

Select Publications from Dr. Bowser's Laboratory:

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- Ranganathan S, Williams E, Ganchev P, Gopalakrishnan V, Urbinelli L, Newhall K, Lacomis D, Cudkowicz ME, Brown RH.Jr., **Bowser R.** (2005). Proteomic profiling of cerebrospinal fluid identifies biomarkers for amyotrophic lateral sclerosis. *J Neurochem*, 95: 1461-1471.
<http://www3.interscience.wiley.com/cgi-bin/fulltext/118687566/PDFSTART>
- Ranganathan S, Polshyna A, Lutka F, Nicholl G, Lyons-Weiler J, and **Bowser R.** (2006). Assessment of protein stability in cerebrospinal fluid by mass spectrometry based proteomics. *Clinical Proteomics*, 2: 91-102.
- Bowser R,** Cudkowicz M, and Kaddurah-Daouk R. (2006). Biomarkers in amyotrophic lateral sclerosis. *Expert Rev. Mol. Diagn.*, 6: 387-398.
- Kolarcik C, and **Bowser R.** (2006). Plasma and cerebrospinal fluid-based protein biomarkers for motor neuron disease. *Mol. Diag. & Therapy*, 10(5): 281-292.
- Gruzman A, Wood WL, Alpert E, Prasad MD, Miller RG, Rothstein JD, **Bowser R,** Hamilton, R, Wood TD, Cleveland DW, Lingappa VR, and Liu J. (2007). Common molecular signature in SOD1 for both sporadic and familial amyotrophic lateral sclerosis. *Proc Natl Acad Sci USA*, 104: 12524-12529.
<http://www.pnas.org/content/104/30/12524.full.pdf+html>
- Dunckley T, Craig DW, Huentelman MJ, Pearson J, Szelinger S, Joshipura K, Halperin R, Stamper C, Letizia D, Hesterlee SE, Pestronk A, Levine T, Bertorini T, Graves MC, Mozaffar T, Jackson CE, Bosch P, Barohn R, Lomen-Hoerth C, Rosenfeld J, O'Connor DT, Zhang K, Crook R, Hutton M, Ryberg H, Mitsumoto H, **Bowser R,** Miller RG, Appel SH, and Stephan DA. (2007). Whole genome analysis of persons with sporadic amyotrophic lateral sclerosis. *New Eng J Med*, 357: 775-788.
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- Ranganathan S, Nicholl GCB, Henry S, Lutka F, Sathanoori R, Lacomis D, and **Bowser R.** (2007). Proteomic profiling of cerebrospinal fluid reveals significant protein alterations between antemortem and postmortem ALS and control samples. *Amyotrophic Lateral Sclerosis*, 8: 373-379.
- Ryberg H., and **Bowser, R.** (2008). Protein biomarkers for amyotrophic lateral sclerosis. *Expert Rev Proteomics*, 5(2): 249-262.