



AMPLIFY-7P: Phase 1 and randomized phase 2 study of amphiphile immunotherapy ELI-002 7P as adjuvant treatment for subjects with G12D, G12R, G12V, G12C, G12A, G12S and G13D Kirsten rat sarcoma (KRAS)-mutated pancreatic ductal adenocarcinoma (trial in progress)

Zev A. Wainberg¹, Vincent Chung², Craig E. Devoe³, Thomas George⁴, Esther Welkowsky⁵, Thian Kheoh⁵, Christopher Haqq⁵, Shubham Pant⁶, Eileen M. O'Reilly⁷

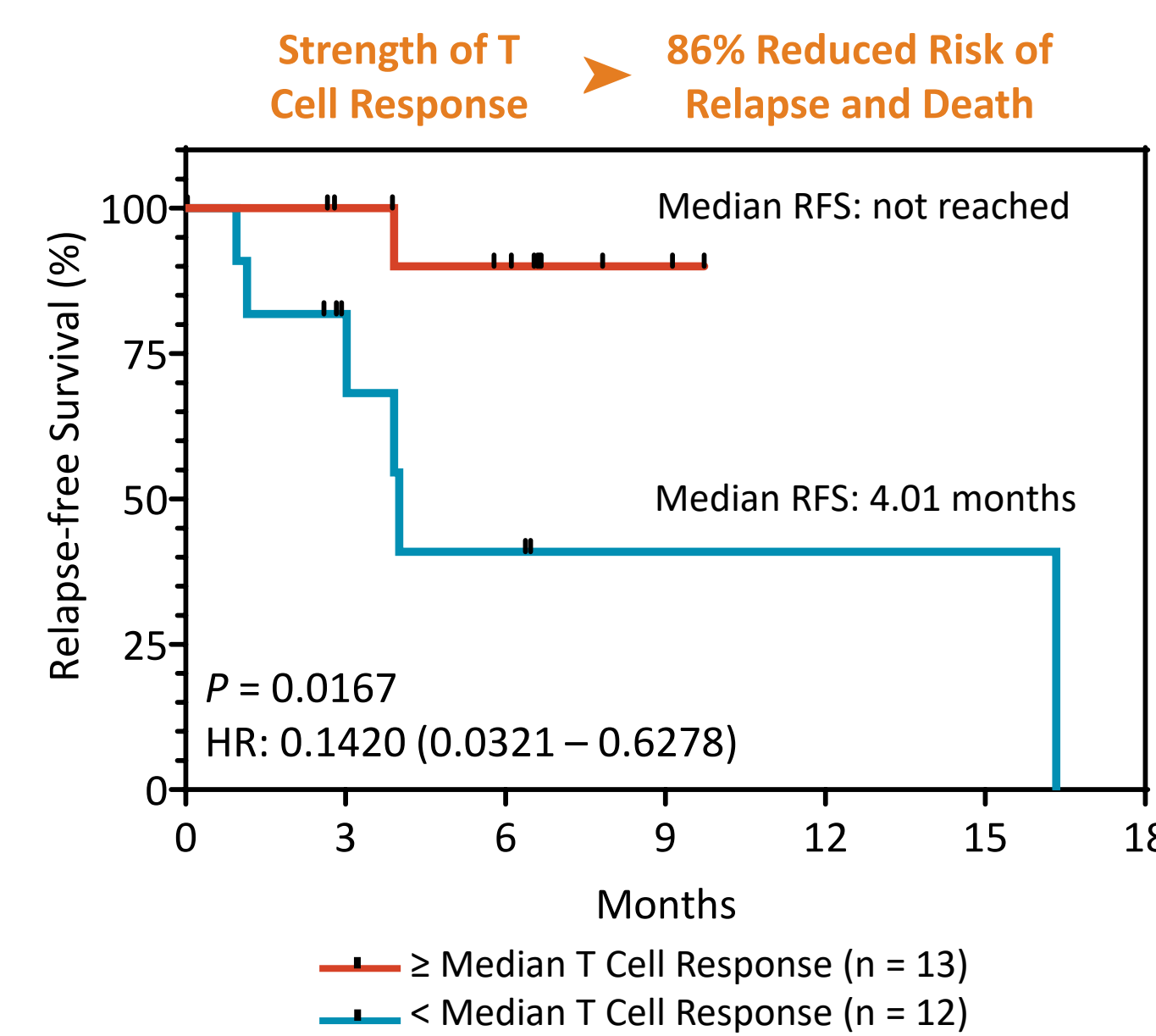
¹University of California, Los Angeles, Los Angeles, CA, ²City of Hope, Duarte, CA ³Northwell Health, Lake Success, NY ⁴University of Florida, Gainesville, FL ⁵Elicio Therapeutics, Boston, MA ⁶University of Texas, MD Anderson Cancer Center, Houston, TX ⁷Memorial Sloan Kettering Cancer Center, New York, NY

