

**RAT DRG**

<p>Evaluating the Efficacy of a Thermo-responsive Hydrogel for Delivering Anti-Collagen Antibodies to Reduce Post-traumatic Scarring in Orthopedic Tissues</p>	<p>Andrzej Steplewski, Jolanta Fertala, Lan Cheng, Gels 2023. 9, 971.  <a href="https://doi.org/10.3390/gels9120971">https://doi.org/10.3390/gels9120971</a></p>
<p>The acid-sensing nociceptor TRPV1 controls breast cancer progression in bone via regulating HGF secretion from sensory neurons</p>	<p>Tatsuo Okui, Masahiro Hiasa, Kenji Hata, et al. 2023 Research Square  <a href="https://doi.org/10.21203/rs.3.rs-3105966/v1">https://doi.org/10.21203/rs.3.rs-3105966/v1</a></p>
<p><u>Graphene on SiC: platform for spinal cord repair studies</u></p>	<p>Silicon Carbide Technology for Advanced Human Healthcare Applications 2022, Pages 65-97</p>
<p><u>A BAFF ligand-based CAR-T cell targeting three receptors and multiple B cell cancers</u></p>	<p>Nat Commun 2022 Jan 11;13(1):217. doi: 10.1038/s41467-021-27853w</p>
<p><u>Inhibition of dual leucine zipper kinase prevents chemotherapy-induced peripheral neuropathy and cognitive impairments</u></p>	<p>Pain . 2021 Oct 1;162(10):2599-2612. doi: 10.1097/j.pain.00000000000007756</p>
<p><u>Sec-O-glucosylhamaudol mitigates inflammatory processes and autophagy via p38/JNK MAPK signaling in a rat neuropathic pain model</u></p>	<p>Korean J Pain . 2021 Oct 1;34(4):405-416. doi: 10.3344/kjp.2021.34.4.405</p>
<p><u>Compounded topographical and physicochemical cueing by micro-engineered chitosan substrates on rat dorsal root ganglion neurons and human mesenchymal stem cells</u></p>	<p>Soft Matter . 2021 Jun 2;17(21):5284-5302. doi: 10.1039/d0sm02170a</p>
<p><u>The HMGB1/RAGE axis induces bone pain associated with colonization of 4T1 mouse breast cancer in bone</u></p>	<p>J Bone Oncol . 2020 Oct 28;26:100330. doi: 10.1016/j.ibo.2020.100330. e</p>
<p><u>High mobility group box 1 induces bone pain associated with bone invasion in a mouse model of advanced head and neck cancer</u></p>	<p>Oncol Rep . 2020 Dec;44(6):2547-2558. doi: 10.2807/1528-7789</p>
<p><u>New natural agonists of the transient receptor potential Ankyrin 1 (TRPA1) channel</u></p>	<p>Sci Rep. 2020; 10: 11238.</p>

