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TCBP Enters Research Planning Collaboration with Dr. Carlos Maluquer de Motes for Mpox Therapeutic

EDINBURGH, Scotland, Oct. 22, 2024 /PRNewswire/ -- TC BioPharm (Holdings) PLC ("TC BioPharm" or the "Company") (NASDAQ: TCBP), a clinical-stage biotechnology company developing platform allogeneic gamma-delta T cell therapies for cancer and other indications, today announced it has entered into a research planning collaboration with Dr. Carlos Maluquer de Motes for the development of a treatment for Monkeypox.



Dr. Carlos Maluquer de Motes is Reader and Principal Investigator at the University of Surrey, United Kingdom and works closely with The Pirbright Institute, a leading center of excellence in research of viral diseases that spread from animals to humans. After receiving his PhD in Virology from the University of Barcelona, he joined the laboratory of Claude Krummenacher and Gary Cohen at the University of Pennsylvania to study herpesvirus immune evasion. In 2009, he joined the laboratory of Geoffrey Smith at Imperial College London and subsequently the University of Cambridge to study vaccinia virus modulation of innate immunity and cell death.

"We've seen the ramifications of a global pandemic and the havoc it can inflict," said Bryan Kobel, CEO of TC BioPharm. "There is significant data stating that a successful immune response to viral infection is heavily reliant on the presence of gamma delta t-cells, both in the preventative sense and in the successful outcomes of patients with viral infection. We believe that our lead therapeutic TCB008 could play an important role in treating this virus as well as other infectious diseases, providing a bolstered level of gamma delta t-cells to generate a more effective immune response in patients who are facing severe viral infection. TCB also intends to explore the use of TCB008 in a prophylactic setting for infectious diseases with the intent to provide TCB008 in a supportive or adjunct use for patients at high risk of infection to various diseases when immune-compromised or suppressed in hospital settings or by age where the immune system and gamma delta t-cell population has weakened. After meeting with a number of experts, our team and I were impressed with Carlos' approach to this potential research plan and his prior stellar work in infectious disease research. We look forward to working with Dr. Maluquer de Motes and playing an important role in addressing this underserved need."

Mpox is an infectious viral disease that can occur in humans and other animals. Symptoms include a rash that forms blisters, fever, and swollen lymph nodes. Since the beginning of

Mpox monitoring in 2022, there have been more than 100,000 confirmed cases including over 200 deaths. Cases have been reported by more than 120 countries globally according to the World Health Organization (WHO).

Forward-Looking Statements

This press release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. All statements contained in this Current Report on Form 8-K that do not relate to matters of historical fact should be considered forward-looking statements, including without limitation statements regarding the Company's intent or ability to affect any budget savings or execute on any M&A or capital raising strategy. These statements are based on management's current assumptions and are neither promises nor guarantees but involve known and unknown risks, uncertainties and other important factors that may cause the Company's actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. For other important factors that could cause actual results to differ materially from the forward-looking statements in this Current Report on Form 8-K, please see the risks and uncertainties identified under the heading "Risk Factors" in our Annual Report on Form 10-K for the year ended December 31, 2023, and our other reports filed with the SEC, all of which is available on the Company's Investor Relations website at www.tcbiopharm.com and on the SEC website at www.sec.gov. All forward-looking statements reflect the Company's beliefs and assumptions only as of the date of this Current Report on Form 8-K. The Company undertakes no obligation to update forward-looking statements to reflect future events or circumstances.

About TC BioPharm (Holdings) PLC

TC BioPharm is a clinical-stage biopharmaceutical company focused on discovering, developing, and commercializing gamma-delta T-cell therapies for cancer treatment with human efficacy data in acute myeloid leukemia. Gamma-delta T cells are naturally occurring immune cells that embody properties of both the innate and adaptive immune systems and can intrinsically differentiate between healthy and diseased tissue.

TC BioPharm is the leader in developing gamma-delta T cell therapies, and the first company to conduct phase II/pivotal clinical studies in oncology. The Company is conducting two investigator-initiated clinical trials for its unmodified gamma-delta T cell product line - Phase 2b/3 pivotal trial in treating acute myeloid leukemia using the Company's proprietary allogeneic CryoTC technology to provide frozen product to clinics worldwide.

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