Background

- Mutations in the RAS oncogenes KRAS, NRAS and HRAS occur in approximately 25% of all solid tumors, G12D is the most common isoform
- KRAS-specific T cells have demonstrated objective antitumor activity in several studies in pancreas cancer¹.
- Amphiphiles (Amph) are a novel cancer vaccine technology that acts by "hitchhiking" on albumin to promote delivery into lymph node-resident antigen presenting cells

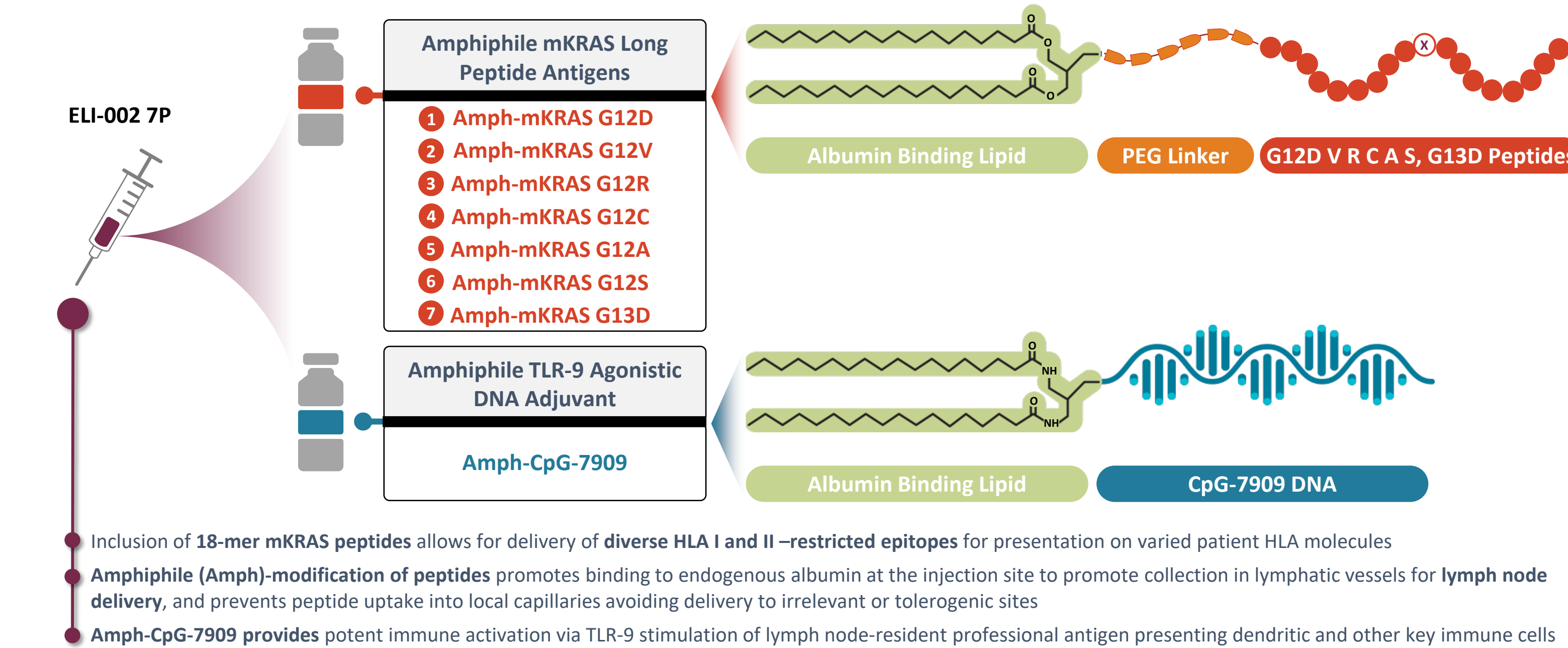
AMPLIFY-201 Phase 1 Study Results

- Phase 1 dose escalation of ELI-002 2P in pancreatic and colorectal cancer patients who had completed locoregional treatment but remained minimal residual disease (MRD) positive²⁻⁴ demonstrated safety and early signals of antitumor effect including:
 - Tumor biomarker reductions in 84% of patients; tumor biomarker clearance in 24% of patients
 - Direct ex vivo measured T cell responses in 84% of patients; 100% of patients at the recommended phase 2 dose
 - T cell responses correlated with clinical outcomes including biomarker reduction/clearance and RFS

