

## Final Program Announced for Symposium at Harvard Medical School on the Applications of Ultra-high Pressure in Biotechnology

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South Easton, MA, May 19, 2010 – Pressure BioSciences, Inc. (NASDAQ: P BIO) (“PBI” and the “Company”) today announced the final Program for the Symposium it is hosting on Friday, May 21<sup>st</sup> at Harvard Medical School (“HMS”). Entitled “*Applications of Ultra-high Pressure in Biotechnology*”, the Symposium will be held from 8:30 am – 5:00 pm in the Rotunda Room of the New Research Building at HMS, 77 Avenue Louis Pasteur, in Boston, MA.

The event is co-hosted by the Laboratory for Innovative Translational Technologies (HC-LITT) and the Central Laboratory (HCCL) of Harvard Catalyst | The Harvard Clinical and Translational Science Center (Harvard CTSC), and the Proteomics Resource at Harvard School of Public Health. The Symposium is free-of-charge; pre-registration is required.

Mr. Wayne Fritzsche, Chairman of the Board of PBI, said: “Fifteen scientists from academia, government, and industry will present data on applications of cycled ultra-high pressure (pressure cycling technology, or “PCT”) in biotechnology. It is expected that attendees will be given an excellent overview of this powerful, proprietary platform and that they will gain a clear understanding of how PCT is currently being used to successfully break through bottlenecks and barriers that are preventing significant advancements in diagnostics and therapeutics”

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#### CALENDAR OF PBI EVENTS

### [58th ASMS Conference on Mass Spectrometry](#)

Salt Lake City, UT

May 23-27, 2010

## Pressure BioSciences Symposium Applications of Ultra-high Pressure in Biotechnology

Co-hosted by the Laboratory for Innovative Translational Technologies (HC-LITT) and Central Laboratory (HCCL) of Harvard Catalyst | The Harvard Clinical and Translational Science Center (Harvard CTSC) led by Drs. Winston P. Kuo and Vincent Ricchiuti and the Proteomics Resource at Harvard School of Public Health (HPR) led by Dr. Alexander R. Ivanov

### Presentation Titles and Speakers

#### High Pressure Instruments for Innovation and Discovery

[Edmund Y. Ting](#), B.S.M.E., M.Sc., Sc.D., Pressure BioSciences, Inc., S. Easton, MA 02375

#### Development of Essential Sample Preparation Techniques in Proteomics Using Ultra-high Pressure

[Alexander R. Ivanov](#), Ph.D., Harvard School of Public Health, HSPH Proteomics Resource, Department of Genetics and Complex Diseases, Boston, MA 2115

#### High Pressure Digestion Improves Reproducibility and Differential Expression Monitoring in Proteomic Experiments

[E. Bonneil](#), Institute for Research in Immunology and Cancer, Université de Montréal, Canada

Presentation Titles Continue on Page 2

[Click Here for Agenda and Full Abstracts](#)

## **Symposium: Applications of Ultra-High Pressure in Biotechnology**

### **Presentation Titles Continued:**

#### **Application of High Pressure for High Performance Proteomics**

Daniel López-Ferrer, Pacific Northwest National Laboratory, Richland, WA

#### **High Pressure Direct Protein Extraction from Tissue – Trypsin Digest with Pressure Cycling Technology (PCT)**

Paul H. Pevsner, Dept. of Pathology, University of Missouri School of Medicine, Columbia, MO

#### **Recovery and Immunoaffinity Enrichment of Integral Membrane Proteins from Metastatic Ovarian Cancer Tissue**

Luke Schneider, Target Discovery, Inc., Palo Alto, CA

#### **Application of Pressure for Improved Proteomic Analysis of FFPE Tissue and for Improved Sample Quality of Formalin-based Tissue Histology**

Carol B Fowler,<sup>1</sup> Dept. of Biophysics, Armed Forces Institute of Pathology, Rockville, MD

#### **A Need for Improved Sample Inactivation and Extraction Methods to Support System Biology Analysis of Biological Threat Organisms**

Bradford S. Powell, Bacteriology Division U.S. Army Medical Research Institute of Infectious Diseases, Fort Detrick, MD

#### **Convenient and Reliable Extraction of *Borrelia burgdorferi* from Ticks Using Pressure Cycling Technology (PCT) and The PCT Shredder**

Richard C. Tilton, Ph.D., Medical Diagnostics Laboratories

[Click Here for Agenda and Full Abstracts](#)

## **Symposium: Applications of Ultra-High Pressure in Biotechnology**

### **Presentation Titles Continued:**

#### **The Real Jurassic Park: The Isolation of Proteins from Microorganisms Preserved in Amber Inclusions for 40 Million Years**

Gary B. Smejkal<sup>1,2</sup>

<sup>1</sup> Harvard Catalyst Laboratory for Innovative Translational Technologies, Boston, MA.

