

Title	Journal	Link	Publication date	References	Top Paper
<a href="#">Ultrasound-Assisted Blood-Brain Barrier Opening Monitoring by Photoacoustic and Fluorescence Imaging Using Indocyanine Green</a>	Ultrasound in Medicine and Biology		2025	Thomas, Ador, Mylène, Fournié, Sébastien, Rigollet, Claire, Council, Vasile, Stupar, Emmanuel L., Barbier, Chantal, Pichon, Anthony, Delalande	Yes
<a href="#">3D doppler ultrasound imaging of cerebral blood flow for assessment of neonatal hypoxic-ischemic brain injury in mice</a>	PLoS ONE		2023	Guofang, Shen, Kayla, Sanchez, Shirley, Hu, Zhen, Zhao, Lubo, Zhang, Qingyi, Ma	Yes
<a href="#">In vivo imaging in experimental spinal cord injury - Techniques and trends</a>	Brain and Spine		2022	Vanessa, Hubertus, Lea, Meyer, Laurens, Roofls, Lilly, Waldmann, Melina, Nieminen-Kelhä, Michael G., Fehlings, Peter, Vajkoczy	Yes
<a href="#">Early cerebrovascular and long-term neurological modifications ensue following juvenile mild traumatic brain injury in male mice</a>	Neurobiology of Disease	<a href="https://doi.org/10.1016/j.nbd.2020.104952">https://doi.org/10.1016/j.nbd.2020.104952</a>	2020	Aleksandra, Ichkova, Beatriz, Rodriguez-Grande, Emma, Zub, Amel, Saudi, Marie-Line, Fournier, Justine, Aussudre, Pierre, Sicard, André, Obenaus, Nicola, Marchi, Jerome, Badaut	Yes
<a href="#">Transcranial Photoacoustic Detection of Blood-Brain Barrier Disruption Following Focused Ultrasound-Mediated Nanoparticle Delivery</a>	Molecular Imaging and Biology	<a href="http://link.springer.com/10.1007/s11307-019-01397-4">http://link.springer.com/10.1007/s11307-019-01397-4</a>	2020	Johann, Le Floch, Hoang D., Lu, Tristan L., Lim, Christine, Démoré, Robert K., Prud'homme, Kullervo, Hynynen, F. Stuart, Foster	Yes
<a href="#">Multimodal and multiscale optical imaging of nanomedicine delivery across the blood-brain barrier upon sonopermeation</a>	Theranostics	<a href="http://www.thno.org/v10p1948.htm">http://www.thno.org/v10p1948.htm</a>	2020	Jan-Niklas, May, Susanne K., Golombek, Maike, Baues, Anshuman, Dasgupta, Natascha, Drude, Anne, Rix, Dirk, Rommel, Saskia, von Stillfried, Lia, Appold, Robert, Pola, Michal, Pechar, Louis, van Bloois, Gert, Storm, Alexander J. C., Kuehne, Felix, Gremse, Benjamin, Theek, Fabian, Kiessling, Twan, Lammers	Yes
<a href="#">Exploration of melanoma metastases in mice brains using endogenous contrast photoacoustic imaging</a>	International Journal of Pharmaceutics	<a href="http://dx.doi.org/10.1016/j.ijpharm.2017.08.104">http://dx.doi.org/10.1016/j.ijpharm.2017.08.104</a>	2017	Jonathan, Lavaud, Maxime, Henry, Jean Luc, Coll, Veronique, Jossierand	Yes
<a href="#">Very High Resolution Ultrasound Imaging for Real-Time Quantitative Visualization of Vascular Disruption after Spinal Cord Injury</a>	Journal of Neurotrauma	<a href="http://online.liebertpub.com/doi/abs/10.1089/neu.2013.3319">http://online.liebertpub.com/doi/abs/10.1089/neu.2013.3319</a>	2014	Marc, Soubeyrand, Anna, Badner, Reaz, Vawda, Young Sun, Chung, Michael G., Fehlings	Yes
<a href="#">Rejuvenation of corticospinal neurons enhances rehabilitation-associated corticospinal tract axon sprouting and functional recovery post photothrombotic ischemic stroke in mice</a>	Genes & Diseases		2025	Bin, Sun, Li, Sun, Lixiang, Zhang, Xinyu, Xue, Qiuyan, Tian, Lei, Wu, Mei, Li, Jian, Huang, Hong, Ni, Lixiao, Xu, Chenxi, Feng, Jing, Ren, Hongliang, Huo, Xia, Zhang, Xing, Feng, Wenhao, Zhou, Wanliang, Guo, Yaobo, Liu, Rong, Ju, Zhenlang, Lin, Xiaofeng, Yang, Xin, Ding	No
<a href="#">Intrathecal Delivery of Macromolecules to the Spinal Cord Enabled by Laser-Activated Perfluorocarbon Nanodroplets</a>	ACS Nano Medicine	<a href="https://pubs.acs.org/doi/10.1021/acsnanomed.5c00207">https://pubs.acs.org/doi/10.1021/acsnanomed.5c00207</a>	2026	Robert J., Nikolai, Anthony, Donsante, Jason J., Lamanna, Melissa, Cadena, Anamik, Jhunjunwala, David, Qin, Elena V., Vassilieva, Arya T., Oak, Shreya, Vavilala, Matthew, Byrne, Nicholas M., Boulis, Stanislav Y., Emelianov	No
<a href="#">Stent treatment improves cerebral microcirculatory disorder and blood-brain barrier function in internal carotid artery stenosis via intercellular adhesion molecule 1 modulation</a>	Journal of Cell Communication and Signaling		2025	Kuo, Li, Chuansuo, Zhang, Li xuan, Wang, Xiaoxuan, Wang, Ruyue, Wang	No
<a href="#">Sono-mechanical nanostructures-enabled sustained precise ultrasound brain stimulation</a>	Nature Communications	<a href="https://www.nature.com/articles/s41467-026-69710-8">https://www.nature.com/articles/s41467-026-69710-8</a>	2026	Xuandi, Hou, Jianing, Jing, Zhuohan, Shi, Yizhou, Jiang, Lei, Sun	No

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<a href="#">Running exercise mitigates amyloidosis in 5xFAD mice by improving the structure and function of the meningeal lymphatic system</a>	Acta Neuropathologica Communications		2026	Onanong, Mee-inta, Yu-Yi, Chiang, Shen-Feng, Tsai, Tzu-Mo, Yang, Zi-Wei, Zhao, Tzu-Feng, Wang, Hsin-Yi, Wu, Chien-Wei, Hsiung, Pao-Chi, Liao, Hsueh-Te, Lee, Chih-Chung, Huang, Ping-Ching, Wu, Yu-Min, Kuo	No
<a href="#">The "route cause" of methotrexate-induced brain structure changes in a juvenile mouse model: Comparison of systemic and CNS-targeted chemotherapy</a>	NeuroToxicology		2026	Sun Eui, Choi, Tiffany, Ayoub, Gail, Lee, Anne L., Wheeler, Sharon L., Guger, Rosanna, Weksberg, Shinya, Ito, Russell J., Schachar, Johann, Hitzler, Brian J., Nieman	No
<a href="#">Neutrophil extracellular traps induce endothelial damage and exacerbate vasospasm in traumatic brain injury</a>	Theranostics	<a href="https://www.thno.org/v15p9221.htm">https://www.thno.org/v15p9221.htm</a>	2025	Jinchao, Wang, Lei, Li, Jianye, Xu, Dilmurat, Gheyret, Kaiji, Li, Xu, Zhang, Haoran, Jia, Ye, Tian, Xiao, Liu, Shenghui, Li, Guili, Yang, Yalong, Gao, Ruilong, Peng, Huajie, Liu, Bin, Liu, Jianfeng, Zhuang, Cong, Wang, Xin, Chen, Yafan, Liu, Bo, Chen, Chuan, Huang, Yuhan, Li, Xin, Chen, Jianning, Zhang, Shu, Zhang	No
<a href="#">Cerebral organoids display dynamic clonal growth and tunable tissue replenishment</a>	Nature Cell Biology		2024	Dominik, Lindenhöfer, Simon, Haendeler, Christopher, Esk, Jamie B., Littleboy, Clarisse, Brunet Avalos, Julia, Naas, Florian G., Pflug, Eline G.P., van de Ven, Daniel, Reumann, Alexandre D., Baffet, Arndt, von Haeseler, Jürgen A., Knoblich	No
