



Laser Speckle - References

Microvascular Injury in Mild Traumatic Brain Injury Accelerates Alzheimer-like
 Pathogenesis in Mice

https://www.biorxiv.org/content/10.1101/2020.04.12.036392v1.abstract

- Pituitary Adenylate Cyclase-Activating Polypeptide Protects Against Cognitive Impairment Caused by Chronic Cerebral Hypoperfusion https://www.mdpi.com/2076-3921/10/3/354
- Activation of the XBP1s/O-GlcNAcylation pathway improves functional outcome after cardiac arrest and resuscitation in young and aged mice https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9059164/
- Region-specific changes in aquaporin 4 induced by hyperglycemia underlie the differences in cell swelling in the cortex and striatum after cerebral ischemia-reperfusion https://doi.org/10.1016/j.neulet.2021.135885
- Potential Role of Platelet-Activating C-Type Lectin-Like Proteins in Viper Envenomation Induced Thrombotic Microangiopathy Symptom https://doi.org/10.3390/toxins12120749
- Meningeal lymphatics clear erythrocytes that arise from subarachnoid hemorrhage https://doi: 10.1038/s41467-020-16851-z
- Oxymatrine improves blood-brain barrier integrity after cerebral ischemiareperfusion injury by downregulating CAV1 and MMP9 expression https://www.sciencedirect.com/science/article/abs/pii/S0944711321000477
- Activation of G protein-coupled receptor 30 protects neurons by regulating autophagy in astrocytes

https://onlinelibrary.wiley.com/doi/abs/10.1002/glia.23697

_





- Roflumilast prevents ischemic stroke-induced neuronal damage by restricting GSK3β-mediated oxidative stress and IRE1α/TRAF2/JNK pathway https://www.sciencedirect.com/science/article/abs/pii/S0891584920316816
- Development and Evaluation of a Novel Mouse Model of Asphyxial Cardiac Arrest Revealed Severely Impaired Lymphopoiesis After Resuscitation https://www.ahajournals.org/doi/full/10.1161/JAHA.120.019142
- Nebulization of Low-Dose S-Nitrosoglutathione in Diabetic Stroke Enhances
 Benefits of Reperfusion and Prevents Post-Thrombolysis Hemorrhage.
 Biomolecules https://doi.org/10.3390/biom11111587
- Embolic Stroke Model with Magnetic Nanoparticles https://pubmed.ncbi.nlm.nih.gov/34495626/
- Deeper cerebral hypoperfusion leads to spatial cognitive impairment in mice https://svn.bmj.com/content/early/2022/07/13/svn-2022-001594.abstract
- Cervical Vagus Nerve Stimulation Improves Neurologic Outcome After Cardiac
 Arrest in Mice by Attenuating Oxidative Stress and Excessive Autophagy
 https://www.sciencedirect.com/science/article/abs/pii/S1094715921070094
- Establishment of a hypoxia ischemia reperfusion brain damage model in neonatal rat"

https://www.biorxiv.org/content/10.1101/2022.01.10.475606v1.abstract

- A Linarin Derivative Protects against Ischemia-Induced Neuronal Injury in Mice by Promoting Cerebral Blood Flow Recovery via KDELR-Dependent CSPG4 Activation https://doi.org/10.1155/2022/6434086
- Targeted delivery of edaravone by liposomes for the treatment of ischemic stroke https://www.futuremedicine.com/doi/abs/10.2217/nnm-2021-0490
- Antagonism of histamine H3receptor promotes angiogenesis following focal cerebral ischemiahttps://www.nature.com/articles/s41401-022-00916-4#citeas

