

May 21, 2020



OncoSec to Present Two Late-Breaking Pre-Clinical Abstracts on TAVO-PLUS at the American Association for Cancer Research (AACR) Virtual Annual Meeting II

PENNINGTON, N.J. and SAN DIEGO, May 21, 2020 /PRNewswire/ --**OncoSec Medical Incorporated (the "Company" or "OncoSec")** (Nasdaq: ONCS), a company developing late-stage intratumoral cancer immunotherapies, today announced that it will present new pre-clinical data demonstrating the utility of OncoSec's next-generation product candidate, TAVO^{PLUS} (enhanced interleukin-12 or "IL-12" plasmid), and its electroporation gene delivery system as a promising approach for patients with melanoma and other solid tumors. The data were selected for two late-breaking poster presentations at the American Association for Cancer (AACR) Virtual Annual Meeting II being held June 22-24, 2020.

The following posters will be presented during the session titled, Late-Breaking Research: Immunology 2, on June 22, 2020 from 9:00 a.m. – 6:00 p.m. EDT:

Title: Intratumoral electroporation of plasmid-encoded IL-12 and membrane-bound anti-CD3 increases tumor immunogenicity and augments the function of T cell subsets

Poster Number: 14

Abstract Number: LB-390

Title: Amplification of the CXCR3/CXCL9 axis via intratumoral electroporation of CXCL9 synergizes with IL-12 gene therapy (TAVO) to elicit robust anti-tumor immunity

Poster Number: 20

Abstract Number: LB-396

Full abstracts are available online at www.aacr.org. Posters will be available on OncoSec's website following the presentations.

About OncoSec Medical Incorporated

OncoSec Medical Incorporated (the "Company," "OncoSec," "we" or "our") is a late-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 investigational product candidate – TAVOTM (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 TAVOTM 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 along with an acceptable safety profile, warranting further development. In addition to TAVO™, OncoSec is identifying and developing new DNA-encoded therapeutic candidates and tumor indications for use with its new Visceral Lesion Applicator (VLA), to target deep visceral lesions, such as liver, lung or pancreatic lesions. For more information, please visit www.oncosec.com.

TAVO™ is a trademark of OncoSec Medical Incorporated.

Risk Factors and Forward-Looking Statements

This release, as well as other information provided from time to time by the Company or its employees, may contain forward-looking statements that involve a number of risks and uncertainties that could cause actual results to differ materially from those anticipated in the forward-looking statements. Forward-looking statements provide the Company's current beliefs, expectations and intentions regarding future events and involve risks, uncertainties (some of which are beyond the Company's control) and assumptions. For those statements, we claim the protection of the safe harbor for forward-looking statements contained in the Private Securities Litigation Reform Act of 1995. You can identify forward-looking statements by the fact that they do not relate strictly to historical or current facts. These statements may include words such as "anticipate," "believe," "could," "estimate," "expect," "intend," "may," "plan," "potential," "should," "will" and "would" and similar expressions (including the negative of these terms). Although we believe that expectations reflected in the forward-looking statements are reasonable, we cannot guarantee future results, levels of activity, performance or achievements. The Company intends these forward-looking statements to speak only at the time they are published on or as otherwise specified, and does not undertake to update or revise these statements as more information becomes available, except as required under federal securities laws and the rules and regulations of the Securities Exchange Commission ("SEC"). In particular, you should be aware that the success and timing of our clinical trials, including safety and efficacy of our product candidates, patient accrual, unexpected or expected safety events, the impact of COVID-19 on the supply of our candidates or the initiation or completion of clinical trials, the allowance by FDA of the clinical use of CORVax12 and our next-generation APOLLO generator in this or any future clinical trials, and the usability of data generated from our trials may differ and may not meet our estimated timelines. Please refer to the risk factors and other cautionary statements provided in the Company's Annual Report on Form 10-K for the fiscal year ended July 31, 2019 and subsequent periodic and current reports filed with the SEC (each of which can be found at the SEC's website www.sec.gov), as well as other factors described from time to time in the Company's filings with the SEC.

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