<a href="#">Ex vivo method for rapid quantification of post traumatic brain injury lesion volumes using ultrasound</a>	Journal of Neuroscience Methods		2024	Isaac H., Clark, Dilmareth, Natera, Andrew W., Grande, Walter C., Low	No
<a href="#">Reduced fetal cerebral blood flow predicts perinatal mortality in a mouse model of prenatal alcohol and cannabinoid exposure</a>	BMC Pregnancy and Childbirth		2024	Sira Kate, Rouzer, Anirudh, Sreeram, Rajesh C., Miranda	No
<a href="#">Ultra-photostable small-molecule dyes facilitate near-infrared biophotonics</a>	Nature Communications		2024	Kui, Yan, Zhubin, Hu, Peng, Yu, Zuyang, He, Ying, Chen, Jiajian, Chen, Haitao, Sun, Shangfeng, Wang, Fan, Zhang	No
<a href="#">Targeted opening of the blood-brain barrier using VCAM-1 functionalised microbubbles and "whole brain" ultrasound</a>	Theranostics		2024	Vanessa A., Johanssen, Jia Ling, Ruan, Oliver, Vince, Alec, Thomas, Sarah, Peeters, Manuel Sarmiento, Soto, Jessica, Buck, Michael, Gray, Eleanor, Stride, Nicola R., Sibson	No
<a href="#">Impaired memory in Sprague-Dawley rats exposed to complex groundwater mixtures of contaminants is associated with reduced cranial blood flow and hippocampal neurotoxicity</a>	NeuroToxicology		2024	B., Boamah, C., Morse, S., Siciliano, N., Hogan, M., Hecker, M., Hanson, P., Campbell, R., Peters, A. N., Al-Dissi, T. D., Olver, L., Weber	No
<a href="#">Choroid plexus extracellular vesicle transport of blood-borne insulin-like growth factor 1 to the hippocampus of the immature brain</a>	PNAS Nexus		2024	Niklas, Ortenlöf, Suvi, Vallius, Helena, Karlsson, Claes, Ekström, Amanda, Kristiansson, Bo, Holmqvist, Stanislava, Pankratova, Norman, Barton, David, Ley, Magnus, Gram	No
<a href="#">Glioblastoma targeting by water-soluble hypericin derivate HHL-PVP and photodynamic tumour killing</a>	Biomedicine and Pharmacotherapy		2025	Djenana, Vejzovic, Andreas, Kubin, Karoline, Fechter, Christina, Karner, Jaana, Hartmann, Thomas, Ackerbauer, Branislav, Radović, Gerald, Ritter, Muammer, Üçal, Stefan, Ropele, Kariem Mahdy, Ali, Mario, Mischkulnig, Marlene, Leoni, Bernadette, Liegl-Atzwanger, Lionel, Wightman, Beate, Rinner	No

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<a href="#">Mitochondria dysfunction, a potential cytoprotection target against ischemia-reperfusion injury in a mouse stroke model</a>	Neurotherapeutics		2025	Elodie, Ong, Paul, Clottes, Christelle, Leon, Hala, Guedouari, Noelle, Gallo-Bona, Megane, Lo Grasso, Lucas, Motter, Radu, Bolbos, Michel, Ovize, Norbert, Nighogossian, Marlene, Wiart, Melanie, Paillard	No
<a href="#">Sex differences in middle cerebral artery reactivity and hemodynamics independent from changes in systemic arterial stiffness in Sprague-Dawley rats</a>	Physiological Reports		2025	Jonathan W., Ray, Xuming, Sun, Nildris, Cruz-Diaz, Victor M., Pulgar, Liliya M., Yamaleyeva	No
<a href="#">Laser-activated perfluorocarbon nanodroplets for intracerebral delivery and imaging via blood-brain barrier opening and contrast-enhanced imaging</a>	Journal of Nanobiotechnology		2024	Kristina A., Hallam, Robert J., Nikolai, Anamik, Jhunjunwala, Stanislav Y., Emelianov	No
<a href="#">Computational Super-Resolution for Ultrasound Localization Microscopy through Solving an Inverse Problem</a>		<a href="https://gitlab.irit.fr/minds/these-vassili">https://gitlab.irit.fr/minds/these-vassili</a>		Vassili, Pustovalov, Duong-Hung, Pham, Corentin, Alix, Jean-Pierre, Remeniéras, Denis, Kouamé, Duong, Hung Pham, Jean-Pierre, Remeniéras, Denis, KouaméKouam	No
<a href="#">Micro-ultrasound based characterization of cerebrovasculature following focal ischemic stroke and upon short-term rehabilitation</a>	Journal of Cerebral Blood Flow and Metabolism		2024	Johnson, Yu, Illsung L., Joo, Paolo, Bazzigaluppi, Margaret M., Koletar, Emmanuel, Cherin, Andrew G., Stanisz, James W.C., Graham, Christine, Demore, Bojana, Stefanovic	No
<a href="#">Evaluation of recombinant human IGF-1/IGFBP-3 on intraventricular hemorrhage prevention and survival in the preterm rabbit pup model</a>	Scientific Reports		2023	Claes, Ekström, Niklas, Ortenlöf, Amanda, Kristiansson, Bo, Holmqvist, Åsa, Jungner, Suvii, Vallius, Xiaoyang, Wang, Ann, Hellström, Norman, Barton, Galen, Carey, David, Ley, Magnus, Gram	No
<a href="#">Corticospinal-specific Shh overexpression in combination with rehabilitation promotes CST axonal sprouting and skilled motor functional recovery after ischemic stroke</a>	Molecular Neurobiology		2024	Biwu, Wu, Lei, Yang, Caihua, Xi, Haijun, Yao, Long, Chen, Fengqi, Fan, Gang, Wu, Zhouying, Du, Jin, Hu, Shukun, Hu	No
<a href="#">Transplantation of active nucleus pulposus cells with a keep-charging hydrogel microsphere system to rescue intervertebral disc degeneration</a>	Journal of Nanobiotechnology		2023	Yingchuang, Tang, Kai, Zhang, Hongyou, Zhou, Chenchen, Zhang, Zixiang, Liu, Hao, Chen, Hanwen, Li, Kangwu, Chen	No
<a href="#">Human Spinal Oligodendroglial Neural Progenitor Cells Enhance Pathophysiological Outcomes and Functional Recovery in a Clinically Relevant Cervical Spinal Cord Injury Rat Model</a>	Stem cells translational medicine		2023	Katarzyna, Pieczonka, Hiroaki, Nakashima, Narihito, Nagoshi, Kazuya, Yokota, James, Hong, Anna, Badner, Jonathon C.T., Chio, Shinsuke, Shibata, Mohamad, Khazaei, Michael G., Fehlings	No
<a href="#">Neurovascular hypoxia trajectories assessed by photoacoustic imaging in a murine model of cardiac arrest and resuscitation</a>	IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control		2023	John P., Salvas, Katherine A., Leyba, Luke E., Schepers, Nitchawat, Paiyabhroma, Craig J., Goergen, Pierre, Sicard	No
<a href="#">16p11.2 haploinsufficiency reduces mitochondrial biogenesis in brain endothelial cells and alters brain metabolism in adult mice</a>	Cell Reports		2023	Alexandria, Béland-Millar, Alexia, Kirby, Yen, Truong, Julie, Ouellette, Sozerko, Yandiev, Khalil, Bouyakdan, Chantal, Pileggi, Shama, Naz, Melissa, Yin, Micaël, Carrier, Pavel, Kotchetkov, Marie Kim, St-Pierre, Marie Eve, Tremblay, Julien, Courchet, Mary Ellen, Harper, Thierry, Alquier, Claude, Messier, Adam J., Shuhendler, Baptiste, Lacoste	No
