

**Diana S. Glendinning, PhD**

Associate Professor

Department of Neuroscience and Cell Biology

PhD, University of Florida, Gainesville FL, 1991

Postdoctoral training in motor systems, University of AZ, 1991-94

Phone: (732) 235-4137

Fax: (732) 235-3926

Email: [glendids@rwjms.rutgers.edu](mailto:glendids@rwjms.rutgers.edu)

Office Location: 675 Hoes Lane West, Piscataway, NJ 08854

**Research Interests:**

My research focuses on the pathophysiology and treatment of motor disturbances in Parkinson's disease, particularly freezing-of-gait. My current projects are focused on centrally generated limb and respiratory movements in PD and their relationship to motor blocks. I collaborate with a team of physicians working to develop non-invasive and non-pharmacological treatment approaches to treat PD.

**Select Publications:**

**Glendinning, D.S.**, Kim, R., Linick, D., Monterosso, A., Ngu, P. The coordination of breathing and movement in persons with Parkinsons disease: A pilot study. JNPT 2008; 32: 215-216.

Sisto, S.A., Forrest, G.F., **Glendinning, D.S.** Virtual reality applications for motor rehabilitation after stroke. Topics in Stroke Rehabilitation 2002; 8: 11-23.

**Glendinning, D.S.** Rationale for incorporating strength-training in the physical rehabilitation of persons with Parkinson's disease. Neurology Report 1997; 21:132-135.

Spiegel, K., Stratton, J., Burke, J.R., **Glendinning, D.S.**, Enoka, R.M. Influence of age on the assessment of motor unit activation in a human hand muscle. Journal of Experimental Biology 1996; 81: 805-819.