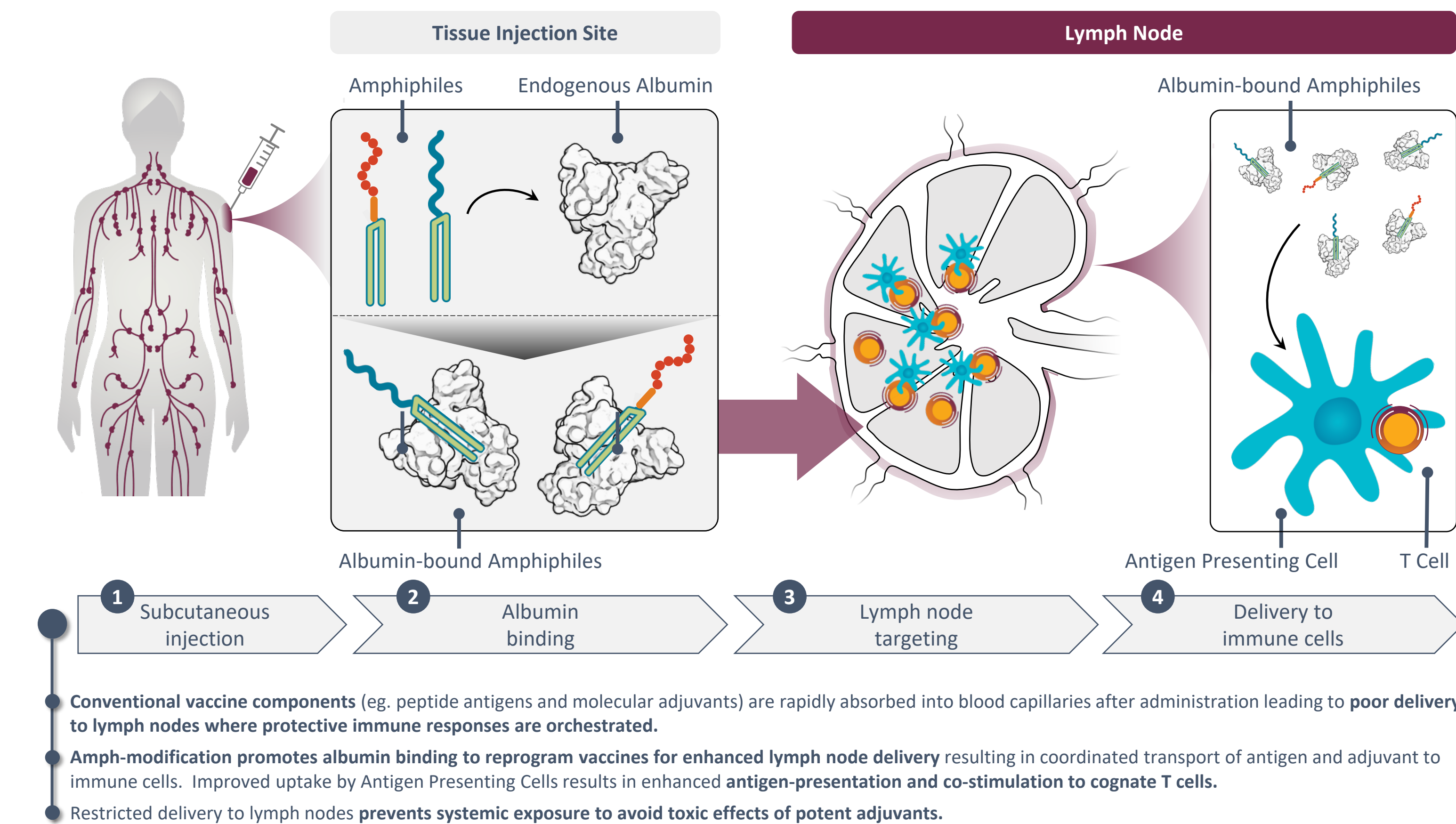


Pant, et al. Lymph Node Targeted, mKRAS-specific Amphiphile Vaccine in Pancreatic and Colorectal Cancer: The phase 1 AMPLIFY-201 Trial. *Nature Medicine*. 2024

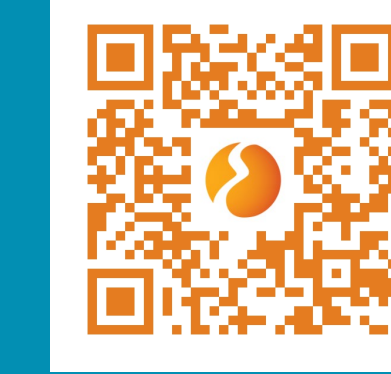
Designing a Therapeutic Vaccine Targeting mKRAS: ELI-002 7P



The Amphiphile Platform: Targeting the Lymph Nodes



The AMPLIFY 7P trial: Lymph node targeted vaccine ELI-002 7P in patients with RAS mutated pancreatic and colorectal tumors after locoregional treatment