<a href="#">Neurovascular hypoxia trajectories assessed by photoacoustic imaging in a murine model of cardiac arrest and resuscitation</a>	IEEE Trans Ultrason Ferroelectr Freq Control		2023	John P. Salvas, Katherine A. Leyba, Luke E. Schepers, Nitchawat, Paiyabhroma, Craig J. Goergen, Pierre, Sicard	No

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<a href="#">Severe intraventricular hemorrhage causes long-lasting structural damage in a preterm rabbit pup model</a>	Pediatric Research		2022	Olga, Romantsik, Emily, Ross-Munro, Susanne, Grönlund, Bo, Holmqvist, Anders, Brinte, Erik, Gerdts, Suvi, Vallius, Matteo, Bruschetti, Xiaoyang, Wang, Bobbi, Fleiss, David, Ley	No
<a href="#">MnCO<sub>3</sub>@BSA-ICG nanoparticles as a magnetic resonance/photoacoustic dual-modal contrast agent for functional imaging of acute ischemic stroke</a>	Biochemical and Biophysical Research Communications	<a href="https://doi.org/10.1016/j.bbrc.2022.04.143">https://doi.org/10.1016/j.bbrc.2022.04.143</a>	2022	Guangrong, Song, Baorui, Zhang, Linyan, Song, Wenzhe, Li, Chuxuan, Liu, Leshan, Chen, Aihua, Liu	No
<a href="#">Heterogeneous fates of simultaneously-born neurons in the cortical ventricular zone</a>	Scientific Reports	<a href="https://doi.org/10.1038/s41598-022-09740-6">https://doi.org/10.1038/s41598-022-09740-6</a>	2022	Elia, Magrinelli, Natalia, Baumann, Robin Jan, Wagener, Christelle, Giangetas, Camilla, Bellone, Denis, Jabaudon, Esther, Klingler	No
<a href="#">Hyperbaric Oxygen Therapy Associated with Ventricular-Subcutaneous Shunt Promotes Neuroprotection in Young Hydrocephalic Rats</a>	Neuroscience		2022	Stephanya Covas, da Silva, Pâmella, da Silva Beggiora, Carlos Henrique Rocha, Catalão, Maurício, Dutra, Ivair, Matias Júnior, Marcelo Volpon, Santos, Hélio Rubens, Machado, Luiza, da Silva Lopes	No
<a href="#">Ultrasound-triggered microbubble destruction enhances the radiosensitivity of glioblastoma by inhibiting PGRMC1-mediated autophagy in vitro and in vivo</a>	Military Medical Research		2022	Ying, He, Xun Hu, Dong, Qiong, Zhu, Ya Li, Xu, Ming Liang, Chen, Zheng, Liu	No
<a href="#">Neural labeling and manipulation by neonatal intraventricular viral injection in mice</a>	STAR Protocols	<a href="https://doi.org/10.1016/j.xpro.2021.101081">https://doi.org/10.1016/j.xpro.2021.101081</a>	2022	Mengzhe, Wang, Thomas, Misgeld, Monika S., Brill	No
<a href="#">High-frequency ultrasound-guided intrathecal injections in a young mouse model: Targeting the central nervous system in drug delivery</a>	Journal of Neuroscience Methods	<a href="https://doi.org/10.1016/j.jneumeth.2022.109778">https://doi.org/10.1016/j.jneumeth.2022.109778</a>	2023	Sun Eui, Choi, Anum, Rahman, Tiffany, Ayoub, Owen, Botelho, Gail, Lee, Lisa M., Gazdzinski, Anne L., Wheeler, Rosanna, Weksberg, Sharon L., Guger, Russell J., Schachar, Shinya, Ito, Johann, Hitzler, Brian J., Nieman	No
<a href="#">Brain Delivery of Curcumin Through Low-Intensity Ultrasound-Induced Blood – Brain Barrier Opening via Lipid-PLGA Nanobubbles</a>	International journal of nanomedicine		2021	Yiran, Yan, Yan, Chen, Zhongxun, Liu, Feiyan, Cai, Wanting, Niu, Liming, Song	No
<a href="#">fractionated radiotherapy for high-grade gliomas</a>				Guido, Frosina, Vincenzo, Fontana, Daniela, Verzola, Alessandra, Rosa, Gabriele, Gaggero, Giacomo, Garibotto, Stefano, Vagge, Simona, Pigozzi, Antonio, Daga	No
<a href="#">Crim1 and Kelch-like 14 exert complementary dual-directional developmental control over segmentally specific corticospinal axon projection targeting</a>	Cell Reports	<a href="https://doi.org/10.1016/j.celrep.2021.109842">https://doi.org/10.1016/j.celrep.2021.109842</a>	2021	Vibhu, Sahni, Yasuhiro, Itoh, Sara J., Shnider, Jeffrey D., Macklis	No
<a href="#">High-frequency ultrasound-guided intrathecal injections in a young mouse model: Targeting the central nervous system in drug delivery</a>	Journal of Neuroscience Methods		2023	Sun Eui, Choi, Anum, Rahman, Tiffany, Ayoub, Owen, Botelho, Gail, Lee, Lisa M., Gazdzinski, Anne L., Wheeler, Rosanna, Weksberg, Sharon L., Guger, Russel J, Schachar, Shinya, Ito, Johann, Hitzler, Brian J, Nieman	No
<a href="#">Xenon Nanobubbles for the Image-Guided Preemptive Treatment of Acute Ischemic Stroke via Neuroprotection and Microcirculatory Restoration</a>	ACS Applied Materials and Interfaces		2021	Juan, Jin, Mei, Li, Jing, Li, Bin, Li, Lei, Duan, Fang, Yang, Ning, Gu	No
<a href="#">A novel neuroinflammation-responsive hydrogel based on mimicking naked mole rat brain microenvironment retards neurovascular dysfunction and cognitive decline in Alzheimer's disease</a>	Chemical Engineering Journal	<a href="https://doi.org/10.1016/j.cej.2021.133090">https://doi.org/10.1016/j.cej.2021.133090</a>	2021	Yufang, Zhao, Shupe, Qiao, Bosong, Zhang, Yue, Cao, Hui, Tian, Runze, Liu, Liuke, Sun, Cao, Wang, Liang, Li, Ruiqi, Wang, Yue, Chen, Xiaolu, Hou, Yongming, Li, Jin, Zhou, Liyi, Li, Weiming, Tian	No

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<a href="#">Early Detection and Reversal of Cell Apoptosis Induced by Focused Ultrasound-Mediated Blood-Brain Barrier Opening</a>	ACS Nano		2021	Jieqiong, Wang, Liting, Xie, Yu, Shi, Lijuan, Ao, Feiyan, Cai, Fei, Yan	No
<a href="#">Post-event application of neurotrophin protects against ischemic insult toward better outcomes in a murine model of subarachnoid hemorrhage</a>	Biomedicines		2021	Tatsushi, Mutoh, Shuzo, Yamamoto, Takahiro, Moriya	No
<a href="#">Experimental Myocardial Infarction Elicits Time-Dependent Patterns of Vascular Hypoxia in Peripheral Organs and in the Brain</a>	Frontiers in Cardiovascular Medicine	<a href="https://www.frontiersin.org/articles/10.3389/fcvm.2020.615507/full">https://www.frontiersin.org/articles/10.3389/fcvm.2020.615507/full</a>	2021	Hélène, David, Aurore, Ughetto, Philippe, Gaudard, Maëlle, Plawecki, Nitchawat, Paiyabhroma, Emma, Zub, Pascal, Colson, Sylvain, Richard, Nicola, Marchi, Pierre, Sicard	No
<a href="#">Brain-targeted hypoxia-inducible factor stabilization reduces neonatal hypoxic-ischemic brain injury</a>	Neurobiology of Disease	<a href="https://doi.org/10.1016/j.nbd.2020.105200">https://doi.org/10.1016/j.nbd.2020.105200</a>	2021	Chia-Yi, Kuan, Hong-Ru, Chen, Ning, Gao, Yi-Min, Kuo, Ching-Wen, Chen, Dianer, Yang, Melissa M., Kinkaid, Erding, Hu, Yu-Yo, Sun	No
