
MOUSE CORTICAL CELLS

Electroconductive Collagen-Carbon Nanodots Nanocomposite Elicits Neurite Outgrowth, Supports Neurogenic Differentiation and Accelerates Electrophysiological Maturation of Neural Progenitor Spheroids

David J. Lomboni, Alp Ozgun, Tayline V. de Medeiros, et al. *Adv. Healthcare Mater.* 2024. 13, 2301894

Resilience to autosomal dominant Alzheimer's disease in a Reelin-COLBOS heterozygous man

Francisco Lopera, Claudia Marino, Anita S. Chandrahas, et al. *Nature Medicine* 2023 29: 1243–1252

Biotransformation of Efavirenz and Proteomic Analysis of Cytochrome P450s and UDP-Glucuronosyltransferases in Mouse, Macaque, and Human Brain-Derived In Vitro Systems

Abigail M. Wheeler, Benjamin C. Orsburn, and Namandje N. Bumpus. *Drug Metab Dispos* 2023. 51:521–531

Brain Region and Sex-specific Changes in Mitochondrial Biogenesis Induced by Acute Trimethyltin Exposure

Clin Psychopharmacol Neurosci . 2022 Aug 31;20(3):474-481. doi: 10.9758/cpn.2022.20.3.474

The Effects of Fibrinogen's Interactions with Its Neuronal Receptors, Intercellular Adhesion Molecule-1 and Cellular Prion Protein

Biomolecules 2021 Sep 18;11(9):1381. doi: 10.3390/biom11091381.

Fibrinogen Interaction with Astrocyte ICAM-1 and PrPC Results in the Generation of ROS and Neuronal Death

Int J Mol Sci. 2021 Mar; 22(5): 2391

Neurons Release Serine to Support mRNA Translation in Pancreatic Cancer

Cell . 2020 Nov 25;183(5):1202-1218.e25. doi: 10.1016/j.cell.2020.10.016. Epub 2020 Nov 2

Contraceptive drugs mitigate experimental stroke-induced brain injury

Cardiovasc Res. 2019 Mar 1;115(3):637-646. doi: 10.1093/cvr/cvy248.

Amyloid- β -Induced Changes in Molecular Clock Properties and Cellular Bioenergetics

Front Neurosci. 2017 Mar 17;11:124. doi: 10.3389/fnins.2017.00124.

CD44 Splice Variants as Potential Players in Alzheimer's Disease Pathology

J Alzheimers Dis. 2017;58(4):1137-1149. doi: 10.3233/JAD-161245.

Cell Assembly Signatures Defined by Short-Term Synaptic Plasticity in Cortical Networks

Int J Neural Syst. 2015 Nov;25(7):1550026. doi: 10.1142/S0129065715500264.

PUBLICATIONS

QBM CELL SCIENCE

Ottawa, ON, CANADA, K1A 0R6

Tel: 866-833-8881

qbm@qbmcellscience.com

www.qbmcellscience.com

© 2010 QBM Cell Science, Inc

-
- Rebuilding a realistic corticostriatal "social network" from dissociated cells Front Syst Neurosci. 2015 Apr 20;9:63. doi: 10.3389/fnsys.2015.00063
- Extrasynaptic glutamate NMDA receptors: key players in striatal function Neuropharmacology. 2015 Feb;89:54-63.
- Differential Chemokine Responses in the Murine Brain Following Lyssavirus Infection. J Comp Pathol. 2013 Jun 5. pii: S0021-9975(13)00073-X. doi: 10.1016/j.jcpa.2013.04.001.
- Transcriptional expression patterns triggered by chemically distinct neuroprotective molecules Neuroscience. 2012 Dec 13;226:10-20. doi: 10.1016/j.neuroscience.2012.09
- DHHC5 Protein Palmitoylates Flotillin-2 and Is Rapidly Degraded on Induction of Neuronal Differentiation in Cultured Cells Journal of Biological Chemistry, 287, 523-530.
- The corticostriatal system in dissociated cell culture Frontiers in Systems Neuroscience June 2011 | Volume 5 | Article 52 | 1
- MeCP2 is required for global heterochromatic and nucleolar changes during activity-dependent neuronal maturation Neurobiol. Dis. (2011), doi:10.1016/j.nbd.2011.03.011
- Recurrence Quantification Analysis of Spontaneous Electrophysiological Activity during Development Characterization of In Vitro Neuronal Networks Cultured on Multi Electrode Array Chips Advances in Artificial Intelligence Volume 2010 (2010), Article ID 209254, 10 pages doi:10.1155/2010/209254
- MicroRNA-219 modulates NMDA receptor-mediated neurobehavioral dysfunction PNAS February 5, 2009, doi: 10.1073/pnas.0805854106
- Imprinting regulates mammalian snoRNA-encoding chromatin decondensation and neuronal nucleolar size Human Molecular Genetics 2009 18(22):4227-4238; doi:10.1093/hmg/ddp373
- Cellular uptake and lysosomal delivery of galactocerebrosidase tagged with the HIV Tat protein transduction domain. J Neurochem. 2008 Feb;104(4):1055-64. Epub 2007 Nov 6

PUBLICATIONS

QBM CELL SCIENCE

Ottawa, ON, CANADA, K1A 0R6

Tel: 866-833-8881

qbm@qbmcellscience.com

www.qbmcellscience.com

© 2010 QBM Cell Science, Inc

-
- Diethanolamine Alters Proliferation and Choline Metabolism in Mouse Neural Precursor Cells Toxicological Sciences, 2007
96(2):321-326;
doi:10.1093/toxsci/kfl200
- Purinergic Receptor-Stimulated IP3-Mediated Ca²⁺ Release Enhances Neuroprotection by Increasing Astrocyte Mitochondrial Metabolism during Aging The Journal of Neuroscience, June
13, 2007, 27(24):6510-6520;
doi:10.1523/JNEUROSCI.1256-07.2007
- Extensive neuroprotection by choroid plexus transplants in excitotoxin lesioned monkeys Neurobiol Dis. 2006 Aug;23(2):471-80. Epub 2006 Jun 14.
- Gene expression profiling of choline-deprived neural precursor cells isolated from mouse brain Molecular Brain Research, Volume
134, Issue 2, 4 April 2005, Pages
309-322
- Maternal dietary choline availability alters the balance of netrin-1 and DCC neuronal migration proteins in fetal mouse brain hippocampus Developmental Brain Research
159(2): 149-154, 2005 October 6;
- Calpain and Other Cytosolic Proteases Can Contribute to the Degradation of Retro-translocated Prion Protein in the Cytosol Journal of Biological Chemistry,
Vol. 280, Issue 1, 317-325, January
7, 2005