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Molecular Targeting Technologies, Inc. Announces a new PET imaging agent for Rapid Monitoring Tumor Response to Therapy

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West Chester, PA, (BUSINESS WIRE)—Molecular Targeting Technologies, Inc. (MTTI) announced today the issuance of United States Patent # 10,953,113. The patent claims a quick (5 min), easy and quantitative conversion of commercially available ^{18}F-deoxyglucose (^{18}F-FDG) to ^{18}F-Fluroglucaric acid (^{18}F-FGA).

Professor Fabian Kiessling, MD, Director of the Institute for Experimental Molecular Imaging, RWTH Aachen University, Aachen, Germany commented, “In addition to monitoring tumor therapy, a tracer that sees necrosis should track organ fibrosis in chronic kidney disease and liver fibrosis. These diseases are common, but their progression and responses to therapy are still hard to track reliably. ^{18}F-FGA could be extremely valuable to fill this unmet medical need.”

Professor Vibhudutta Awasthi, PhD, Associate Dean of Research, inventor and co-inventor Dr. Hailey Houson at the University of Oklahoma said “An ^{18}F-FGA imaging agent for necrosis can revolutionize a diagnostic workup of many human diseases where tissue necrosis occurs as part of the pathology. This tracer enables use of high resolution, high sensitivity PET, to detect myocardial infarction and brain stroke. We are delighted to hear about MTTI’s effort to commercialize this technology.”

“The search for agents that could image necroses, without accumulating in living tissue, has been going on for decades. This innovative ^{18}F PET tracer is specific for dead cells. It is also ideal for rapid monitoring tumor response to radiation and drug treatment. We’re excited for this discovery and look forward to advancing this molecule to clinic,” said Chris Pak, President & CEO of MTTI.

Molecular Targeting Technologies, Inc. is a privately held, clinical stage biotech company, developing targeted radiotherapeutics for rare cancers. Our lead platform technology is owned under an exclusive worldwide license to commercialize Evans blue (EB) platform patents from NIH. This transformative technology has applications in several cancers overexpressing somatostatin receptor type 2 (SSTR2), like Hürthle Cell Thyroid Carcinoma. The company is committed to building value by acquiring and translating innovative imaging, radiopharmaceutical therapy assets to improve human health, reduce healthcare costs and reward stakeholders. MTTI expects to orchestrate multiple clinical trials in 2021. For more information: www.mtarget.com.

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