<a href="#">Harnessing the Secretome of Mesenchymal Stromal Cells for Traumatic Spinal Cord Injury: Multi-cell Comparison and Assessment of In Vivo Efficacy</a>	Stem Cells and Development		2020	Reaz, Vawda, Anna, Badner, James, Hong, Mirriam, Mikhail, Rachel, Dragas, Kristiana, Xhima, Alejandro, Jose, Michael G, Fehlings	No
<a href="#">Ultrasound with microbubbles improves memory, ameliorates pathology and modulates hippocampal proteomic changes in a triple transgenic mouse model of Alzheimer's disease</a>	Theranostics	<a href="https://www.thno.org/v10p11794.htm">https://www.thno.org/v10p11794.htm</a>	2020	Yuanyuan, Shen, Lingchen, Hua, Chihkuang, Yeh, Liming, Shen, Ming, Ying, Zaijun, Zhang, Gongping, Liu, Shupeng, Li, Siping, Chen, Xin, Chen, Xifei, Yang	No
<a href="#">Engineering of SPECT/Photoacoustic Imaging/Antioxidative Stress Triple-Function Nanoprobe for Advanced Mesenchymal Stem Cell Therapy of Cerebral Ischemia</a>	ACS Applied Materials & Interfaces	<a href="https://pubs.acs.org/doi/10.1021/acsmi.0c10500">https://pubs.acs.org/doi/10.1021/acsmi.0c10500</a>	2020	Minghua, Yao, Xiaojing, Shi, Changjing, Zuo, Ming, Ma, Lu, Zhang, Hongbo, Zhang, Xin, Li, Guo-Yuan, Yang, Yaohui, Tang, Rong, Wu	No
<a href="#">In vivo photoacoustic guidance of stem cell injection and delivery for regenerative spinal cord therapies</a>	Neurophotonics		2020	Kelsey P., Kubelick, Stanislav Y., Emelianov	No
<a href="#">Vascular contributions to 16p11.2 deletion autism syndrome modeled in mice</a>	Nature Neuroscience	<a href="http://dx.doi.org/10.1038/s41593-020-0663-1">http://dx.doi.org/10.1038/s41593-020-0663-1</a>	2020	Julie, Ouellette, Xavier, Toussay, Cesar H., Comin, Luciano da F., Costa, Mirabelle, Ho, Maria, Lacalle-Aurioles, Moises, Freitas-Andrade, Qing Yan, Liu, Sonia, Leclerc, Youlian, Pan, Ziyang, Liu, Jean-François, Thibodeau, Melissa, Yin, Micael, Carrier, Cameron J., Morse, Peter Van, Dyken, Christopher J., Bergin, Sylvain, Baillet, Christopher R., Kennedy, Marie-Ève, Tremblay, Yannick D., Benoit, William L., Stanford, Dylan, Burger, Duncan J., Stewart, Baptiste, Lacoste	No
<a href="#">Real-Time Noninvasive Bioluminescence, Ultrasound and Photoacoustic Imaging in NFκB-RE-Luc Transgenic Mice Reveal Glia Maturation Factor-Mediated Immediate and Sustained Spatio-Temporal Activation of NFκB Signaling Post-Traumatic Brain Injury in a Gender-</a>	Cellular and Molecular Neurobiology	<a href="https://doi.org/10.1007/s10571-020-00937-9">https://doi.org/10.1007/s10571-020-00937-9</a>	2020	Sudhanshu P., Raikwar, Ramasamy, Thangavel, Mohammad Ejaz, Ahmed, Govindhasamy Pushpavathi, Selvakumar, Duraisamy, Kempuraj, Kristopher, Wu, Osaid, Khan, Kieran, Bazley, Bret, Bussinger, Klaudia, Kukulka, Smita, Zaheer, Shankar S., Iyer, Raghav, Govindarajan, Casey, Burton, Donald, James, Asgar, Zaheer	No
<a href="#">Cell Fate Potential of NG2 Progenitors</a>	Scientific Reports		2020	Rebeca, Sánchez-González, Ana, Bribián, Laura, López-Mascaraque	No

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<a href="#">Activatable Small-Molecule Photoacoustic Probes that Cross the Blood-Brain Barrier for Visualization of Copper(II) in Mice with Alzheimer's Disease</a>	Angewandte Chemie International Edition	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/anie.201904047">https://onlinelibrary.wiley.com/doi/abs/10.1002/anie.201904047</a>	2019	Shichao, Wang, Zonghai, Sheng, Zhenguo, Yang, Dehong, Hu, Xiaojing, Long, Gang, Feng, Yubin, Liu, Zhen, Yuan, Jingjing, Zhang, Hairong, Zheng, Xuanjun, Zhang	No
<a href="#">Assessing therapeutic response non-invasively in a neonatal rat model of acute inflammatory white matter injury using high-field MRI</a>	Brain, Behavior, and Immunity	<a href="https://doi.org/10.1016/j.bbi.2019.06.032">https://doi.org/10.1016/j.bbi.2019.06.032</a>	2019	Wyston C., Pierre, Luis, Akakpo, Irène, Londono, Philippe, Pouliot, Sylvain, Chemtob, Frédéric, Lesage, Gregory A., Lodygensky	No
<a href="#">Alteration of the brain methylation landscape following postnatal inflammatory injury in rat pups</a>	The FASEB Journal	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1096/fj.201901461R">https://onlinelibrary.wiley.com/doi/abs/10.1096/fj.201901461R</a>	2020	Wyston C., Pierre, Lisa-Marie, Legault, Irene, Londono, Serge, McGraw, Gregory A., Lodygensky	No
<a href="#">Nanostructural Control Enables Optimized Photoacoustic-Fluorescence-Magnetic Resonance Multimodal Imaging and Photothermal Therapy of Brain Tumor</a>	Advanced Functional Materials	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/adfm.201907077">https://onlinelibrary.wiley.com/doi/abs/10.1002/adfm.201907077</a>	2020	Yukun, Duan, Dehong, Hu, Bing, Guo, Qi, Shi, Min, Wu, Shidang, Xu, Kenry, Xin, Liu, Jianwen, Jiang, Zonghai, Sheng, Hairong, Zheng, Bin, Liu	No
<a href="#">Non-invasive ultrasound detection of cerebrovascular changes in a mouse model of TB1</a>	Journal of Neurotrauma	<a href="https://www.liebertpub.com/doi/10.1089/neu.2019.6872">https://www.liebertpub.com/doi/10.1089/neu.2019.6872</a>	2020	Joe, Steinman, Lindsay S., Cahill, Greg, Stortz, Christopher K., Macgowan, Bojana, Stefanovic, John G., Sled	No
<a href="#">Prussian blue nanocubes as a multimodal contrast agent for image-guided stem cell therapy of the spinal cord</a>	Photoacoustics	<a href="https://doi.org/10.1016/j.pacs.2020.100166">https://doi.org/10.1016/j.pacs.2020.100166</a>	2020	Kelsey P., Kubelick, Stanislav Y., Emelianov	No
<a href="#">In vivo photoacoustic imaging dynamically monitors the structural and functional changes of ischemic stroke at a very early stage</a>	Theranostics	<a href="http://www.thno.org/v10p0816.htm">http://www.thno.org/v10p0816.htm</a>	2020	Jing, Lv, Shi, Li, Jinde, Zhang, Fei, Duan, Zhiyuo, Wu, Ronghe, Chen, Maomao, Chen, Shanshan, Huang, Haosong, Ma, Liming, Nie	No
<a href="#">Solid stress in brain tumours causes neuronal loss and neurological dysfunction and can be reversed by lithium</a>	Nature Biomedical Engineering	<a href="http://dx.doi.org/10.1038/s41551-018-0334-7">http://dx.doi.org/10.1038/s41551-018-0334-7</a>	2019	Giorgio, Seano, Hadi T., Nia, Kyrre E., Emblem, Meenal, Datta, Jun, Ren, Shanmugarajan, Krishnan, Jonas, Kloepper, Marco C., Pinho, William W., Ho, Mitrajit, Ghosh, Vasileios, Askoxylakis, Gino B., Ferraro, Lars, Riedemann, Elizabeth R., Gerstner, Tracy T., Batchelor, Patrick Y., Wen, Nancy U., Lin, Alan J., Grodzinsky, Dai, Fukumura, Peigen, Huang, James W., Baish, Timothy P., Padera, Lance L., Munn, Rakesh K., Jain	No
