

A Basket Trial Evaluating The Safety and Efficacy of Lerapolturev Alone and Lerapolturev in Combination With Anti-PD-1/L1 Checkpoint Inhibitors in Patients With Advanced Solid Tumors

LUMINOS-103

Key Eligibility Criteria Trial Information Participating Study Centers >18 Duke University Medical Center, Duke Cancer Center, Age ≥ 18 years ECOG PS 0 or 1 Durham, NC New York University Langone Health, New York, NY University of North Carolina Lineberger Cancer Center, Chapel Hill, NC FFPE tumor specimen from archival or fresh biopsy University of California San Francisco Medical Center, San Francisco, CA Carolina Urologic Research Center, Myrtle Beach, SC Henry Ford Health System, Detroit, MI Measurable lesion (per RECIST v1.1) amenable Li Li Li Li to injection Trial Registration Number: NCT04690699 Start Date: June 2021 Vaccination against PV and booster immunization Estimated Completion Date: June 2025 within 1 to 6 weeks of first lerapolturev dose **Objectives** No CNS metastases requiring radiation or steroid treatment within 2 weeks of first lerapolturev dose^a Primary objectives^a: Evaluate safety and tolerability No systemic immunosuppressives, major Evaluate anti-tumor response (phase 2 only) surgeries, or live vaccines within 4 weeks of first lerapolturev dose, and no radio, chemo, immuno, Secondary objectives^a: biological, investigational, or hormonal therapies Evaluate anti-tumor response within 3 weeks of first lerapolturev dose^b Assess viral shedding and immune response ^aLeptomeningeal disease is excluded. ^bExceptions allowed for immunosuppressive ^aUnless specified, all objectives are for both phase 1 and 2. therapy and adjuvant hormonal therapy for breast or prostate. LUMINOS-103 Study Design Phase 1: Safety Run-In Lerapolturev Solid Tumor Cancer of Interest^a (n=6 to 18) LUMINOS-103 ≥6 patients with the solid tumor of interest enrolled to assess frequency of DLTs after lerapolturev monotherapy ^aDetailed schedule of assessments will be provided in each solid tumor specific appendix. Study Endpoints^a **Primary endpoints: DSMC** Review AEs, AESIs of Safety Data Number of lerapolturev injections received ORR per RECIST v1.1 (phase 2 only) Secondary endpoints: ORR (phase 1 only); OS and PFS, DOR, CBR per RECIST v1.1 (phase 1 and 2) Phase 2: Lerapolturev + anti-PD-1/L1 Stool PV titers (n≈50) Assessment of changes from baseline in immune function and tumor biomarkers Lerapolturev + anti-PD-1/L1 therapy initiates after lerapolturev monotherapy dosing regimen is established in phase 1 and is

AE, adverse event; AESI, adverse event of special interest; CBR, clinical benefit rate; CNS, central nervous system; CTCAE, Common Terminology Criteria for Adverse Events; DOR, duration of response; DSMC, data safety monitoring committee; ECOG, Eastern Cooperative Oncology Group; FFPE, formalin-fixed paraffin-embedded; itRECIST, intratumoral immunotherapy Response Evaluation Criteria in Solid Tumors; NCI, National Cancer Institute; ORR, overall response rate; OS, overall survival; PD-1, programmed death receptor-1;

PD-L1, programmed death-ligand 1; PFS, progression-free survival; PS, performance status; PV, poliovirus; RECIST, Response Evaluation Criteria in Solid Tumors.

Exploratory endpoints:

- Assessment of genetic, cytologic, histologic, and/or other biomarkers
- ORR, DOR, CBR per itRECIST
- ^aUnless specified, all endpoints are for both phase 1 and 2.

For more information, email LUMINOS-103@istarioncology.com_or visit https://clinicaltrials.gov/ct2/show/NCT04690699. © 2021 Istari Oncology, Inc. v05/2021c

considered safe to proceed by DSMC