_





- Ferroptosis is Involved in Hypoxic-ischemic Brain Damage in Neonatal Rats https://doi.org/10.1016/j.neuroscience.2022.02.013
- Cerebral venous hemodynamic responses in a mouse model of traumatic brain injury
 - https://www.sciencedirect.com/science/article/abs/pii/S0006899322002384
- Unbalanced Regulation of Sec22b and Ykt6 Blocks Autophagosome Axonal Retrograde Flux in Neuronal Ischemia–Reperfusion Injury https://www.jneurosci.org/content/42/28/5641.abstract
- Neural Mechanism Underlying Task-Specific Enhancement of Motor Learning by Concurrent Transcranial Direct Current Stimulation https://link.springer.com/article/10.1007/s12264-022-00901-1
- Harnessing cortical plasticity via gabapentinoid administration promotes recovery after stroke https://academic.oup.com/brain/article-abstract/145/7/2378/6589844?redirectedFrom=fulltext&login=true#no-access-message
- Snake C-Type Lectins Potentially Contribute to the Prey Immobilization in Protobothrops mucrosquamatus and Trimeresurus stejnegeri Venoms https://www.mdpi.com/2072-6651/12/2/105
- Rescuing Ischemic Stroke by Biomimetic Nanovesicles through Accelerated Thrombolysis and Sequential Ischemia-Reperfusion Protection. https://doi.org/10.1016/j.actbio.2021.12.009
- Extracellular vesicles from adipose-derived stem cells promote microglia M2 polarization and neurological recovery in a mouse model of transient middle cerebral artery occlusion

https://linkspringer.53yu.com/article/10.1186/s13287-021-02668-0

Precise control of embolic stroke with magnetized red blood cells in mice.
 https://www.nature.53yu.com/articles/s42003-022-03082-9





- Exercise-induced neuroprotection against cerebral ischemia/reperfusion injury is mediated via alleviating inflammasome-induced pyroptosis
 - https://www.sciencedirect.com/science/article/abs/pii/S0014488621003605
- Low-intensity focused ultrasound stimulation ameliorates working memory dysfunctions in vascular dementia rats via improving neuronal environment https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8899543/
- Transcranial focused ultrasound stimulation reduces vasogenic edema after middle cerebral artery occlusion in mice
 - https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8848588/
- Phosphoproteome Analysis Identifies a Synaptotagmin-1-Associated Complex Involved in Ischemic Neuron Injury https://www.mcponline.org/article/S1535-9476(22)00030-5/fulltext
- Ischemia Injury induces mPTP opening by reducing Sirt3.
 https://www.sciencedirect.com/science/article/abs/pii/S0306452221002888
- Dengzhan Xixin injection derived from a traditional Chinese herb Erigeron breviscapus ameliorates cerebral ischemia/reperfusion injury in rats via modulation of mitophagy and mitochondrial apoptosis https://www.sciencedirect.com/science/article/abs/pii/S0378874122000228
- Astrocytic phagocytosis contributes to demyelination after focal cortical ischemia in mice https://www.nature.53yu.com/articles/s41467-022-28777-9
- Ischemia-induced cleavage of OPA1 at S1 site aggravates mitochondrial fragmentation and reperfusion injury in neurons https://www.nature.53yu.com/articles/s41419-022-04782-0
- Systematic Analysis of RNA Expression Profiles in Different Ischemic Cortices in MCAO Mice https://linkspringer.53yu.com/article/10.1007/s10571-022-01220-9





- M2 microglia-derived extracellular vesicles promote white matter repair and functional recovery via miR-23a-5p after cerebral ischemia in mice https://pubmed.ncbi.nlm.nih.gov/35547763/
- TIGAR alleviates oxidative stress in brain with extended ischemia via a pentose phosphate pathway-independent manner

https://www.sciencedirect.com/science/article/pii/S2213231722000957

 Roflumilast, a cyclic nucleotide phosphodiesterase 4 inhibitor, protects against cerebrovascular endothelial injury following cerebral ischemia/reperfusion by activating the Notch1/Hes1 pathway

https://www.sciencedirect.com/science/article/abs/pii/S0014299922002886

- IncRNA DHFRL1 4 knockdown attenuates cerebral ischemia/reperfusion injury by upregulating the levels of angiogenesis related genes https://www.spandidos-publications.com/10.3892/ijmm.2022.5164
- Novel Caspase-1 inhibitor CZL80 improves neurological function in mice after progressive ischemic stroke within a long therapeutic time-window https://www.nature.53vu.com/articles/s41401-022-00913-7
- Differences in hippocampal plasticity and memory outcomes in anterior versus posterior cerebellar stroke