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- Central IRAK-4 kinase inhibition for the treatment of pain following nerve injury in rats Brain Behav Immun . 2020 Aug;88:781-790.
- Enolate-forming compounds provide protection from platinum neurotoxicity. Chem Biol Interact. 2020 Feb 1;317:108961. doi: [10.1016/j.cbi.2020.108961](https://doi.org/10.1016/j.cbi.2020.108961)
- HIV-1 gp120 Promotes Lysosomal Exocytosis in Human Schwann Cells Front Cell Neurosci. 2019 Jul 17;13:329. doi: [10.3389/fncel.2019.00329](https://doi.org/10.3389/fncel.2019.00329)
- Temporal and partial inhibition of GLI1 in neural stem cells (NSCs) results in the early maturation of NSC derived oligodendrocytes in vitro Stem Cell Res Ther. 2019 Aug 27;10(1):272.
- Development of glial restricted human neural stem cells for oligodendrocyte differentiation in vitro and in vivo Sci Rep. 2019; 9: 9013
- Conversion of mouse fibroblasts into oligodendrocyte progenitor-like cells through a chemical approach J Mol Cell Biol. 2019 Jan 10. doi: [10.1093/jmcb/mjy088](https://doi.org/10.1093/jmcb/mjy088).
- Pharmacological characterization of potent and selective NaV1.7 inhibitors engineered from Chilobrachys jingzhao tarantula venom peptide JzTx-V PLoS One. 2018 May 3;13(5):e0196791. doi: [10.1371/journal.pone.0196791](https://doi.org/10.1371/journal.pone.0196791)  
1
- Comparison of the Rat and Human Dorsal Root Ganglion Proteome Sci Rep. 2018 Sep 7;8(1):13469. doi: [10.1038/s41598-018-31189-1](https://doi.org/10.1038/s41598-018-31189-1)
- Dimethyl fumarate ameliorates chemotherapy agent-induced neurotoxicity in vitro. J Pharmacol Sci. 2018 Jun;137(2):202-211. doi: [10.1016/j.jphs.2018.06.008](https://doi.org/10.1016/j.jphs.2018.06.008). Epub 2018 Jun 20.
- Transcriptomic RNAseq drug screen in cerebrocortical cultures: towards novel neurogenetic disease therapies Hum Mol Genet. 2018 Jun 13. doi: [10.1093/hmg/ddy221](https://doi.org/10.1093/hmg/ddy221).
- Cannabinoid WIN-55,212-2 mesylate inhibits tumor necrosis factor- $\alpha$ -induced expression of nitric oxide synthase in dorsal root ganglion neurons Int J Mol Med. 2018 Aug;42(2):919-925. doi: [10.3892/ijmm.2018.3687](https://doi.org/10.3892/ijmm.2018.3687)

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- 
- RNA interference-based functional knockdown of the voltage-gated potassium channel Kv7.2 in dorsal root ganglion neurons after in vitro and in vivo gene transfer by adeno-associated virus vectors [Mol Pain. 2018; 14:1744806917749669](#)
- Peripheral neuron survival and outgrowth on graphene [arXiv:1706.02876v1 \[physics.bio-ph\]](#)
- HDAC6 inhibition effectively reverses chemotherapy-induced peripheral neuropathy [Pain. 2017 Jun;158\(6\):1126-1137. doi: 10.1097/j.pain.0893](#)
- Multiparametric Image Analysis of Rat Dorsal Root Ganglion Cultures to Evaluate Peripheral Neuropathy-Inducing Chemotherapeutics [Toxicol Sci. 2017 Mar 1;156\(1\):275-288. doi: 10.1093/toxsci/kfw254](#)
- Propofol inhibits expression of angiotensin II receptor type 2 in dorsal root ganglion neurons [Exp Ther Med. 2017 Mar;13\(3\):867-872. doi: 10.3892/etm.2017.4040. Epub 2017 Jan 12.](#)
- Bone Pain Induced by Multiple Myeloma Is Reduced by Targeting V ATPase and ASIC3 [Cancer Res. 2017 Mar 15;77\(6\):1283-1295. doi: 10.1158/0008-5472.CAN-15-3545](#)
- Production and in vitro evaluation of macroporous, cell-encapsulating alginate fibres for nerve repair [Materials Science and Engineering C: Volume 73, 1](#)
- The mechanistic basis for photobiomodulation therapy of neuropathic pain by near infrared laser light [Lasers Surg Med. 2017 Jan 11. doi: 10.1002/lsm.22628](#)
- In vitro activation of the neuro-transduction mechanism in sensitive organotypic human skin model [j.biomaterials.2016.10.051](#)
- Precursor and mature NGF live tracking: one versus many at a time in the axons [Sci Rep. 2016 Feb 1;6:20272. doi: 10.1038/srep20272](#)
- Subcortical cytoskeleton periodicity throughout the nervous system [Sci Rep 2016; 6: 22741. Published online 2016 Mar 7. doi: 10.1038/srep22741](#)
- Reversal by ranolazine of doxorubicin-induced prolongation in the inactivation of late sodium current in rat dorsal root ganglion neurons [Pain Med. 2015 May;16\(5\):1032-4. doi: 10.1111/pme.12681. Epub 2015 Jan 13](#)
- Effects of medium flow on axon growth with or without nerve growth factor [Biochem Biophys Res Commun. 2015 Sep 11;465\(1\):26-9.](#)