<a href="#">Early Intravenous Infusion of Mesenchymal Stromal Cells Exerts a Tissue Source Age-Dependent Beneficial Effect on Neurovascular Integrity and Neurobehavioral Recovery After Traumatic Cervical Spinal Cord Injury</a>	STEM CELLS Translational Medicine	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/sctm.18-0192">https://onlinelibrary.wiley.com/doi/abs/10.1002/sctm.18-0192</a>	2019	Reaz, Vawda, Anna, Badner, James, Hong, Mirriam, Mikhail, Alam, Lakhani, Rachel, Dragas, Kristiana, Khima, Tanya, Barretto, Clifford L., Librach, Michael G., Fehlings	No
<a href="#">Endogenous Interleukin-10 Deficiency Exacerbates Vascular Pathology in Traumatic Cervical Spinal Cord Injury</a>	Journal of Neurotrauma	<a href="https://www.liebertpub.com/doi/10.1089/neu.2018.6081">https://www.liebertpub.com/doi/10.1089/neu.2018.6081</a>	2019	Anna, Badner, Pia M., Vidal, James, Hong, Justin, Hacker, Michael G., Fehlings	No
<a href="#">Photoacoustic imaging of gold nanorods in the brain delivered via microbubble-assisted focused ultrasound: a tool for in vivo molecular neuroimaging</a>	Laser Physics Letters	<a href="http://iopscience.iop.org/1612-202X/16/2/025603">http://iopscience.iop.org/1612-202X/16/2/025603</a>	2019	Robin K, Hartman, Kristina A, Hallam, Eleanor M, Donnelly, Stanislav Y, Emelianov	No
<a href="#">Sonodynamic Therapy on Intracranial Glioblastoma Xenografts Using Sinoporphyrin Sodium Delivered by Ultrasound with Microbubbles</a>	Annals of Biomedical Engineering	<a href="http://link.springer.com/10.1007/s10439-018-02141-9">http://link.springer.com/10.1007/s10439-018-02141-9</a>	2018	Zhaoke, Pi, Yongpeng, Huang, Yuanyuan, Shen, Xiaojun, Zeng, Yaxin, Hu, Tie, Chen, Chenyang, Li, Hao, Yu, Siping, Chen, Xin, Chen	No
<a href="#">Central action of rapamycin on early ischemic injury and related cardiac depression following experimental subarachnoid hemorrhage</a>	Brain Research Bulletin	<a href="https://doi.org/10.1016/j.brainresbull.2018.11.015">https://doi.org/10.1016/j.brainresbull.2018.11.015</a>	2019	Shuzo, Yamamoto, Tatsushi, Mutoh, Kazumasa, Sasaki, Tomoko, Mutoh, Yasuyuki, Taki	No

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<a href="#">Persistent reduction in sialylation of cerebral glycoproteins following postnatal inflammatory exposure</a>	Journal of Neuroinflammation	<a href="https://neuroinflammation.biomedcentral.com/articles/10.1186/s12974-018-1367-2">https://neuroinflammation.biomedcentral.com/articles/10.1186/s12974-018-1367-2</a>	2018	Ekaterina P, Demina, Wiston C, Pierre, Annie L A, Nguyen, Irene, Londono, Bela, Reiz, Chunxia, Zou, Radhika, Chakraborty, Christopher W, Cairo, Alexey V, Pshezhetsky, Gregory A, Lodygensky	No
<a href="#">Platelet bio-nanobubbles as microvascular recanalization nanoformulation for acute ischemic stroke lesion theranostics</a>	Theranostics	<a href="http://www.thno.org/v08p4870.htm">http://www.thno.org/v08p4870.htm</a>	2018	Mingxi, Li, Yang, Liu, Jinpeng, Chen, Taotao, Liu, Zhuxiao, Gu, Jianqiong, Zhang, Xiaochun, Gu, Gaojun, Teng, Fang, Yang, Ning, Gu	No
<a href="#">Touch and tactile neuropathic pain sensitivity are set by corticospinal projections</a>	Nature	<a href="http://www.nature.com/articles/s41586-018-0515-2">http://www.nature.com/articles/s41586-018-0515-2</a>	2018	Yuanyuan, Liu, Alban, Latremoliere, Xinjian, Li, Zicong, Zhang, Mengying, Chen, Xuhua, Wang, Chao, Fang, Junjie, Zhu, Chloe, Alexandre, Zhongyang, Gao, Bo, Chen, Xin, Ding, Jin-Yong, Zhou, Yiming, Zhang, Chinfei, Chen, Kuan Hong, Wang, Clifford J., Woolf, Zhigang, He	No
<a href="#">Laser-activated perfluorocarbon nanodroplets: a new tool for blood brain barrier opening</a>	Biomedical Optics Express	<a href="https://www.osapublishing.org/abstract.cfm?URI=boe-9-9-4527">https://www.osapublishing.org/abstract.cfm?URI=boe-9-9-4527</a>	2018	Kristina A., Hallam, Eleanor M., Donnelly, Andrei B., Karpiouk, Robin K., Hartman, Stanislav Y., Emelianov	No
<a href="#">Preclinical Efficacy of Ado-trastuzumab Emtansine in the Brain Microenvironment</a>	JNCI: Journal of the National Cancer Institute	<a href="https://academic.oup.com/jnci/article-lookup/doi/10.1093/jnci/djv313">https://academic.oup.com/jnci/article-lookup/doi/10.1093/jnci/djv313</a>	2016	Vasileios, Askoxylakis, Gino B., Ferraro, David P., Kodack, Mark, Badeaux, Ram C., Shankaraiah, Giorgio, Seano, Jonas, Kloepper, Trupti, Vardam, John D., Martin, Kamila, Naxerova, Divya, Bezwada, Xiaolong, Qi, Martin K., Selig, Elena, Brachtel, Dan G., Duda, Peigen, Huang, Dai, Fukumura, Jeffrey A., Engelman, Rakesh K., Jain	No
<a href="#">A cerebellar window for intravital imaging of normal and disease states in mice</a>	Nature Protocols	<a href="http://www.nature.com/doifinder/10.1038/nprot.2017.101">http://www.nature.com/doifinder/10.1038/nprot.2017.101</a>	2017	Vasileios, Askoxylakis, Mark, Badeaux, Sylvie, Roberge, Ana, Batista, Ned, Kirkpatrick, Matija, Snuderl, Zohreh, Amoozgar, Giorgio, Seano, Gino B, Ferraro, Sampurna, Chatterjee, Lei, Xu, Dai, Fukumura, Dan G, Duda, Rakesh K, Jain	No
<a href="#">MicroRNA-378 enhances radiation response in ectopic and orthotopic implantation models of glioblastoma</a>	Journal of Neuro-Oncology	<a href="http://link.springer.com/10.1007/s11060-017-2646-y">http://link.springer.com/10.1007/s11060-017-2646-y</a>	2018	Wende, Li, Yujiao, Liu, Weining, Yang, Xiaoxing, Han, Sen, Li, Hao, Liu, Leo E., Gerweck, Dai, Fukumura, Jay S., Loeffler, Burton B., Yang, Rakesh K., Jain, Peigen, Huang	No
<a href="#">Splenic involvement in umbilical cord matrix-derived mesenchymal stromal cell-mediated effects following traumatic spinal cord injury</a>	Journal of Neuroinflammation	<a href="https://neuroinflammation.biomedcentral.com/articles/10.1186/s12974-018-1243-0">https://neuroinflammation.biomedcentral.com/articles/10.1186/s12974-018-1243-0</a>	2018	Anna, Badner, Justin, Hacker, James, Hong, Mirriam, Mikhail, Reaz, Vawda, Michael G, Fehlings	No
<a href="#">Immune response mediates cardiac dysfunction after traumatic brain injury</a>	Journal of Neurotrauma	<a href="http://www.liebertpub.com/doi/10.1089/neu.2018.5766">http://www.liebertpub.com/doi/10.1089/neu.2018.5766</a>	2018	Qiang, Zhao, Tao, Yan, Linlin, Li, Michael, Chopp, Poornima, Venkat, Yu, Qian, Ran, Li, Ruixia, Wu, Wei, Li, Mei, Lu, Talan, Zhang, Jieli, Chen	No
