November 29, 2018

OncoSec Presents New Data During Oral Presentation At Melanoma Bridge Demonstrating Intratumoral Monotherapy TAVO™ Induces Abscopal Responses In Metastatic Melanoma Patients

TAVO™ monotherapy resulted in 47% of patients experiencing regression in at least one untreated lesion

SAN DIEGO and PENNINGTON, N.J., Nov. 29, 2018 /PRNewswire/ -- OncoSec Medical Incorporated (OncoSec) (NASDAQ: ONCS), a company developing intratumoral cancer immunotherapies, announced today the presentation of new data from the company's Phase 2 study of TAVO™ (tavokinogene telseplasmid) for the treatment of metastatic melanoma. The newly presented data reports abscopal responses with TAVO™ monotherapy, finding that treatment with TAVO™ monotherapy resulted in 47 percent of patients experiencing tumor regression in at least one untreated lesion. These data were selected for an oral presentation at Melanoma Bridge 2018, taking place November 30 to December 1, Naples, Italy.

"These findings are significant because they clearly demonstrate that intratumoral treatment with TAVO is having a systemic effect that goes beyond the treated tumor, and to see that effect in nearly half of treated patients is remarkable, particularly with such a well-tolerated therapy," said Alain Algazi, M.D., Lead Trial Investigator, Associate Professor, Department of Medicine (Hematology/Oncology), at the University of California San Francisco (UCSF) Helen Diller Family Comprehensive Cancer Center and Strategic Clinical Advisor to OncoSec. "These findings build upon our previous report from this study showing an approximate 30 percent overall response rate with monotherapy TAVO and further support the potential value of TAVO therapy for this patient population."

OMS-100 is a Phase 2 study of monotherapy TAVO for the treatment of patients with metastatic melanoma. In all, 51 subjects were enrolled in three treatment arms. Reponses data from the study were previously reported, with approximately 30 percent of subjects achieving a best overall response based on RECIST criteria. In addition, 47 percent of patients had stable disease, resulting in a DCR (Disease Control Rate) of 77 percent. Among patients who responded to monotherapy, investigators noted upregulation of innate immune mediators in the periphery of responding patients after treatment. TAVO was well tolerated, with predominantly grade 1 procedural related adverse events.

Slides from the Melanoma Bridge will be available following the conference on www.oncosec.com.

About OncoSec Medical Incorporated
OncoSec is a clinical-stage biotechnology company focused on developing cytokine-based intratumoral immunotherapies to stimulate the body's immune system to target and attack cancer. OncoSec's lead immunotherapy platform – TAVO™ (tavokinogene telseplasmid) – enables the intratumoral delivery of DNA-based interleukin-12 (IL-12), a naturally occurring protein with immune-stimulating functions. The technology, which employs electroporation, is designed to produce a controlled, localized expression of IL-12 in the tumor microenvironment, enabling the immune system to target and attack tumors throughout the body. OncoSec has built a deep and diverse clinical pipeline utilizing TAVO™ as a potential treatment for multiple cancer indications either as a monotherapy or in combination with leading checkpoint inhibitors; with the latter potentially enabling OncoSec to address a great unmet medical need in oncology: anti-PD-1 non-responders. Results from recently completed clinical studies of TAVO™ have demonstrated a local immune response, and subsequently, a systemic effect as either a monotherapy or combination treatment approach. In addition to TAVO™, OncoSec is identifying and developing new DNA-encoded therapeutic candidates and tumor indications for use with its ImmunoPulse® platform. For more information, please visit www.oncosec.com.

Forward-Looking Statements
This press release contains "forward-looking statements" within the meaning of the U.S. Private Securities Litigation Reform Act of 1995. Forward-looking statements can be identified by words such as "can," "may," "will," "suggest," "look forward to," "potential," "understand," and similar references to future periods.

Forward-looking statements are neither historical facts nor assurances of future performance. Instead, they are based on management's current preliminary expectations and are subject to risks and uncertainties, which may cause our results to differ materially and adversely from the statements contained herein. Potential risks and uncertainties that could cause actual results to differ from those predicted include, among others, the following: uncertainties inherent in pre-clinical studies and clinical trials, such as the ability to enroll patients in clinical trials and the risk of adverse events; unexpected new data, safety and technical issues; our ability to raise additional funding necessary to fund continued operations; and the other factors discussed in OncoSec's filings with the Securities and Exchange Commission.

Undue reliance should not be placed on forward-looking statements, which speak only as of the date they are made. OncoSec disclaims any obligation to update any forward-looking statements to reflect new information, events or circumstances after the date they are made, or to reflect the occurrence of unanticipated events.

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