

FOR IMMEDIATE RELEASE

Plexon and Lafayette Instrument Launch Integrated OmniPlex[®] D Neural Data Acquisition System and Bussey-Saksida Touch Screen Operant Chamber

DALLAS, TX -- (March 27, 2014) - Plexon Inc, the leader in advanced hardware and software solutions for neuroscience and behavioral research, and Lafayette Instrument Company, a leading provider of behavioral instrumentation for scientific research, enthusiastically announce the launch of the first integrated product combining the OmniPlex[®] D Neural Data Acquisition System and Bussey-Saksida Touch Screen Operant Chamber for freely behaving rodent experiments.

The sophisticated integration of equipment will offer a unique and unsurpassed environment in which scientists can run a variety of operant tasks while simultaneously recording high resolution neural data in most seamless process experienced by the industry. Most appreciated will be the synchronized data output for much faster data analysis and far fewer opportunities for human error.

The OmniPlex[®] D Neural Data Acquisition System is Plexon's flagship electrophysiology research system. The combination of superior electrically isolated, digital front-end amplification; flexible, intuitive control software specifically tailored to the neuroscientist conducting extracellular recordings; powerful online spike sorting and game-changing new PL2 neural data file format for faster data loading make the OmniPlex D System the most advanced neural data acquisition and online spike sorting system on the market today. Researcher's benefit from 16 to 256 channels simultaneously sampled at 40kHz per neural channel with 16-bit resolution, as well as up to 32 channels auxiliary non-neural A/D inputs, an additional 32 channels of digital inputs and up to 32 channels of digital output.

The Bussey-Saksida Touch Screen Chambers for Rats and Mice are exceptionally popular for the efficient and high-throughput cognitive evaluation of rodents including Paired Associate Learning (PAL), Visuomotor Conditional Learning (VMCL), Extinction (EXT), 5-Choice Serial Reaction Time (5CSRT), Trial-Unique Nonmatching-to-Location (TUNL), Autoshaping (AUTO), Location Discrimination (LD), 5-Choice Continuous Performance Test (5C-CPT) amongst others. The system offers many standard paradigms prewritten to include the entire battery of tasks necessary to habituate, shape, and bring the animal to criteria on that particular application, as well as collect and analyze data. The pre-written task schedules and analysis files are customizable to meet a variety of research requirements. The Bussey-Saksida chamber has a unique trapezoidal wall shape to focus the animal's attention and is made from machined parts that simply slot together. The chamber can also be configured to a modular square chamber with panels, levers, lights, and a range of other operators. Insulated chambers may be purchased individually or in a workstation of four.

The elegant integration of the two best-in-class systems offers a highly effective environment for neuroscience research involving many behavioral paradigms. Interested parties should reach out to either company at info@plexon.com or info@lafayetteinstrument.com.

Future product offerings will include the Bussey-Saksida Touch Screen Operant Chamber System integrated with any combination of the following systems: OmniPlex D Neural Data Acquisition System, CinePlex[®] Behavior Research System for digital video recording, tracking and behavior analysis, and the PlexBright[™] Optogenetic Stimulation System.

About Plexon Inc

Plexon is a pioneer and leading innovator of custom, high performance data acquisition, behavior and analysis solutions specifically designed for scientific research. We collaborate with and supply thousands of customers including the most prestigious neuroscience laboratories around the globe driving new frontiers in areas including basic science, brain-machine interfaces (BMI), neurodegenerative diseases, addictive behaviors and neuroprosthetics. Plexon offers integrated solutions for *in vivo* neurophysiology, optogenetics and behavioral research -- backed by its industry-leading commitment to quality and customer support. www.plexon.com.

About Lafayette Instrument Company

Lafayette Instrument Company develops, manufactures, and distributes instrumentation, software, and related components for the investigation, study, and assessment of biological and behavioral processes. These solutions are utilized domestically and internationally in the following markets: Polygraph, Life Sciences (including Neuroscience), (human) Evaluation, and Custom Fabrication. Campden Instruments is a UK-based subsidiary focused on the development of instruments that support *in vitro* tissue investigation and behavioral research.

www.lafayetteinstrument.com