<sup>2</sup> Politecnico di Milano, Department of Chemistry, Materials & Chemical Engineering, Milan, Italy

#### **Pressure Cycling Technology (PCT) Augments Sensitivity of Detection and Robustness in Forensic DNA Analyses**

Bruce Budowle, Ph.D., Department of Forensic and Investigative Genetics, Institute of Investigative Genetics, University of North Texas Health Science Center, Ft Worth, Texas

#### **Rapid Sample Preparation Method for Analysis of N-Linked Glycans**

Zoltan Szabo, Barnett Institute, Northeastern University, Boston, Massachusetts 02115

#### **High-Pressure Assisted In-Gel Tryptic Digestion for Qualitative and Quantitative Characterization of Protein Mixtures**

Melkamu Getie-Kebtie, FDA-CBER-NIH, Rockville Pike, Bethesda, MD 20892

#### **High Pressure in Life Sciences – Trends and Future Opportunities**

Alexander Lazarev, Ph.D. Pressure BioSciences, Inc., 14 Norfolk Ave., S. Easton, Massachusetts 02375

[Click Here for Agenda and Full Abstracts](#)

## Final Program Announced for Symposium at Harvard Medical School on the Applications of Ultra-high Pressure in Biotechnology Continued:

Presentation Titles and Speakers are Listed on Page 1, Right Hand Column and Page 2 Both Columns

Dr. Nate Lawrence, Vice President of Marketing for PBI, said: "Pre-registrations have exceeded early estimates of one hundred people, so we are adjusting the room configuration to allow for more attendees. Registrants include research scientists; journal, magazine, and on-line newsletter reporters; potential strategic partners; customers; and the investment community, including fund managers, venture capitalists, investment bankers, research analysts, and investors. Together with our Harvard co-hosts, we are very excited to be part of this significant, seminal event."

Harvard CTSC is funded by a Clinical and Translational Science Award (Award # UL1 RR 025758) from the National Center for Research Resources (a part of the National Institutes of Health) and financial contributions from Harvard University and its affiliated academic healthcare centers. The mission of HC-LITT is to provide the Harvard research community with early access to new, enabling technologies.

### Disclaimer

Harvard Catalyst | The Harvard Clinical and Translational Science Center, the Harvard Catalyst Central Laboratory (HCCL), the Harvard Catalyst Laboratory for Innovative Translational Technologies (HC-LITT), the Proteomics Resource at Harvard School of Public Health (HPR), and the DoD do not endorse any company or product. The opinions expressed in this press release are those of PBI and do not represent the views of Harvard Catalyst, Harvard University and affiliated academic health care centers, National Center for Research Resources, the DoD, or the National Institutes of Health.

### 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. Such forward looking statements include statements regarding the applications of cycled, ultra-high hydrostatic pressure (PCT) in biotechnology; that PCT is a powerful new proprietary platform; that PCT may be used to successfully break through bottlenecks and barriers that are preventing significant advancements in diagnostics and therapeutics; that PCT can enable new discoveries; the possible range of applications of PCT; the expected presenters and registrants at the Symposium; and that the Symposium will be an important event and an effective way to highlight the features and benefits of PCT. These statements are based upon the Company's current expectations, forecasts, and assumptions that are subject to risks, uncertainties, and

**Please come to PBI's Booth 8 during the ASMS Annual Meeting to see how the new MicroTube and MicroCap format can dramatically improve your laboratory's work flow!**

**58th ASMS Conference on Mass Spectrometry**

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### Forward Looking Statements

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: possible difficulties or delays in the implementation of the Company's strategies that may adversely affect the Company's continued commercialization of PCT and its PCT-dependent products; changes in customer's needs and technological innovations; other scientists may not achieve the same results with PCT reported by scientists in the past or by the scientists at the upcoming Symposium; the Company may not be successful in selling the PCT product line because scientists may not perceive the advantages of PCT over other methods, including the various areas to be discussed at the upcoming Symposium; due to unforeseen costs or delays, the Company may require additional working capital to fund its operations prior to the second half of 2011; and while the Company will require additional working capital in the second half of 2011, such additional working capital may not be available to the Company on acceptable terms or at all. Additional risks and uncertainties that could cause actual results to differ materially from those indicated by these forward-looking statements are discussed under the heading "Risk Factors" in PBI's Report on Form 10-Q for the quarter ended March 31, 2010, and other reports filed by PBI from time to time with the SEC. PBI undertakes no obligation to update any of the information included in this release, except as otherwise required by law.