



Publication Highlights Potential Clinical Applications of the HTG Transcriptome Panel in Bladder Cancer

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TUCSON, Ariz., June 29, 2022 (GLOBE NEWSWIRE) -- HTG Molecular Diagnostics, Inc. (Nasdaq: HTGM) (HTG), a life science company advancing precision medicine through its innovative transcriptome-wide profiling technology, announced the customer publication of a peer reviewed journal article featuring the HTG Transcriptome Panel (HTP) less than one year after the breakthrough product's commercial release.

The [article](#), published in *Frontiers in Medicine* by one of several participants in the Company's HTP Early Adopter Program, applied the comprehensive HTP to query 19,398 mRNA targets in an effort to advance the understanding of how best to treat bladder cancer patients who do not fall into categories identified by routine tissue staining. According to study authors from University Hospital Frankfurt, Germany, a two-sided classification system based on CK5/6 and GATA3 expression using immunohistochemistry (IHC) may not sufficiently reflect the heterogeneity of bladder cancer to make treatment decisions. Especially as it relates to the group of IHC-double negative cases, further analysis using the HTP for mRNA expression profiling was able to assist in identifying multiple molecular and histological subtypes, which has important implications for therapy selection in this heterogeneous group.

Bladder cancer is the second most common genitourinary malignancy with ~570,000 new cases worldwide each year, 25% of which have the more severe muscle invasive disease. Significant advances, including genomic characterization of tumors, are helping to increase the relatively low 5-year survival rates and improve treatment outcomes. We expect the HTP platform to aid in uncovering predictive biomarkers, helping identify patients who will best be served by chemotherapy and those who can be spared the associated toxicity of such treatments.

"We are proud of the scientific progress that is being enabled by researchers using our cutting edge technology, such as the team at University Hospital Frankfurt," said John Lubniewski, CEO of HTG. "I believe the growing number of customer publications and presentations made by researchers who have experienced the unique utility of our HTP reflect the transformational impact that this product can have both in oncology and in other areas of scientific research and innovation."

Measuring approximately 20,000 mRNA targets using HTG's proprietary HTG EdgeSeq™ technology, HTP can be deployed to profile a wide range of diseases. In addition, we believe HTP can also be used to assist in identifying new drug candidates, develop molecular classification tools and discover critical biomarkers. The HTP requires a reduced sample amount, is less sensitive to RNA degradation resulting from sample age and provides faster turnaround times than other, currently available methods. The HTP has also been shown to have a higher sample success rate than RNA-Seq for gene expression profiling. HTG previously released a series of white papers highlighting these capabilities and performance measures, the most recent of which can be found [here](#). In addition, the HTP was recently the subject of a global webinar presentation by researchers from AbbVie, which can be accessed for replay in the coming weeks using the following [link](#).

About HTG:

HTG is accelerating precision medicine from diagnosis to treatment by harnessing the power of transcriptome-wide profiling to drive translational research, clinical diagnostics and targeted therapeutics across a variety of disease areas.

Building on more than a decade of pioneering innovation and partnerships with biopharma leaders and major academic institutes, HTG's proprietary RNA platform technologies are designed to make the development of life science tools and diagnostics more effective and efficient and to unlock a differentiated and disruptive approach to transformative drug discovery. For more information visit www.htgmolecular.com.

Safe Harbor Statement:

Statements contained in this press release regarding matters that are not historical facts are "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995, including statements regarding the capabilities, applications and design benefits of HTP and HTG's proprietary RNA platform technologies, and the potential transformational impact of HTP. Words such as "can," "designed to," "believe," "will," "potential" and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements necessarily contain these identifying words. These forward-looking statements are based upon management's current expectations, are subject to known and unknown risks, and involve assumptions that may never materialize or may prove to be incorrect. Actual results and the timing of events could differ materially from those anticipated in such forward-looking statements as a result of various risks and uncertainties, including, without limitation, the risk that the HTP or our RNA platform technology may not perform as expected or provide the benefits that we expect; risks associated with our ability to develop and commercialize our products, including HTP; the risk that HTP or our other products and services may not be adopted by biopharmaceutical companies or other customers as anticipated; our ability to manufacture our products to meet demand; competition in our industry; additional capital and credit availability; our ability to attract and retain qualified personnel; and product liability claims. These and other factors are described in greater detail in our filings with the Securities and Exchange Commission (SEC), including under the "Risk Factors" heading of our Quarterly Report on Form 10-Q for the quarter ended March 31, 2022, as filed with the SEC on May 12, 2022. All forward-looking statements contained in this press release speak only as of the date on which they were made, and we undertake no obligation to update such statements to reflect events that occur or circumstances that exist after the date on which they were made.

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