



Office of University Marketing and Communication  
10900 Euclid Avenue • Cleveland, Ohio 44106-7017  
Phone 216 368-4440 • Fax 216 368-3546 • [www.case.edu](http://www.case.edu)

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## **Ardiem Medical Obtains Non-Exclusive License for Neuromodulation Technology Developed at Case Western Reserve University and the FES Center**

CLEVELAND – Ardiem Medical Inc. has obtained a non-exclusive license to make and sell neuromodulation devices based on intellectual property developed at Case Western Reserve University’s Department of Biomedical Engineering and the Functional Electrical Stimulation (FES) Center in Cleveland.

The agreement grants Ardiem Medical, a medical devices manufacturer based in Indiana, Pa., rights to intramuscular recording and stimulating electrodes, epimysial recording and stimulating electrodes, spiral cuff peripheral nerve electrodes, and a universal external control unit. Additional details of the agreement were not disclosed.

Technologies first developed for internal research at Case Western Reserve and the FES Center will now be directly available through Ardiem to other researchers working in the neuromodulation field. Neuromodulation is among the fastest growing areas of medicine, involving many diverse specialties.

The 2009 two-volume book “Neuromodulation” explains that the technology’s recent advancement has led to rapid growth of the neuromodulation device industry. P. Hunter Peckham, one of the book’s editors, is Donnell Institute Professor of Biomedical Engineering and Orthopaedics at CWRU. Peckham serves as the director of the FES Center.

The FES Center ([www.FEScenter.org](http://www.FEScenter.org)) is a consortium of three institutions: Case Western Reserve University, Cleveland Louis Stokes Veterans Affairs Medical Center and MetroHealth Medical Center. It leads clinical, educational and technology activities related to restoring function through the use of electrical activation for people with disabilities.

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**Case Western Reserve University** is among the nation’s leading research institutions. Founded in 1826 and shaped by the unique merger of the Case Institute of Technology and Western Reserve University, Case Western Reserve is distinguished by its strengths in education, research, service, and experiential learning.

Located in Cleveland, Case Western Reserve offers nationally recognized programs in the Arts and Sciences, Dental Medicine, Engineering, Law, Management, Medicine, Nursing, and Social Work.

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**Ardiem Medical, Inc.**, established in 2001, manufactures implantable products for customers and offers clean space for production and packaging. Employees have many years of experience in research, development and manufacture of medical devices, such as pacemakers, heart valves, injection ports, catheters, functional electrical stimulators, custom medical electrode leads and other prototype devices made to customers' orders. Government research and development contracting work is performed in conjunction with major universities.

<http://www.ardiemmedical.com>

**The Cleveland FES Center** is a consortium of three nationally recognized institutions: the U.S. Department of Veterans Affairs, MetroHealth Medical Center, and Case Western Reserve University. Through the support of these partners, the Cleveland FES Center is able to provide a continuum of advancement. The Cleveland FES Center strives to create a fertile environment in which researchers, engineers, and clinicians work in collaboration to develop technological solutions that improve the quality of life of individuals with neurological or other muscular skeletal impairments through the use of functional electrical stimulation and enables the transfer of this technology into clinical deployment.

[www.FEScenter.org](http://www.FEScenter.org)