https://www.sciencedirect.com/science/article/pii/S0969996122000936

- Dynamic cerebral blood flow changes with FOXOs stimulation are involved in neuronal damage associated with high-altitude cerebral edema in mice https://www.sciencedirect.com/science/article/abs/pii/S0006899322002116
- M2 macrophage-derived exosomes for DNase 1 delivery to modulate inflammatory microenvironment in ischemic stroke
 https://assets.researchsquare.com/files/rs 1736246/v1_covered.pdf?c=1655492731
- Rapid gut dysbiosis induced by stroke exacerbates brain infarction in turn https://gut.bmj.com/content/70/8/1486.abstract





 Arterial Supercharging Is More Beneficial to Flap Survival Due to Quadruple Dilation of Venules

https://www.sciencedirect.com/science/article/abs/pii/S0022480419307012

- Dual efficacy of Fasudil at improvement of survival and reinnervation of flap through RhoA/ROCK/PI3K/Akt pathway

https://onlinelibrary.wiley.com/doi/full/10.1111/iwj.13800

- Conformation-Specific Blockade of αIIbβ3 by a Non-RGD Peptide to Inhibit Platelet Activation without Causing Significant Bleeding and Thrombocytopenia https://pubmed.ncbi.nlm.nih.gov/32717755/
- Endothelial PPAR δ facilitates the post-ischemic vascular repair through interaction with HIF1 α

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8825601/

Tibial cortex transverse transport accelerates wound healing via enhanced angiogenesis and immunomodulation

http://www.letpub.com.cn/index.php?journalid=9719&page=journalapp&view=detail

- Endothelium-targeted delivery of PPARδ by adeno-associated virus serotype 1 ameliorates vascular injury induced by hindlimb ischemia in obese mice https://www.sciencedirect.com/science/article/pii/S0753332222005613
- Segmental branches emanating from saphenous nerve morphing into sympathetic trunks for innervation of saphenous artery and its clinical implication for arterial sympathectomy

https://onlinelibrary.wiley.com/doi/full/10.1111/iwj.13630

Mechanically Induced Vasospasm Evaluation of Spasmolytic Efficacy of 10
 Pharmaceutical Agents Using Laser Speckle Contrast Imaging
 https://onlinelibrary.wiley.com/doi/abs/10.1002/lsm.23347





- SP6616 as a Kv2.1 inhibitor efficiently ameliorates peripheral neuropathy in diabetic mice

https://www.sciencedirect.com/science/article/pii/S2352396420304370

- DW14006 as a direct AMPKα activator ameliorates diabetic peripheral neuropathy in mice

https://diabetesjournals.org/diabetes/article/69/9/1974/39461/DW14006-as-a-Direct-AMPK-Activator-Ameliorates

 Protein O-GlcNAcylation alleviates small intestinal injury induced by ischemiareperfusion and oxygen-glucose deprivation

https://www.sciencedirect.com/science/article/pii/S0753332221002626

- Mechanically Induced Vasospasm-Evaluation of Spasmolytic Efficacy of 10
 Pharmaceutical Agents Using Laser Speckle Contrast Imaging
 https://onlinelibrary.wiley.com/doi/abs/10.1002/lsm.23347
- Impact of Diameter of Perforator in Pedicle and Different Managements of Intermediate Non-Pedicle Perforator on Flap Survival in Rats https://www.tandfonline.53vu.com/doi/abs/10.1080/08941939.2022.2097345
- Activation of PPAR β/δ by DHA induces VEGF-A expression to promote angiogenesis in the cerebral ischemia penumbra

https://assets.researchsquare.com/files/rs-1499741/v1/04eeb8bd-fd89-4555-a53e-da06e758ff0c.pdf?c=1648776562