<a href="#">Quantifying solid stress and elastic energy from excised or in situ tumors</a>	Nature Protocols	<a href="http://www.nature.com/doifinder/10.1038/nprot.2018.020">http://www.nature.com/doifinder/10.1038/nprot.2018.020</a>	2018	Hadi T, Nia, Meenal, Datta, Giorgio, Seano, Peigen, Huang, Lance L, Munn, Rakesh K, Jain	No
<a href="#">Highly Crystalline Multicolor Carbon Nanodots for Dual-Modal Imaging-Guided Photothermal Therapy of Glioma</a>	ACS Applied Materials and Interfaces		2018	Min, Qian, Yilin, Du, Shanshan, Wang, Chengyi, Li, Huiling, Jiang, Wei, Shi, Jian, Chen, Yi, Wang, Ernst, Wagner, Rongqin, Huang	No

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<a href="#">Abstract 3109: Ultrasound-mediated delivery and distribution of polymeric nanoparticles in the normal brain parenchyma and melanoma metastases</a>	Cancer Chemistry	<a href="http://cancerres.aacrjournals.org/content/77/13_Supplement/3109%0Ahttp://ovidsp...">http://cancerres.aacrjournals.org/content/77/13_Supplement/3109%0Ahttp://ovidsp...</a>	2017	Habib, Baghirov, Sofie, Snipstad, Einar, Sulheim, Sigrid, Berg, Rune, Hansen, Frits, Thorsen, Yrr, March, Catharina de Lange, Davies, Andreas, Åslund	No
<a href="#">Caveolin1 Identifies a Specific Subpopulation of Cerebral Cortex Callosal Projection Neurons (CPN) Including Dual Projecting Cortical Callosal/Frontal Projection Neurons (CPN/FPN)</a>	Eneuro	<a href="http://eneuro.sfn.org/lookup/doi/10.1523/ENEURO.0234-17.2017">http://eneuro.sfn.org/lookup/doi/10.1523/ENEURO.0234-17.2017</a>	2018	Jessica L., MacDonald, Ryann M., Fame, Eva M., Gillis-Buck, Jeffrey D., Macklis	No
<a href="#">Magnetic resonance and photoacoustic imaging of brain tumor mediated by mesenchymal stem cell labeled with multifunctional nanoparticle introduced via carotid artery injection</a>	Nanotechnology	<a href="http://stacks.iop.org/0957-4484/29/i=16/a=165101?key=crossref.f2a10bd65d76d36a1...">http://stacks.iop.org/0957-4484/29/i=16/a=165101?key=crossref.f2a10bd65d76d36a1...</a>	2018	Yang, Qiao, Joy, Gumin, Christopher J, MacLellan, Feng, Gao, Richard, Bouchard, Frederick F, Lang, R Jason, Stafford, Marites P, Melancon	No
<a href="#">Optical clearing and fluorescence deep-tissue imaging for 3D quantitative analysis of the brain tumor microenvironment</a>	Angiogenesis	<a href="http://link.springer.com/10.1007/s10456-017-9565-6">http://link.springer.com/10.1007/s10456-017-9565-6</a>	2017	Tonny, Lagerweij, Sophie A, Dusoswa, Adrian, Negrean, Esther M. L., Hendriks, Helga E., de Vries, Jeroen, Kole, Juan J., Garcia-Vallejo, Huibert D., Mansvelter, W. Peter, Vandertop, David P., Noske, Bakhos A., Tannous, René J. P., Musters, Yvette, van Kooyk, Pieter, Wesseling, Xi Wen, Zhao, Thomas, Wurdinger	No
<a href="#">MicroRNA-378 enhances radiation response in ectopic and orthotopic implantation models of glioblastoma</a>	Journal of Neuro-Oncology	<a href="http://dx.doi.org/10.1007/s11060-017-2646-y">http://dx.doi.org/10.1007/s11060-017-2646-y</a>	2017	Wende, Li, Yujiao, Liu, Weining, Yang, Xiaoxing, Han, Sen, Li, Hao, Liu, Leo E., Gerweck, Dai, Fukumura, Jay S., Loeffler, Burton B., Yang, Rakesh K, Jain, Peigen, Huang	No
<a href="#">Cerebellar Exposure to Cell-Free Hemoglobin Following Preterm Intraventricular Hemorrhage: Causal in Cerebellar Damage?</a>	Translational Stroke Research		2017	Alex Adusei, Agyemang, Kristbjörg, Sveinsdóttir, Suvi, Vallius, Snjolaug, Sveinsdóttir, Matteo, Bruschetti, Olga, Romantsik, Ann, Hellström, Lois E.H., Smith, Lennart, Ohlsson, Bo, Holmqvist, Magnus, Gram, David, Ley	No
<a href="#">User-independent diffusion tensor imaging analysis pipelines in a rat model presenting ventriculomegaly: A comparison study</a>	NMR in Biomedicine		2017	Luis, Akakpo, Wyston C, Pierre, Chen, Jin, Irène, Londono, Philippe, Pouliot, Gregory A, Lodygensky	No
<a href="#">Photoacoustic Imaging of Human Mesenchymal Stem Cells Labeled with Prussian Blue-Poly(L-lysine) Nanocomplexes</a>	ACS Nano	<a href="http://pubs.acs.org/doi/abs/10.1021/acsnano.7b03519">http://pubs.acs.org/doi/abs/10.1021/acsnano.7b03519</a>	2017	Taeho, Kim, Jeanne E, Lemaster, Fang, Chen, Jin, Li, Jesse V, Jokerst	No
<a href="#">The brain microenvironment mediates resistance in luminal breast cancer to PI3K inhibition through HER3 activation</a>	Science Translational Medicine		2017	David P, Kodack, Vasileios, Askoxylakis, Gino B, Ferraro, Qing, Sheng, Mark, Badeaux, Shom, Goel, Xiaolong, Qi, Ram, Shankaraiah, Z Alexander, Cao, Rakesh R, Ramjiawan, Divya, Bezwada, Bhushankumar, Patel, Yongchul, Song, Carlotta, Costa, Kamila, Naxerova, Christina S.F., Wong, Jonas, Kloepper, Rita, Das, Angela, Tam, Jantima, Tanboon, Dan G, Duda, Ryan, Miller, Marni B, Siegel, Carey K, Anders, Melinda, Sanders, Monica V, Estrada, Robert, Schlege, Carlos L, Arteaga, Elena, Brachtel, Alan, Huang, Dai, Fukumura, Jeffrey A, Engelman, Rakesh K, Jain	No
<a href="#">Astrocyte heme oxygenase-1 reduces mortality and improves outcome after collagenase-induced intracerebral hemorrhage</a>	Neurobiology of Disease	<a href="http://dx.doi.org/10.1016/j.nbd.2017.03.008">http://dx.doi.org/10.1016/j.nbd.2017.03.008</a>	2017	Jing, Chen-Roetling, Pramod, Kamalpathy, Yang, Cao, Wei, Song, Hyman M., Schipper, Raymond F., Regan	No

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<a href="#">High-Frequency Ultrasound in the Evaluation of Cerebral Intraventricular Haemorrhage in Preterm Rabbit Pups</a>	Ultrasound in Medicine and Biology		2012	Snjolaug, Sveinsdottir, Magnus, Cinthio, David, Ley	No
<a href="#">High-Resolution Ultrasound in Research of Mouse Orthotopic Glioma and Ultrasound-Guided Cell Implant</a>	Advances in Molecular Imaging	<a href="http://www.scrip.org/journal/doi.aspx?DOI=10.4236/ami.2011.12004">http://www.scrip.org/journal/doi.aspx?DOI=10.4236/ami.2011.12004</a>	2011	Byung Kook, Kwak, Jean-Francois H., Geschwind, Pramod P., Rao, Shinichi, Ota, Romaric, Loffroy, MingDe, Lin, Shanmugasundaram, Ganapathy-Kanniappan, Rani, Kunjithapatham, Manon, Buijs, Labiq H., Syed, Eleni, Liapi, Vadappuram P., Chacko, Mustafa, Vali	No
