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Selected publications

1. Wrathall, JR, **Teng**, YD, Choiniere, D, and Mundt, D (1992) Evidence that local non-NMDA receptors contribute to functional deficits in traumatic spinal cord injury. *Brain Res* 586: 140-143.
2. Wrathall, JR, Choiniere, D, **Teng**, YD (1994) Dose-dependent deduction of tissue loss and functional impairment after spinal cord trauma with the AMPA/Kainate antagonist NBQX. *J Neurosci* 14: 6598-6607.
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5. **Teng**, YD, Wrathall, JR (1997) Local blockade of sodium channels by tetrodotoxin ameliorates tissue loss and long-term functional deficits resulting from experimental spinal cord injury. *J Neurosci* 17: 4359-4366.
6. Wrathall, JR, **Teng**, YD, Marriott, R (1997) Delayed antagonism of AMPA/Kainate receptors reduces long-term functional deficits resulting from spinal cord trauma. *Exp Neurol* 145: 565-573.
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8. Rosenberg, LJ, **Teng**, YD, Wrathall, JR (1999) 2,3-Dihydroxy-6-Nitro-7-Sulfamoyl-Benzo(f)Quinoxaline reduces glial loss and acute white matter pathology after experimental spinal cord contusion. *J Neurosci* 19: 464-475.
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10. **Teng**, YD, Mocchetti, I, Taveira-DaSilva, AM, Gillis, RA, Wrathall, JR (1999) Basic fibroblast growth factor increases long-term survival of spinal cord motor neurons and improves respiratory function after experimental spinal cord injury. *J Neurosci* 19: 7037-7047.

11. Park, KI, **Teng**, YD, Snyder, EY (2002) The injured brain interacts reciprocally with scaffolds seeded with neural stem cells to reconstitute lost tissue. *Nature Biotech* 20: 1111-1117.
12. **Teng**, YD, Lavik, EB, Qu, X, Ourednik, J, Zurakowski, D, Langer, R, Snyder, EY (2002) Functional recovery following traumatic spinal cord injury mediated by a unique polymer scaffold seeded with neural stem cells. *Proc Natl Acad Sci USA* 99: 3024-3029 (*Co-correspondent author*: YDT).
13. Lavik E, **Teng**, YD, Snyder E, Langer R (2002) Seeding neural stem cells on scaffolds of PGA, PLA, and their copolymers. *Methods Mol Biol* 198: 89-97.
14. **Teng**, YD, Bingaman, M, Taveira-DaSilva, AM, Pace, PP, Gillis, RA, Wrathall, JR (2003) Serotonin 1A (5HT1A) receptor agonists reverse respiratory abnormalities in spinal cord injured rats. *J Neurosci* 23: 4182-41899.
15. **Teng**, YD, Choi H, Onario, RC, Zhu S, Desilets, FC, Lan, S, Woodard, EJ, Snyder, EY, Eichler, ME, Friedlander, RM (2004) Minocycline inhibits contusion-triggered mitochondrial cytochrome c release and mitigates functional deficits after spinal cord injury. *Proc Natl Acad Sci USA* 101: 3071-3076 (Track II; *Correspondent author*: YDT).
16. Imitola, J, Raddassi, K, Park, KI, Mueller, F, Nieto, M, **Teng**, YD, Frenkel, D, Li, J, Sidman, RL, Walsh, CA, Snyder, EY, Khoury, SJ (2004) Directed migration of neural stem cells to sites of CNS injury by the stromal cell-derived factor 1alpha/CXC chemokine receptor 4 pathway. *Proc Natl Acad Sci USA* 101: 18117-22.
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24. Li J, Ma Y, **Teng** YD, Zheng K, Vartanian TK, Snyder EY, Sidman RL. Purkinje neuron degeneration in nervous (nr) mutant mice is mediated by a metabolic pathway involving excess tissue plasminogen activator. *Proc Natl Acad Sci USA* 2006 103: 7847-7852; [Epub: May 8].
25. Wang JM, Zeng YS, Liu RY, Huang WL, Xiong Y, Wang YH, Shui-Jun Chen SJ, **Teng** YD. Recombinant adenovirus vector-mediated functional expression of neurotrophin-3 receptor (TrkC) in neural stem cells. *Exp Neurol* 2006 *in press* (Corresponding author: YDT).

Book Chapters, Reviews, and Commentaries (selected from 15)

1. **Teng**, YD, Park, KI, Lavik, E, Langer, R and Snyder, EY (2001) Chapter 34: Stem Cell Culture: Neural Stem Cells. In Atala, A. and Lanza, R. (eds.) *Methods of Tissue Engineering*. pp 421-428. Academic Press (San Diego, CA).
2. **Teng**, YD, Snyder, EY (2002) Chapter 7: Neural Stem Cells in and from the Spinal Cord. In Zigova, T., Snyder, E.Y., and Sanberg, R. (eds.) *Neural Stem Cells for Brain Repair*. pp333-433. Humana Press (Totowa, NJ).
3. **Teng**, YD, Snyder, EY (2005) Novel Opportunities for Neural Stem Cells in the adult Mammalian Spinal Cord. *Exp Neurol* *in press*.
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