Early History of Neuroglial Research: Personalities Reprinted from: Neuroglia 2018, 1, 245-281, doi:10.3390/neuroglia1010016 . 239 -- Juan Liu, Muhammad Tahir Khan, Yong Tang, Heike Franke and Peter Illes Inflammatory Cytokines Facilitate the Sensitivity of P2X7 Receptors Toward Extracellular ATP at Neural Progenitor Cells of the Rodent Hippocampal Subgranular Zone Reprinted from: Neuroglia 2018, 1, 258-270, doi:10.3390/neuroglia1010017 . 276 -- Mi Huang, Yixing Du, Conrad M. Kiyoshi, Xiao Wu, Candice C. Askwith, Dana M. McTigue and Min Zhou Syncytial Isopotentiality: An Electrical Feature of Spinal Cord Astrocyte Networks Reprinted from: Neuroglia 2018, 1, 271-279, doi:10.3390/neuroglia1010018 . 289 -- Yi Qiu, Hongpeng Huang, Anupriya Chatterjee, Ló'c Dongmo Teuma, Fabienne Suzanne Baumann, Hans-Peter Hammes, Thomas Wieland and Yuxi Feng Mediation of FoxO1 in Activated Neuroglia Deficient for Nucleoside Diphosphate Kinase B during Vascular Degeneration Reprinted from: Neuroglia 2018, 1, 280-291, doi:10.3390/neuroglia1010019 . 298 -- Alex Vasilev, Roba Sofi, Li Tong, Anja G. Teschemacher and Sergey Kasparov In Search of a Breakthrough Therapy for Glioblastoma Multiforme Reprinted from: Neuroglia 2018, 1, 292-310, doi:10.3390/neuroglia1020020 . 310 -- Melvin R. Hayden, DeAna G. Grant, Annayya R. Aroor and Vincent G. DeMarco Ultrastructural Remodeling of the Neurovascular Unit in the Female Diabetic db/db Model-Part II: Microglia and Mitochondria Reprinted from: Neuroglia 2018, 1, 311-326, doi:10.3390/neuroglia1020021 . 329 -- Seantel Hopkins, Manoj K. Gottipati, Vedrana Montana, Elena Bekyarova, Robert C. Haddon and Vladimir Parpura Effects of Chemically-Functionalized Single-Walled Carbon Nanotubes on the Morphology and Vitality of D54MG Human Glioblastoma Cells Reprinted from: Neuroglia 2018, 1, 327-338, doi:10.3390/neuroglia1010022 . 345 Gabor G. Kovacs -- Understanding the Relevance of Aging-Related Tau Astrogliopathy (ARTAG) Reprinted from: Neuroglia 2018, 1, 339-350, doi:10.3390/neuroglia1020023 . 357 -- Melvin R. Hayden, Deana G. Grant, Aranyra Aroor and Vincent G. DeMarco Ultrastructural Remodeling of the Neurovascular Unit in the Female Diabetic db/db Model-Part III: Oligodendrocyte and Myelin Reprinted from: Neuroglia 2018, 1, 351-364, doi:10.3390

/neuroglia1020024 . 369 -- Valentina Mosienko, Seyed Rasooli-Nejad, Kasumi Kishi, Matt De Both, David Jane, Matt J. Huentelman, Sergey Kasparov and Anja G. Teschemacher Putative Receptors Underpinning L-Lactate Signalling in Locus Coeruleus Reprinted from: Neuroglia 2018, 1, 365-380, doi:10.3390/neuroglia1020025 . 383 -- Ulyana Lalo, Alexander Bogdanov, Guy W. J. Moss, Bruno G. Frenguelli and Yuriy Pankratov Role for Astroglia-Derived BDNF and MSK1 in Homeostatic Synaptic Plasticity Reprinted from: Neuroglia 2018, 1, 381-394, doi:10.3390/neuroglia1020026 . 399.

Sommario/riassunto

This book is a compiled version of the journal Neuroglia. It was a peer-review Open Access journal by MDPI that investigated a wide range of glia related topics. Now the journal is published as a section of the journal Brain Sciences, with a new section Editor-in-Chief Prof. Sergey Kasparov.
