



Exosome Diagnostics and QIAGEN Expand Collaboration to Develop Non-Invasive Biofluid Diagnostic for Lung Cancer

- **Collaboration will focus on enabling detection of known cancer biomarkers in blood plasma**
- **Blood-based diagnostics have the potential to provide repeated, non-invasive assessment of tumor mutation status**

New York City — Jan. 13, 2014 — Exosome Diagnostics today announced an expansion of its strategic collaboration with QIAGEN to develop non-invasive molecular diagnostics for use in detecting and monitoring actionable genetic mutations in lung cancer patients. In contrast with current molecular diagnostics requiring tissue biopsy, the focus will be to enable detection of well-understood cancer biomarkers in plasma, reducing both cost and patient risk. Financial terms of the collaboration were not disclosed.

The program will focus on detection of known mutations associated with non-small cell lung cancer (NSCLC) and other malignancies that have the potential to be paired with targeted therapies. QIAGEN plans to submit the first diagnostic test developed under the collaboration to the Food and Drug Administration following clinical validation.

“The ability to perform molecular testing in blood represents an important advance in personalized medicine,” said James McCullough, Chief Executive Officer of Exosome Diagnostics. “QIAGEN is the ideal partner to bring robust, regulated exosome technology products to the global clinical market place.”

Exosome Diagnostics’ proprietary technology is focused on rapid, robust isolation of clinically actionable genetic biomarkers from blood, urine and cerebrospinal fluid for diagnosis, monitoring and companion diagnostic applications. The Company’s clinical *in vitro* diagnostic products are designed to operate on widely available sequencing and PCR instruments. Exosome Diagnostics intends to launch the first in a series of blood-based mutation diagnostics in its CLIA laboratory beginning in 2014.

Exosomes are the messenger packages in a fundamental biological communication system that transmits genetic instructions from cell to cell. The unique technology developed by Exosome Diagnostics allows non-invasive detection of key disease associated gene mutations and gene expressions in blood, urine and cerebrospinal fluid without the need for a surgical tissue biopsy.

About Exosome Diagnostics

Exosome Diagnostics is a leading developer of biofluid-based molecular diagnostic tests for use in personalized medicine. Exosomes and other microvesicles are packaged and shed into all biofluids, including blood, urine and CSF, providing a stable source for

intact, disease-specific nucleic acids. The company's proprietary exosome technology makes use of the presence and natural stability of RNA in exosomes to detect and measure levels of genes responsible for cancer and other diseases. The company is commercializing in vitro diagnostic tests for use in personalized medicine and real-time monitoring of disease. For more information, please visit www.exosomedx.com.

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