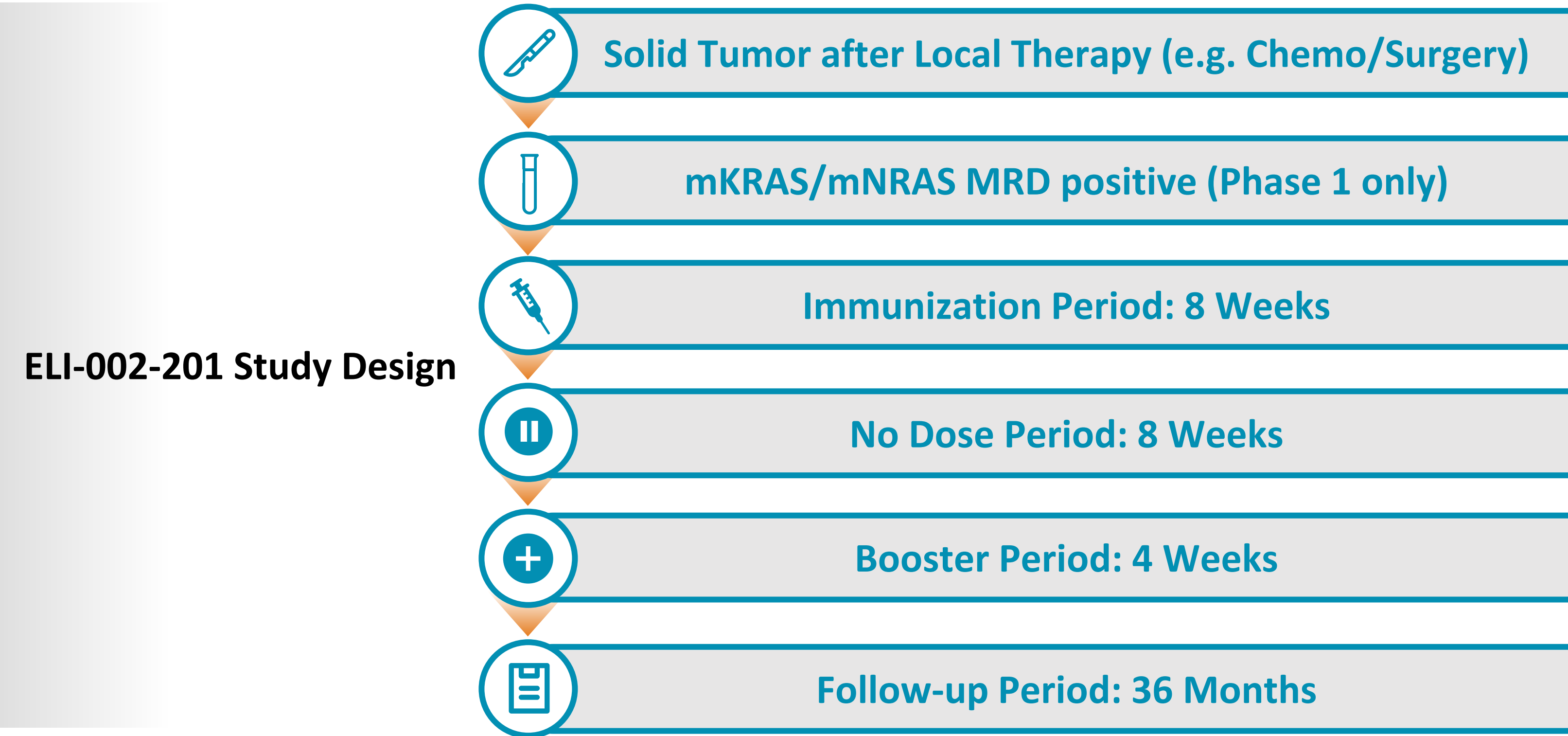