<a href="#">SPiO-conjugated, doxorubicin-loaded microbubbles for concurrent MRI and focused-ultrasound enhanced brain-tumor drug delivery</a>	Biomaterials	<a href="http://dx.doi.org/10.1016/j.biomaterials.2013.01.099">http://dx.doi.org/10.1016/j.biomaterials.2013.01.099</a>	2013	Ching-Hsiang, Fan, Chien-Yu, Ting, Han-Jung, Lin, Chung-Hsin, Wang, Hao-Li, Liu, Tzu-Chen, Yen, Chih-Kuang, Yeh	No
<a href="#">Ganglionic GFAP+ glial Gq-GPCR signaling enhances heart functions in vivo</a>	JCI Insight	<a href="https://insight.jci.org/articles/view/90565">https://insight.jci.org/articles/view/90565</a>	2017	Alison Xiaoqiao, Xie, Jakovin J., Lee, Ken D., McCarthy	No
<a href="#">Single-Cell Analysis of SMN Reveals Its Broader Role in Neuromuscular Disease</a>	Cell Reports	<a href="http://linkinghub.elsevier.com/retrieve/pii/S2211124717300724">http://linkinghub.elsevier.com/retrieve/pii/S2211124717300724</a>	2017	Natalia, Rodriguez-Muela, Nadia K., Litterman, Erika M., Norabuena, Jesse L., Mull, Maria José, Galazo, Chicheng, Sun, Shi-Yan, Ng, Nina R., Makhortova, Andrew, White, Maureen M., Lynes, Wendy K., Chung, Lance S., Davidow, Jeffrey D., Macklis, Lee L., Rubin	No
<a href="#">Acute cardiac support with intravenous mirinone promotes recovery from early brain injury in a murine model of severe subarachnoid hemorrhage</a>	Clinical and Experimental Pharmacology and Physiology	<a href="http://doi.wiley.com/10.1111/1440-1681.12718">http://doi.wiley.com/10.1111/1440-1681.12718</a>	2016	Tomoko, Mutoh, Tatsushi, Mutoh, Kazuhiro, Nakamura, Yukiko, Yamamoto, Yoshiharu, Tsuru, Hirokazu, Tsubone, Tatsuya, Ishikawa, Yasuyuki, Taki	No
<a href="#">Stellate cells drive maturation of the entorhinal-hippocampal circuit</a>	Science	<a href="http://www.sciencemag.org/lookup/doi/10.1126/science.aai8178">http://www.sciencemag.org/lookup/doi/10.1126/science.aai8178</a>	2017	Flavio, Donato, R. Irene, Jacobsen, May-Britt, Moser, Edvard I., Moser	No
<a href="#">Challenging cardiac function post-spinal cord injury with dobutamine</a>	Autonomic Neuroscience	<a href="http://linkinghub.elsevier.com/retrieve/pii/S1566070216302867">http://linkinghub.elsevier.com/retrieve/pii/S1566070216302867</a>	2016	Kathryn M., DeVeau, Emily K., Martin, Nicholas T., King, Alice, Shum-Siu, Bradley B., Keller, Christopher R., West, David S.K., Magnuson	No
<a href="#">Use of high-frequency ultrasound to study the prenatal development of cranial neural tube defects and hydrocephalus in Glcd -deficient mice</a>	Prenatal Diagnosis	<a href="http://www.ncbi.nlm.nih.gov/pubmed/28056489%0Ahttp://doi.wiley.com/10.1002/pd.5...">http://www.ncbi.nlm.nih.gov/pubmed/28056489%0Ahttp://doi.wiley.com/10.1002/pd.5...</a>	2017	Maria C., Autuori, Yun J., Pai, Daniel J., Stuckey, Dawn, Savery, Anna M., Marconi, Valentina, Massa, Mark F., Lythgoe, Andrew J., Copp, Anna L., David, Nicholas D.E., Greene	No
<a href="#">Use of high-frequency ultrasound to study the prenatal development of cranial neural tube defects and hydrocephalus in Glcd -deficient mice</a>	Prenatal Diagnosis	<a href="http://www.ncbi.nlm.nih.gov/pubmed/28056489%0Ahttp://doi.wiley.com/10.1002/pd.5...">http://www.ncbi.nlm.nih.gov/pubmed/28056489%0Ahttp://doi.wiley.com/10.1002/pd.5...</a>	2017	Maria C., Autuori, Yun J., Pai, Daniel J., Stuckey, Dawn, Savery, Anna M., Marconi, Valentina, Massa, Mark F., Lythgoe, Andrew J., Copp, Anna L., David, Nicholas D.E., Greene	No
<a href="#">Fetal Alcohol Exposure Alters Blood Flow and Neurological Responses to Transient Cerebral Ischemia in Adult Mice</a>	Alcoholism: Clinical and Experimental Research	<a href="http://doi.wiley.com/10.1111/acer.13277">http://doi.wiley.com/10.1111/acer.13277</a>	2017	Shameena, Bake, Rachel, Gardner, Joseph D., Tingling, Rajesh C., Miranda, Farida, Sohrabji	No
<a href="#">Exploring Targeted Contrast-Enhanced Ultrasound to Detect Neural Inflammation: An Example of Standard Nomenclature</a>	Journal of Diagnostic Medical Sonography	<a href="http://jdm.sagepub.com/cgi/doi/10.1177/8756479316665865">http://jdm.sagepub.com/cgi/doi/10.1177/8756479316665865</a>	2016	K. R., Volz, K. D., Evans, C. D., Kanner, D. M., Basso	No
<a href="#">Myocardial Ischemia/Reperfusion impairs neurogenesis and hippocampal-dependent learning and memory</a>	Brain, Behavior, and Immunity	<a href="http://dx.doi.org/10.1016/j.bbi.2016.09.001">http://dx.doi.org/10.1016/j.bbi.2016.09.001</a>	2016	Kirsten S, Evonuk, Sumanth D, Prabhu, Martin E, Young, Tara M, DeSilva	No
<a href="#">Prophylactic Edaravone Prevents Transient Hypoxic-Ischemic Brain Injury</a>	Stroke	<a href="http://stroke.ahajournals.org/lookup/doi/10.1161/STROKEAHA.115.009162">http://stroke.ahajournals.org/lookup/doi/10.1161/STROKEAHA.115.009162</a>	2015	Yu-yo, Sun, Yikun, Li, Bushra, Wali, Yuancheng, Li, Jolly, Lee, Andrew, Heinmiller, Koji, Abe, Donald G., Stein, Hui, Mao, Iqbal, Sayeed, Chia-Yi, Kuan	No

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<a href="#">A Spinal Cord Window Chamber Model for in Vivo Longitudinal Multimodal Optical and Acoustic Imaging in a Murine Model</a>	PLoS ONE	<a href="http://dx.plos.org/10.1371/journal.pone.0058081">http://dx.plos.org/10.1371/journal.pone.0058081</a>	2013	Sarah a., Figley, Yonghong, Chen, Azusa, Maeda, Leigh, Conroy, Jesse D., McMullen, Jason I., Silver, Shawn, Stapleton, Alex, Vitkin, Patricia, Lindsay, Kelly, Burrell, Gelareh, Zadeh, Michael G., Fehlings, Ralph S., DaCosta	No
<a href="#">Imaging of an Inflammatory Injury in the Newborn Rat Brain with Photoacoustic Tomography</a>	PLoS ONE	<a href="http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3873292&amp;tool=pmcentre...">http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3873292&amp;tool=pmcentre...</a>	2013	Edgar, Guevara, Romain, Berti, Irène, Londono, Ningshi, Xie, Pierre, Bellec, Frédéric, Lesage, G a, Lodygensky	No
<a href="#">ROR Beta induces barrel-like neuronal clusters in the developing neocortex</a>	Cerebral Cortex		2012	Denis, Jabaudon, Sara, J. Shnider, David, J. Tischfield, Maria, J. Galazo, Jeffrey D., MacKlis	No
<a href="#">Functional and anatomical evidence of cerebral tissue hypoxia in young sickle cell anemia mice</a>	Journal of Cerebral Blood Flow & Metabolism	<a href="http://jcb.sagepub.com/lookup/doi/10.1177/0271678X16649194">http://jcb.sagepub.com/lookup/doi/10.1177/0271678X16649194</a>	2016	L. S., Cahill, L. M., Gazdzinski, A. K., Tsui, Y.-Q., Zhou, S., Portnoy, E., Liu, C. D., Mazer, G. M., Hare, A., Kassner, J. G., Sled	No
