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Pressure BioSciences to Collaborate with Southern University at New Orleans on Improving and Extending the Use of PBI's PCT Platform for the Detection of DNA in Forensic Samples

Collaboration Also Will Support the New Forensic Science Program at SUNO, One of Only Four Programs in Historically Black Colleges and Universities Nationwide

SOUTH EASTON, Mass., April 14, 2015 /PRNewswire/ -- Pressure BioSciences, Inc. (OTCQB: PBIO) ("PBI" and the "Company") today announced it has entered into a Collaboration Agreement with Southern University at New Orleans (SUNO) to focus on improving and extending the applications of the Company's unique and patented pressure cycling technology (PCT) platform for the detection of DNA in forensic samples. The program will be under the direction of Dr. Pam Marshall, Interim Director, Forensic Science Program and Assistant Professor, Department of Natural Sciences at SUNO.

While a graduate student in the laboratory of Professor Bruce Budowle (a recognized key opinion leader in forensic science) at the University of North Texas' UNT Health Science Center, Dr. Marshall and her colleagues showed that incorporating PCT into the testing protocol for poor quality bone enabled more DNA to be detected as compared to standard methods. As part of the collaboration, Dr. Marshall will continue this pioneering work. She and her team also will investigate other important areas in which PCT might enhance forensic sample testing.

"A critical yet often difficult task in forensic analysis is the extraction of high quality DNA from challenged or inhibited samples," stated Dr. Marshall. "My previous work with the PCT platform gave me an appreciation for this powerful and enabling technology. My published research established that improved quality and quantity of DNA could be extracted from human bone samples with PCT, as compared to bones not treated with PCT."

Dr. Marshall added she believes that several projects undertaken during the collaboration could help establish PCT as a standard method in forensic science. For example, in an effort to reduce poaching, the extraction of DNA from seized African Elephant ivory samples is an important yet very difficult challenge at the present time. "We believe PCT might enable the recovery of greater amounts of DNA compared to current methods," she said. "If successful, this could lead to the use of PCT for the extraction of DNA from a variety of difficult samples. This will be one of the first projects undertaken."

Dr. Nate Lawrence, Vice President of Marketing and Sales for PBI, said, "We are pleased to support Dr. Marshall and her team in their development of new, improved, and expanded applications of the PCT platform in the testing of forensic samples. We believe their efforts will result in commercially profitable PCT-based products for PBI, possibly before the end of 2015."

"In addition to the possible development of new PCT-based products, we are pleased that the collaboration also will support the Forensic Science program at SUNO," said Mr. Richard T. Schumacher, President and CEO of PBI. "This program provides students with the course work, skills and experience necessary for success as a forensic scientist. This role is critical to our criminal justice system, since investigators, courts, and the public depend on forensic scientists for accurate and timely information."

Mr. Schumacher continued: "Our country needs well educated, professionally-trained, forensic scientists. "The Bureau of Labor Statistics currently estimates an approximate 20% increase in job growth in the forensic science field over the next six years. However, although the number of forensic science graduates nationwide is high, the number of graduates among underrepresented minorities is highly inadequate. That is why we are pleased to support educators like Dr. Marshall and universities like SUNO who are at the forefront of developing the next generation of highly skilled forensic scientists, with a vast majority from underrepresented populations."

About SUNO and its Forensic Program

Southern University at New Orleans was founded in 1956 to expand academic opportunities for African-Americans. Today, SUNO still serves as a beacon for those looking for educational advancement in an environment that provides the personal attention some students need for success. With our mission in mind, we plan to be America's premier urban institution of higher learning in the field of Forensic Science, providing educational access to students ready to contribute to our city and nation. In 2013, SUNO successfully implemented the Forensic Science Bachelor of Science degree program. SUNO is the only Historically Black College and University (HBCU) in Louisiana to offer this degree and one of four nationwide. The BS in Forensic Science degree program is committed to producing technically knowledgeable and skilled graduates equipped with the basic foundational science and laboratory problem solving skills necessary for success in the crime laboratory. Upon completion of the Forensic Science program, graduates will be prepared to function as forensic scientists, or for advanced study in such areas as forensic science, biomedical research, medicine and law. Please visit the University's Web site at www.SUNO.edu.

About Pressure BioSciences, Inc.

Pressure BioSciences, Inc. ("PBI") (OTCQB: PBIO) develops, markets, and sells proprietary laboratory instrumentation and associated consumables to the estimated $6 billion life sciences sample preparation market. Our products are based on the unique properties of both constant (i.e., static) and alternating (i.e., pressure cycling technology, or PCT) hydrostatic pressure. PCT is a patented enabling technology platform that uses alternating cycles of hydrostatic pressure between ambient and ultra-high levels to safely and reproducibly control bio-molecular interactions. To date, we have installed over 250 PCT systems in approximately 160 sites worldwide. There are over 100 publications citing the advantages of the PCT platform over competitive methods, many from key opinion leaders.

Our primary application development and sales efforts are in the biomarker discovery and forensics areas. Customers also use our products in other areas, such as drug discovery & design, bio-therapeutics characterization, soil & plant biology, vaccine development, histology, and forensic applications.

Forward Looking Statements

Statements contained in this press release regarding PBI's intentions, hopes, beliefs, expectations, or predictions of the future are "forward-looking" statements within the meaning of the Private Securities Litigation Reform Act of 1995. These statements are based upon the Company's current expectations, forecasts, and assumptions that are subject to risks, uncertainties, and other factors that could cause actual outcomes and results to differ materially from those indicated by these forward-looking statements. These risks, uncertainties, and other factors include, but are not limited to, the risks and uncertainties discussed under the heading "Risk Factors" in the Company's Annual Report on Form 10-K for the year ended December 31, 2014, and other reports filed by the Company from time to time with the SEC. The Company undertakes no obligation to update any of the information included in this release, except as otherwise required by law.

For more information about PBI and this press release, please click on the following website link:
http://www.pressurebiosciences.com
Please visit us on Facebook, LinkedIn, and Twitter

Investor Contacts:	
Richard T. Schumacher, President & CEO	Pressure BioSciences, Inc.
Nathan P. Lawrence, Ph.D. VP of Marketing and Sales	(508) 230-1828 (T)

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