Repare Therapeutics Announces Publication in Nature Medicine Highlighting Clinical Benefit of Camonsertib in Advanced Solid Tumors

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CAMBRIDGE, Mass. & MONTREAL--(BUSINESS WIRE)--Jun. 6, 2023-- Repare Therapeutics Inc. (“Repare” or the “Company”) (Nasdaq: RPTX), a leading clinical-stage precision oncology company, today announced that data from the ongoing Phase 1/2 TRESR clinical trial evaluating camonsertib (RP-3500/RG6526, partnered with Roche), a potent and selective oral small molecule inhibitor of ATR (Ataxia-Telangiectasia and Rad3-related protein kinase), were published in *Nature Medicine*.

The article, entitled “Camonsertib in DNA damage response-deficient advanced solid tumors: phase 1 trial results” can be accessed here.

“The results of the TRESR trial demonstrate not only the single agent activity of camonsertib, a potent and selective ATR inhibitor, but also define the importance of enhanced precision medicine approaches, such as the identification of bi-allelic alterations affecting the target DNA repair genes and other biomarkers, as well as the use of longitudinal liquid biopsies to guide its delivery to the right patients,” said Maria Koehler, MD, PhD, EVP and Chief Medical Officer of Repare. “This study provides a framework for the testing of novel therapeutic approaches based on the principles of synthetic lethality and informed by genome-wide CRISPR screens.”

TRESR (NCT04497116) is a first-in-human, multi-center, open-label Phase 1/2 dose-escalation and expansion study, designed to establish the recommended Phase 2 dose and schedule, evaluate safety and pharmacokinetics and identify preliminary anti-tumor activity associated with camonsertib, given alone and in combination with talazoparib or in combination with gemcitabine. Clinical data were most recently presented at the 2022 and the 2023 American Association for Cancer Research (AACR) Annual Meetings, demonstrating the promising safety and efficacy profile of camonsertib, both as a monotherapy and in combination with a poly (ADP-ribose) polymerase inhibitor.

About Repare Therapeutics’ SNIPRx® Platform

Repare’s SNIPRx® platform is a genome-wide CRISPR-based screening approach that utilizes proprietary isogenic cell lines to identify novel and known synthetic lethal gene pairs and the corresponding patients who are most likely to benefit from the Company’s therapies based on the genetic profile of their tumors. Repare’s platform enables the development of precision therapeutics in patients whose tumors contain one or more genomic alterations identified by SNIPRx® screening, in order to selectively target those tumors in patients most likely to achieve clinical benefit from resulting product candidates.

About Repare Therapeutics, Inc.

Repare Therapeutics is a leading clinical-stage precision oncology company enabled by its proprietary synthetic lethality approach to the discovery and development of novel therapeutics. The Company utilizes its genome-wide, CRISPR-enabled SNIPRx® platform to systematically discover and develop highly targeted cancer therapies focused on genomic instability, including DNA damage repair. The Company’s pipeline includes lunresertib (RP-6306), a PKMYT1 inhibitor currently in Phase 1 clinical development; camonsertib (RP-3500/RG6526), a potential leading ATR inhibitor currently in Phase 1/2 clinical development and partnered with Roche; a preclinical Polθ inhibitor program; as well as several additional, undisclosed preclinical programs, including RP-1664. For more information, please visit reparerx.com.

SNIPRx® is a registered trademark of Repare Therapeutics Inc.

Forward-Looking Statements

This press release contains “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995 and securities laws in Canada. All statements in this press release other than statements of historical facts are “forward-looking statements. These statements may be identified by words such as “aims,” “anticipates,” “believes,” “could,” “estimates,” “expects,” “forecasts,” “goal,” “intends,” “may,” “plans,” “possible,” “potential,” “seeks,” “will” and variations of these words or similar expressions that are intended to identify forward-looking statements, although not all forward-looking statements contain these words. Forward-looking statements in this press release include, but are not limited to, statements regarding: the safety, efficacy and clinical progress of the Company’s clinical programs, including RP-6306 and camonsertib; the clinical and preclinical development of the Company’s pipeline and its research and development programs, including the anticipated timing, anticipated patient enrollment, trial outcomes or associated costs of its clinical trials of RP-6306 and camonsertib and ongoing preclinical studies of the Company's Polθ inhibitor program; the Company’s continued development of camonsertib in partnership with Roche; the status of clinical trials (including, without limitation, expectations regarding the data that is being presented, the expected timing of data releases and development, as well as completion of clinical trials) and development timelines for the Company’s product candidates; selection of a Polθ inhibiting compound and the Company’s plans and timing with respect to an IND filing for its Polθ program; the sufficiency of the Company’s cash resources and its anticipated cash runway into 2026; and the expected benefits of the Company’s collaborations and partnerships. These forward-looking statements are based on the Company’s expectations and assumptions as of the date of this press release. Each of these forward-looking statements involves risks and uncertainties that could cause the Company’s clinical development programs, future results or performance to differ materially from those expressed or implied by the forward-looking statements. Many factors may cause differences between current expectations and actual results, including: the impacts of macroeconomic conditions, including the COVID-19 pandemic, the conflict in Ukraine, rising inflation, and uncertain credit and financial markets on the Company’s business, clinical trials and financial position; unexpected safety or efficacy data observed during preclinical studies or clinical trials; clinical trial site activation or enrollment rates that are lower than expected; changes in expected or existing competition; changes in the regulatory environment; the uncertainties and timing of the regulatory approval process; and unexpected litigation or other disputes. Other factors that may cause the Company’s actual results to differ from those expressed or implied in the forward-looking statements in this press release are identified in the section titled "Risk Factors" in the Company’s Annual Report on Form 10-K for the year ended December 31, 2022 filed with the Securities and Exchange Commission (“SEC”) and the Québec Autorité des Marchés Financiers ("AMF") on February 28, 2023, and its other documents subsequently filed with or furnished to the SEC and AMF. The Company expressly disclaims any obligation to update any forward-looking statements contained herein, whether as a result

of any new information, future events, changed circumstances or otherwise, except as otherwise required by law. For more information, please visit reparerx.com and follow Repare on Twitter at @RepareRx and on LinkedIn at https://www.linkedin.com/company/repare-therapeutics/.

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