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- 
- Electrophysiological characterization of activation state-dependent Cav2 channel antagonist TROX-1 in spinal nerve injured rats. Neuroscience. 2015 Apr 1;297:47-57.
- The TRPM8 Protein is a Testosterone Receptor: II. Functional Evidence for an Ionotropic Effect of Testosterone on TRPM8 Journal of Biological Chemistry (Impact Factor: 4.6). 12/2014.
- The excimer lamp induces cutaneous nerve degeneration and reduces scratching in a dry-skin mouse model J Invest Dermatol. 2014 Dec;134(12):2977-84. doi: 10.1038/iid.2014.256. Epub Spine J. 2014 Sep 25. pii: S1529-9430(14)01494-6.
- Secreted phosphoprotein 24 kD (Spp24) inhibits nerve root inflammation induced by bone morphogenetic protein-2. j.stemcr.2014.07.014
- Chemical Conversion of Human Fibroblasts into Functional Schwann Cells Pharmazie. 2013 Aug;68(8):677-80
- Propofol up-regulates Mas receptor expression in dorsal root ganglion neurons
- Polyester modification of the mammalian TRPM8 channel protein: Implications for structure and function Cell Rep. Jul 25, 2013; 4(2): 302–315.
- Underlying Mechanism Of Regulatory Actions Of Diclofenac, A Nonsteroidal Anti-Inflammatory Agent, On Neuronal Potassium Channels And Firing: An Experimental And Theoretical Study JPP No 6/2013 - article 01 Page 1 of 18
- Distinct intracellular calcium responses of individual cultured human keratinocytes to air pressure changes Skin Res Technol. 2013 Apr 17.
- Identification of novel pyrazoloquinazolinecarboxylate analogues to inhibit nerve growth factor in vitro j.ejphar.2013.03.029
- Anterograde trafficking of neurotrophin-3 in the adult olfactory system in vivo Exp Neurol. 2012 Dec 21. pii: S0014-4886(12)00458-X.
- A re-evaluation of 9-HODE activity at TRPV1 channels in comparison to anandamide: enantioselectivity and effects at other TRP channels and in sensory neurons British Journal of Pharmacology
- Differentiation state determines neural effects on microvascular endothelial cells Experimental Cell Research. Jun 2012
- Selective Inhibition Of Extracellular Signal-Regulated Kinases 1/2 Blocks Nerve Growth Factor To Brain-Derived Neurotrophic Factor Signaling And Suppresses The Development Of And Reverses Already Established Neuroscience (2012), doi: 10.1016/j.neuroscience.2012.01.002

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- 
- Investigation of Polyurea-Crosslinked Silica Aerogels as a Neuronal Scaffold A Pilot Study PLoS ONE 7 March 2012 | Volume 7 | Issue 3 | e33242
- Matrix Metalloproteinase-8 Is Involved in Dermal Nerve Growth: Implications for Possible Application to Pruritus from In Vitro Models 2106 Journal of Investigative Dermatology (2011), Volume 131 doi:10.1038/jid.2011.173
- Neurite outgrowth of dorsal root ganglia neurons is enhanced on aligned nanofibrous biopolymer scaffold with carbon nanotube coating Neurosci. Lett. (2011), doi:10.1016/j.neulet.2011.06.023
- Differentiation of mesenchymal stem cells to support peripheral nerve regeneration in a rat model Experimental Neurology, doi:10.1016/j.expneurol.2011.01.013
- Morphological and functional differences in coculture system of keratinocytes and dorsal-root-ganglion-derived cells depending on time of seeding Experimental Dermatology, 20, 464–467 DOI:10.1111/j.1600-0625.2011.01276.
- Resolving the assembly state of herpes simplex virus during axon transport by live-cell imaging J. Virol. doi:10.1128/JVI.01296-10
- An Organic Wire: Conductive Polymer Coatings On An Acellular Nerve Scaffold – In Vitro Characterization And Biocompatibility Plastic & Reconstructive Surgery: June 2010 - Volume 125 - Issue 6 - p 53 doi: 10.1097/01.
- Keratinocyte-derived anosmin-1, an extracellular glycoprotein encoded by the X-linked Kallmann syndrome gene, is involved in modulation of epidermal nerve density in atopic dermatitis J Dermatol Sci. 2010 Apr;58(1):64-71. Epub 2010 Feb 20.
- Neurotrophin inhibits both capsaicin-induced substance P release and nerve growth factor-induced neurite outgrowth in cultured rat dorsal root ganglion neurones Clinical & Experimental Dermatology, Volume 35, Number 1, January 2010 , pp. 73-77(5)
- Analgesic Effects of a Substituted N-Triazole Oxindole (TROX-1), a State-Dependant Cav2 Calcium Channel Blocker JPET Fast Forward. Published on May 3, 2010 as DOI:10.1124/jpet.110.166363
- Multi-potent Neurotrophin Antagonist Targets Brain-Derived Neurotrophic Compounds from Sichuan and Melegueta peppers activate, covalently and noncovalently, TRPA1 and TRPV1 channels JPET February 2010 vol. 332 British Journal of Pharmacology (2009) 157 1398–1409