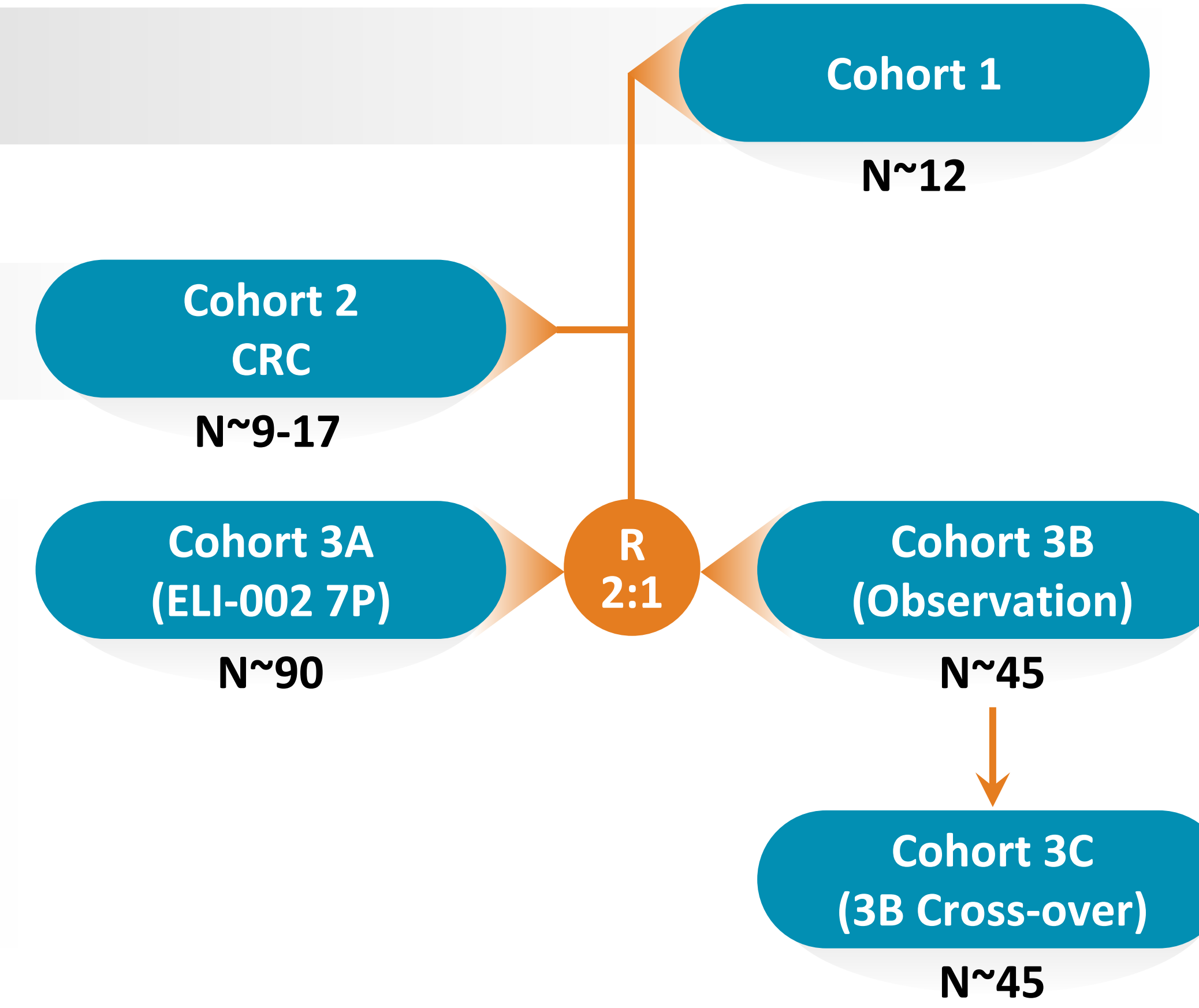


