



FOR IMMEDIATE RELEASE

Dense Array Brain Waves for Evidence-Based Medicine

Eugene, Oregon – November 8, 2010 - Lifecom, Inc. and Electrical Geodesics, Inc. (EGI) received a \$1M grant from the US National Library of Medicine to provide physicians with rapid, easily interpretable, evidence-based information on a patient's brain status. Lifecom, Inc. has created a clinical decision engine that integrates immediate diagnostic information on a patient's health status with expert knowledge about disease conditions to alert the physician to possible diagnoses, additional testing needed, or choices for clinical management. EGI has created a dense array electroencephalographic (dEEG) brain monitor that can be applied quickly in routine clinic, emergency, or intensive care settings.

By integrating automated pattern recognition from high performance computing algorithms, EGI is able to detect both obvious and subtle problems in brain function during continuous brain monitoring. Expert neurologists are now consulting on this project to organize the clinical indications of each dEEG abnormality. These indications are integrated within the extensive medical evidence base within the clinical decision engine. The integrated clinical neurophysiological decision engine will then allow physicians and emergency medical personnel to integrate sensitive measures of the brain's state with extensive medical evidence to optimize clinical decisions at the point of care.

About EGI

Improving neurological health is one of the key challenges of the twenty-first century. Electrical Geodesics, Inc. (EGI) (<http://www.egi.com>) has developed a dense array electroencephalography (dEEG) technology that is now widely used in human neuroscience research laboratories around the world, addressing topics such as the mechanisms of visual attention, the abnormal frontal lobe development in autism and the neurophysiological processes of normal sleep.

Founded in 1992, EGI set the goal of making dense array EEG (dEEG) practical and affordable for research laboratories. There are now more than 500 EGI-supported research laboratories in 28 countries around the world. EGI systems have supported the research in more than 550 publications in leading scientific and medical journals.

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About Lifecom

Lifecom (<http://www.lifecomhealth.com>) is a Portland, Oregon-based information technology company focused on reducing health care costs while improving quality and safety through improvements in the accuracy and timeliness of medical diagnosis and management. Our suite of products comprises an Individualized Health System (IHS) that will deliver sophisticated analytic, diagnostic, and management tools to patients and their providers.

Lifecom has developed a highly graphical electronic medical diagnosis and record system powered by patented artificial intelligence (AI) coupled with proprietary software tools to capture medical knowledge, and a standardized clinical lexicon. Clinical trials conducted at Oregon Health & Sciences University have validated both the ease of use and clinical efficacy of the Lifecom System.

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