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---

- In vitro model for penetration of sensory nerve fibres on a Matrigel basement membrane: implications for possible application to intractable pruritus Br J Dermatol. 2009 Nov;161(5):1028-37.
- Staircase Currents in Motoneurons: Insight into the Spatial Arrangement of Calcium Channels in the Dendritic Tree J Neurosci. 2009 Apr 22;29(16):5343-53.
- Examining communication between Ultraviolet (UV)-damaged cutaneous nerve cells and epidermal keratinocytes in vitro Toxicol Ind Health 2009; 25; 225 DOI: 10.1177/0748233709103412
- The effects of canine bone marrow stromal cells on neuritogenesis from dorsal root ganglion neurons in vitro Vet Res Commun. 2009 Oct;33(7):645-57. Epub 2009 Mar 3.
- Phosphorylation of Nogo Receptors Suppresses Nogo Signaling, Allowing Neurite Regeneration  
Tumor Necrosis Factor Regulates Responses to Nerve Growth Factor, Promoting Neural Cell Survival but Suppressing Differentiation of Neuroblastoma Cells Sci. Signal., 31 March 2009 Vol. 2, Issue 64, p. ra14 [DOI: Mol Biol Cell. 2008 March; 19(3): 855–864. doi: 10.1091/mbc.E07-06-0624.
- Efficient delivery of RNA Interference to peripheral neurons in vivo using herpes simplex virus Nucleic Acids Research, 2008, Vol. 36, No. 14 e86
- Herpes Simplex Virus Capsids Are Transported in Neuronal Axons without an Envelope Containing the Viral Glycoproteins J Virol. 2007 August; 81(15): 8337–8340. Published online 2007 May 23. doi: 10.1128/JVI.00520-07
- RNAi pathway is functional in peripheral nerve axons FASEB J. 2007 Mar;21(3):656-70. Epub 2007 Jan 5
- Expression profiles of BDNF splice variants in cultured DRG neurons stimulated with NGF Biochem Biophys Res Commun. 2007 Oct 26;362(3):682-8. Epub 2007

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Artificial sweeteners and salts producing a metallic taste sensation activate TRPV1 receptors

Am J Physiol Regul Integr  
Comp Physiol (June 13,  
2007).doi:10.1152/ajpregu.00286.200  
7

Quantitative High Content Analysis of Neurite Outgrowth  
A synthetic peptide modeled on PDNF, Chagas' disease parasite  
neurotrophic factor, promotes survival and differentiation of neuronal  
cells through TrkA receptor

BD Biosciences  
Biochemistry 2005, vol. 44, no  
48, pp. 15685-15694 [10  
page(s) (article)] ISSN 0006-  
2960

Cryopreserved Rat Primary Dorsal Root Ganglion Cells: Simply Thaw and Culture

Cambrex Resource Notes, Vol 3  
Issue2

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