Repare Therapeutics Doses First Patient in Camonsertib Monotherapy Non-Small Cell Lung Cancer Expansion of TRESR Clinical Trial

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CAMBRIDGE, Mass. & MONTREAL--(BUSINESS WIRE)--Jun. 10, 2024-- Repare Therapeutics Inc. (“Repare” or the “Company”) (Nasdaq: RPTX), a leading clinical-stage precision oncology company, today announced the first patient has been dosed in the Company’s camonsertib monotherapy non-small cell lung cancer (NSCLC) expansion of the TRESR clinical trial.

“Camonsertib has demonstrated a promising signal of prolonged progression free survival in patients with ATM-mutated NSCLC in our ongoing TRESR clinical trial. We are thrilled with the rapid and efficient expansion of this clinical trial with the treatment of the first patient less than one month from the return of camonsertib global rights to Repare,” said Maria Koehler, MD, PhD, Executive Vice President and Chief Medical Officer of Repare. “Our biomarker-driven approach with camonsertib monotherapy has the potential to address the high unmet need of over 5,000 patients with ATM-mutated NSCLC in the tumor recurrence setting, across the United States, UK and top four EU markets, where unfortunately, the current standard of care provides progression free survival of approximately four months and low response rates.”

The TRESR (Treatment Enabled by SNIPRx) clinical trial (NCT04497116) is a multicenter, open-label, dose-escalation and expansion Phase 1/2 clinical trial to investigate safety and tolerability, pharmacokinetics, pharmacodynamics, and the anti-tumor activity of camonsertib alone or in combinations. The NSCLC expansion is expected to enroll up to 20 patients with ATR-inhibitor sensitizing mutations in NSCLC to study the efficacy of camonsertib at the recommended Phase 2 dose. With limited treatments for recurrent NSCLC, camonsertib offers a highly desirable oral therapy option with an established safety profile. Repare expects a potential data readout in the camonsertib monotherapy NSCLC expansion in 2025.

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 (also known as RP-6306), a PKMYT1 inhibitor currently in Phase 1/2 clinical development; camonsertib (also known as RP-3500), a potential leading ATR inhibitor currently in Phase 1/2 clinical development; RP-1664, a Phase 1 PLK4 inhibitor; RP-3467, a preclinical Polθ ATPase inhibitor program; as well as additional, undisclosed preclinical programs. For more information, please visit reparerx.com and follow @Reparerx on X (formerly Twitter) and LinkedIn.

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 design, objectives, initiation, enrollment, timing, progress and results of current and future preclinical studies and clinical trials of the Company’s product candidates, including its Phase 1/2 TRESR trial of camonsertib, including the NSCLC expansion of the trial; the potential of camonsertib monotherapy to address the high unmet need of patients ATM-mutated NSCLC in the tumor recurrence setting; the potential market size for camonsertib; and the benefits and ability to discover further targets and clinical candidates from the Company’s discovery platform. 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 potential that success in preclinical testing and earlier clinical trials does not ensure that later clinical trials will generate the same results or otherwise provide adequate data to demonstrate the efficacy and safety of a product candidate; the impacts of macroeconomic conditions, including the conflict in Ukraine and the conflict between Israel and Hamas, heightened 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; the Company’s ability to realize the benefits of its collaborations and license agreements; 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, 2023 filed with the Securities and Exchange Commission (“SEC”) and the Québec Autorité des Marchés Financiers ("AMF") on February 28, 2024, 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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