<a href="#">A New Acute Impact-Compression Lumbar Spinal Cord Injury Model in the Rodent</a>	Journal of Neurotrauma	<a href="http://online.liebertpub.com/doi/10.1089/neu.2015.3937">http://online.liebertpub.com/doi/10.1089/neu.2015.3937</a>	2015	Gray, Moonen, Kajana, Satkunendrarajah, Jared T., Wilcox, Anna, Badner, Andrea, Mothe, Warren, Foltz, Michael G., Fehlings, Charles H., Tator	No
<a href="#">Quantitative correlational study of microbubble-enhanced ultrasound imaging and magnetic resonance imaging of glioma and early response to radiotherapy in a rat model</a>	Medical Physics	<a href="http://scitation.aip.org/content/aapm/journal/medphys/42/8/10.1118/1.4926550">http://scitation.aip.org/content/aapm/journal/medphys/42/8/10.1118/1.4926550</a>	2015	Chen, Yang, Dong-Hoon, Lee, Antonella, Mangraviti, Lin, Su, Kai, Zhang, Yin, Zhang, Bin, Zhang, Wenxiao, Li, Betty, Tyler, John, Wong, Ken Kang-Hsin, Wang, Esteban, Velarde, Jinyuan, Zhou, Kai, Ding	No
<a href="#">Theranostic USPIO-Loaded Microbubbles for Mediating and Monitoring Blood-Brain Barrier Permeation.</a>	Advanced functional materials	<a href="http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=4340520&amp;tool=pmcentre...">http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=4340520&amp;tool=pmcentre...</a>	2015	Twan, Lammers, Patrick, Koczera, Stanley, Fokong, Felix, Gremse, Josef, Ehling, Michael, Vogt, Andrij, Pich, Gert, Storm, Marc, van Zandvoort, Fabian, Kiessling	No
<a href="#">In vivo imaging of cerebral hemodynamics using high-frequency micro-ultrasound.</a>	Cold Spring Harbor protocols	<a href="http://www.ncbi.nlm.nih.gov/pubmed/20810642">http://www.ncbi.nlm.nih.gov/pubmed/20810642</a>	2010	John, Sun, Liis, Lindvere, Martijn E, van Raaij, Adrienne, Dorr, Bojana, Stefanovic, F Stuart, Foster	No
<a href="#">Functional micro-ultrasound imaging of rodent cerebral hemodynamics.</a>	NeuroImage	<a href="http://www.ncbi.nlm.nih.gov/pubmed/21704715">http://www.ncbi.nlm.nih.gov/pubmed/21704715</a>	2011	Martijn E, van Raaij, Liis, Lindvere, Adrienne, Dorr, Jianfei, He, Bhupinder, Sahota, F Stuart, Foster, Bojana, Stefanovic	No
<a href="#">Mast Cell Targeting Hampers Prostate Adenocarcinoma Development but Promotes the Occurrence of Highly Malignant Neuroendocrine Cancers</a>	Cancer Research	<a href="http://www.ncbi.nlm.nih.gov/pubmed/21896641">http://www.ncbi.nlm.nih.gov/pubmed/21896641</a>	2011	Paola, Pittoni, Claudio, Tripodo, Silvia, Piconese, Giorgio, Mauri, Mariella, Parenza, Alice, Rigoni, Sabina, Sangaletti, Mario P, Colombo	No
<a href="#">Lmo4 and Clim1 Progressively Delineate Cortical Projection Neuron Subtypes during Development</a>	Cerebral Cortex	<a href="http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=2693532&amp;tool=pmcentre...">http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=2693532&amp;tool=pmcentre...</a>	2009	Eiman, Azim, Sara J, Shnider, Gustav Y, Cederquist, U Shivraj, Sohur, Jeffrey D, Macklis	No
<a href="#">Origin and Molecular Specification of Globus Pallidus Neurons</a>	Journal of Neuroscience	<a href="http://www.ncbi.nlm.nih.gov/pubmed/20181580">http://www.ncbi.nlm.nih.gov/pubmed/20181580</a>	2010	S., Nobrega-Pereira, Diego, Gelman, Giorgia, Bartolini, Ramón, Pla, Alessandra, Pierani, O., Marin	No
<a href="#">Area-specific temporal control of corticospinal motor neuron differentiation by COUP-TFI</a>	Proceedings of the National Academy of Sciences	<a href="http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=2840488&amp;tool=pmcentre...">http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=2840488&amp;tool=pmcentre...</a>	2010	Giulio Srubek, Tomassy, Elvira, De Leonibus, Denis, Jabaudon, Simona, Lodato, Christian, Alfano, Andrea, Mele, Jeffrey D, Macklis, Michèle, Studer	No
<a href="#">Lmo4 Establishes Rostral Motor Cortex Projection Neuron Subtype Diversity</a>	Journal of Neuroscience	<a href="http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3698850&amp;tool=pmcentre...">http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3698850&amp;tool=pmcentre...</a>	2013	Gustav Y, Cederquist, Eiman, Azim, Sara J, Shnider, Hari, Padmanabhan, Jeffrey D, Macklis	No

Title	Journal	Link	Publication date	References	Top Paper
<a href="#">Preclinical Models for Neuroblastoma: Establishing a Baseline for Treatment</a>	PLoS ONE	<a href="http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3084749&amp;tool=pmcentre...">http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3084749&amp;tool=pmcentre...</a>	2011	Tal, Teitz, Jennifer J, Stanke, Sara, Federico, Cori L, Bradley, Rachel, Brennan, Jiakun, Zhang, Melissa D, Johnson, Jan, Sedlaciak, Madoka, Inoue, Ziwei M, Zhang, Sharon, Frase, Jerold E, Rehg, Claudia M, Hillenbrand, David, Finkelstein, Christopher, Calabrese, Michael a, Dyer, Jill M, Lahti	No
<a href="#">Selective Permeabilization of the Blood-Brain Barrier at Sites of Metastasis</a>	JNCI Journal of the National Cancer Institute	<a href="http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3818170&amp;tool=pmcentre...">http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3818170&amp;tool=pmcentre...</a>	2013	John J, Connell, Grégoire, Chatain, Bart, Cornelissen, Katherine a, Vallis, Alastair, Hamilton, Len, Seymour, Daniel C, Anthony, Nicola R, Sibson	No
<a href="#">Peripheral nervous system progenitors can be reprogrammed to produce myelinating oligodendrocytes and repair brain lesions.</a>	The Journal of neuroscience : the official journal of the Society for Neuroscience	<a href="http://www.ncbi.nlm.nih.gov/pubmed/21525278">http://www.ncbi.nlm.nih.gov/pubmed/21525278</a>	2011	Ellen, Binder, Marion, Rukavina, Hessameh, Hassani, Marlen, Weber, Hiroko, Nakatani, Tobias, Reiff, Carlos, Parras, Verdon, Taylor, Hermann, Rohrer	No
<a href="#">Neural progenitors of the postnatal and adult mouse forebrain retain the ability to self-replicate, form neurospheres, and undergo multipotent differentiation in vivo.</a>	Stem cells (Dayton, Ohio)	<a href="http://www.ncbi.nlm.nih.gov/pubmed/19096037">http://www.ncbi.nlm.nih.gov/pubmed/19096037</a>	2009	Bettina, Neumeister, Antje, Grabosch, Onur, Basak, Rolf, Kemler, Verdon, Taylor	No