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## CONGRATULATIONS

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**David Cunningham, PhD**

*Assistant Professor of  
Physical Medicine and Rehabilitation*

**MetroHealth System**

**Case Western Reserve School of Medicine**



The Cleveland FES Center congratulates David Cunningham, PhD on the appointment of Assistant Professor in the Department of Physical Medicine & Rehabilitation (PM&R) at the MetroHealth System and Case Western Reserve University School of Medicine.

Dr. Cunningham's research is focused on improving rehabilitative outcomes for patients with chronic post-stroke hemiplegia by employing methods of non-invasive brain stimulation (repetitive transcranial magnetic stimulation and transcranial direct current stimulation).

His expertise in these methods in conjunction with neuroimaging techniques (functional MRI, resting state MRI, diffusion tensor imaging) and single pulse

transcranial magnetic stimulation allows him to study neurophysiologic adaptations as a result of injury as well as recovery. At MetroHealth-CWRU, Dr. Cunningham is currently developing multi-modal approaches for post-stroke motor restoration that combines non-invasive brain stimulation and functional electrical stimulation.

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### About the FES Center

The Cleveland FES Center is a consortium of the Louis Stokes Cleveland VA Medical Center, MetroHealth Medical Center, Case Western Reserve University, University Hospitals, and the Cleveland Clinic Neurological Institute. With their support, researchers, engineers and clinicians collaborate together to develop innovative solutions that improve the quality of life of individuals with neurological or other muscular skeletal impairments. Through the use of neurostimulation and neuromodulation research and applications, the Cleveland FES Center leads the translation of this technology into clinical deployment.