ELI-002-201 Cohort Schematic

Phase 1A
ELI-002 7P Safety Evaluation

Phase 1B
Dose Expansion

Phase 2
PDAC Randomized



Key Inclusion / Exclusion Criteria

1 Inclusion Criteria

- KRAS mutation G12D, G12V, G12R, G12C, G12A, G12S or G13D
- Phase 1 only: MRD positive (ctDNA, CA19-9, CEA)
- PDAC: Up front resectable stage I, II, or III pancreatic adenocarcinoma within 6 months following completion of locoregional treatment with or without radiation, R0/R1 surgery, radiographic NED
- CRC: stage II (T4NO), III, or oligometastatic stage IV following completion of locoregional treatment, R0/R1 surgery, radiographic NED
- Absolute Lymphocyte Count $\geq 1.0 \times 10^9/L$ (or pre-chemo baseline)
- ECOG 0 or 1

2 Exclusion Criteria

- Previous ELI-002 or cancer vaccine
- Use of immunosuppressive drugs

Hypotheses

- Immunotherapy is anticipated to succeed in the adjuvant setting since the trafficking of T cells into tumor and the ratio of effector T cells to target tumor cells may be enhanced prior to visible disease
- Phase 1: ELI-002 7P is safe and leads to tumor biomarker reduction in $\geq 30\%$ of patients
- Phase 2: ELI-002 7P prolongs Disease Free Survival vs Standard of Care (Observation)

Study Design

- Phase 1 patients received fixed 10.0 mg doses of AMP-CpG adjuvant at one of two AMP-Peptides 7P dose levels (1.4 mg or 4.9 mg)
- Phase 2 patients are randomized 2:1 to receive the RP2D (10.0 mg AMP-CpG with 4.9 mg AMP-peptides 7P) or to observation
- Phase 2 crossover at confirmed radiographic disease progression (iRECIST)

1 Primary and Secondary Endpoints

- Primary: Disease free survival per investigator (iRECIST)
- Secondary: Evaluate biomarker reduction and clearance compared to baseline Median overall survival (OS) Assess safety ORR (objective response rate) per iRECIST (in cross-over cohort) Exploratory: Immunogenicity of ELI-002 7P compared to baseline

2 Treatment

- Immunization Period: 6 ELI-002 7P doses
- Booster Period (2 months after Immunization Period): 4 additional ELI-002 7P doses
- Follow up continues x 36 months

3 Statistics

- Phase 2 interim analysis using group sequential design for control of overall alpha 0.10

4 Biomarker Evaluations

- ctDNA and serum tumor biomarker
- Apheresis for T cells - mechanism of action biomarkers
- High Resolution HLA typing

STUDY INFORMATION

- Status: Phase 2 Recruiting
- Phase 1A has been completed with no dose-limiting toxicities
- An IDMC reviewed Phase 1A and opened Phase 2 (PDAC) to enrollment
- Phase 1B (Colorectal) is planned (currently not active)
- ClinicalTrials.gov: NCT05726864

References

- Tran, et al., *NEJM*. 2016
- O'Reilly et al., *ASCO 2023 Annual Meeting*. 2023: Abstract 2528
- Wainberg et al., *AACR Special Conference on Pancreatic Cancer*. 2023: Abstract C092
- Pant et al. *Nature Medicine*. 2024



Funding

