

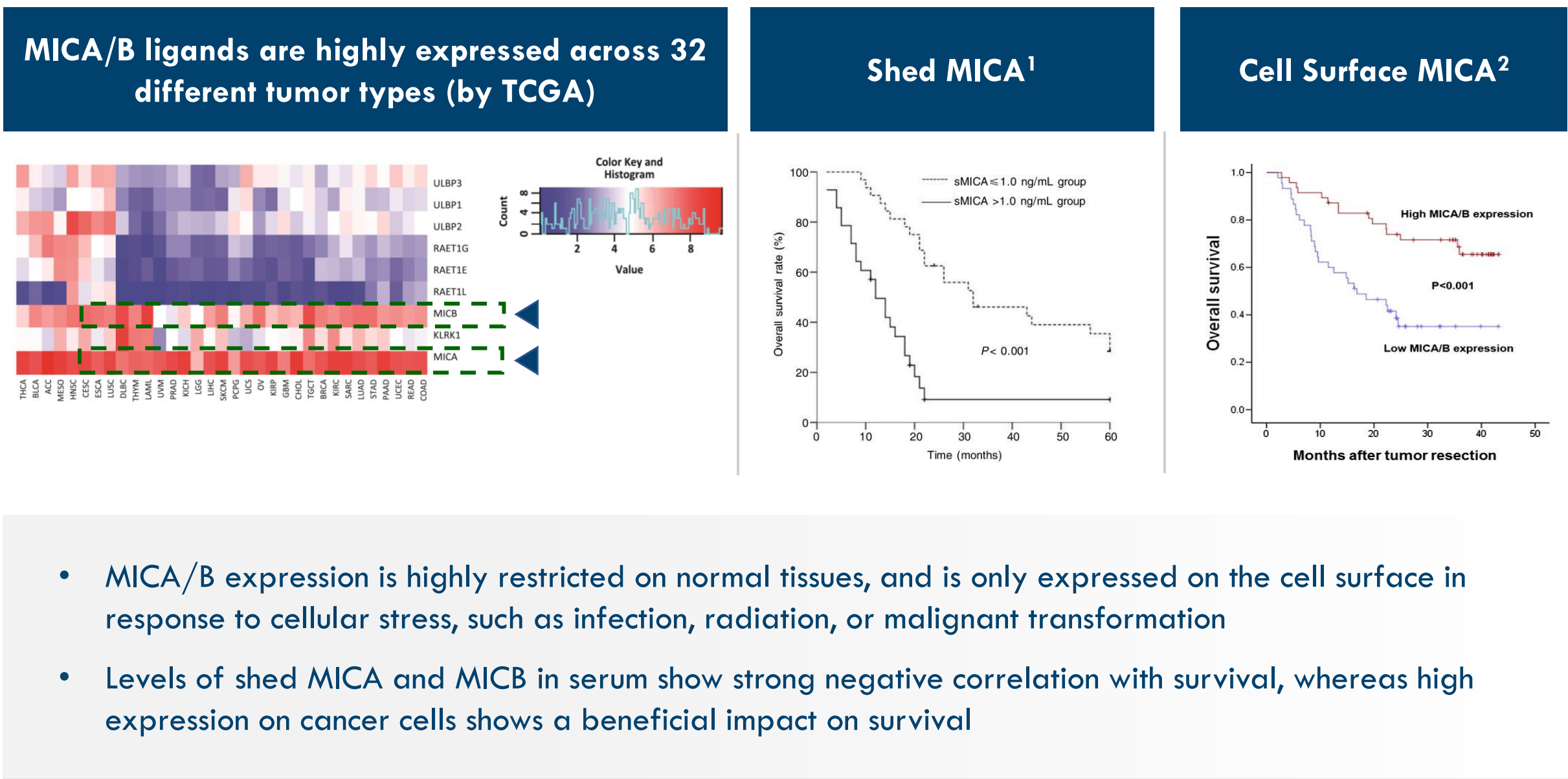
A Phase 1 Dose-Escalation Study to Investigate the Safety, Efficacy, Pharmacokinetics, and Pharmacodynamic Activity of CLN-619 (Anti-MICA/MICB Antibody) Alone and in Combination with Pembrolizumab in Patients with Advanced Solid Tumors



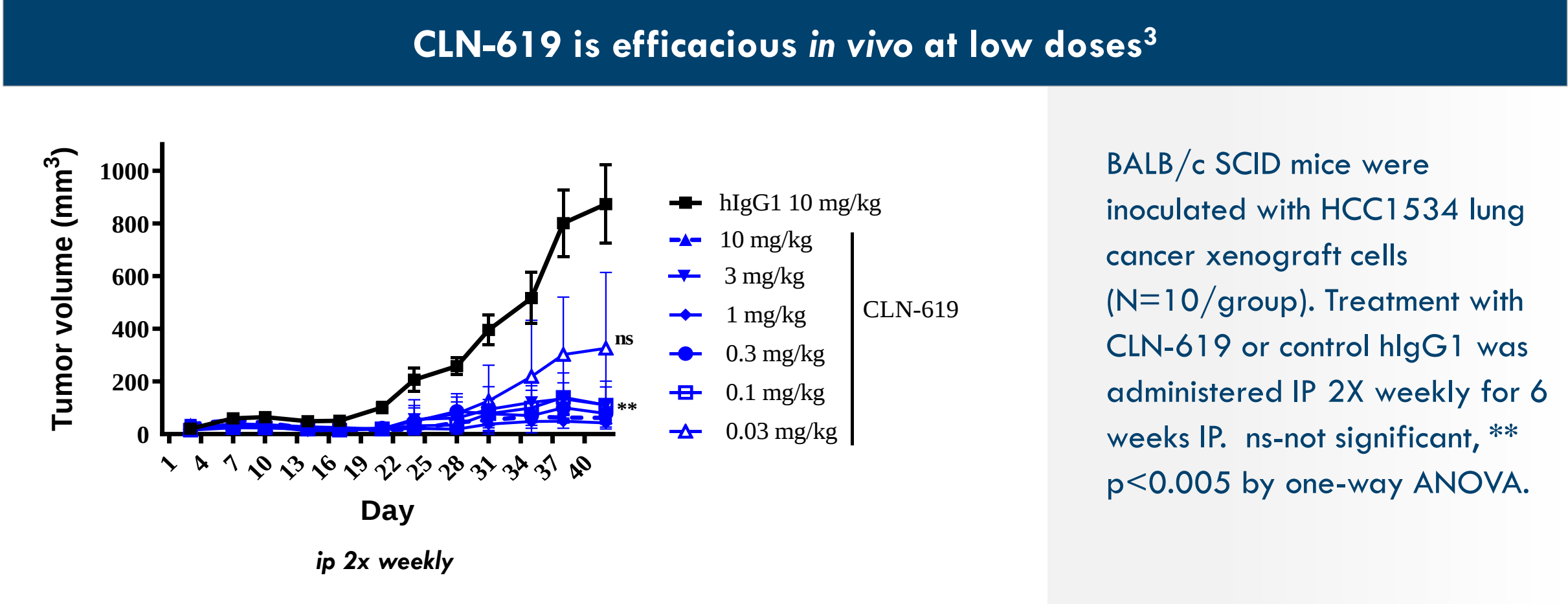
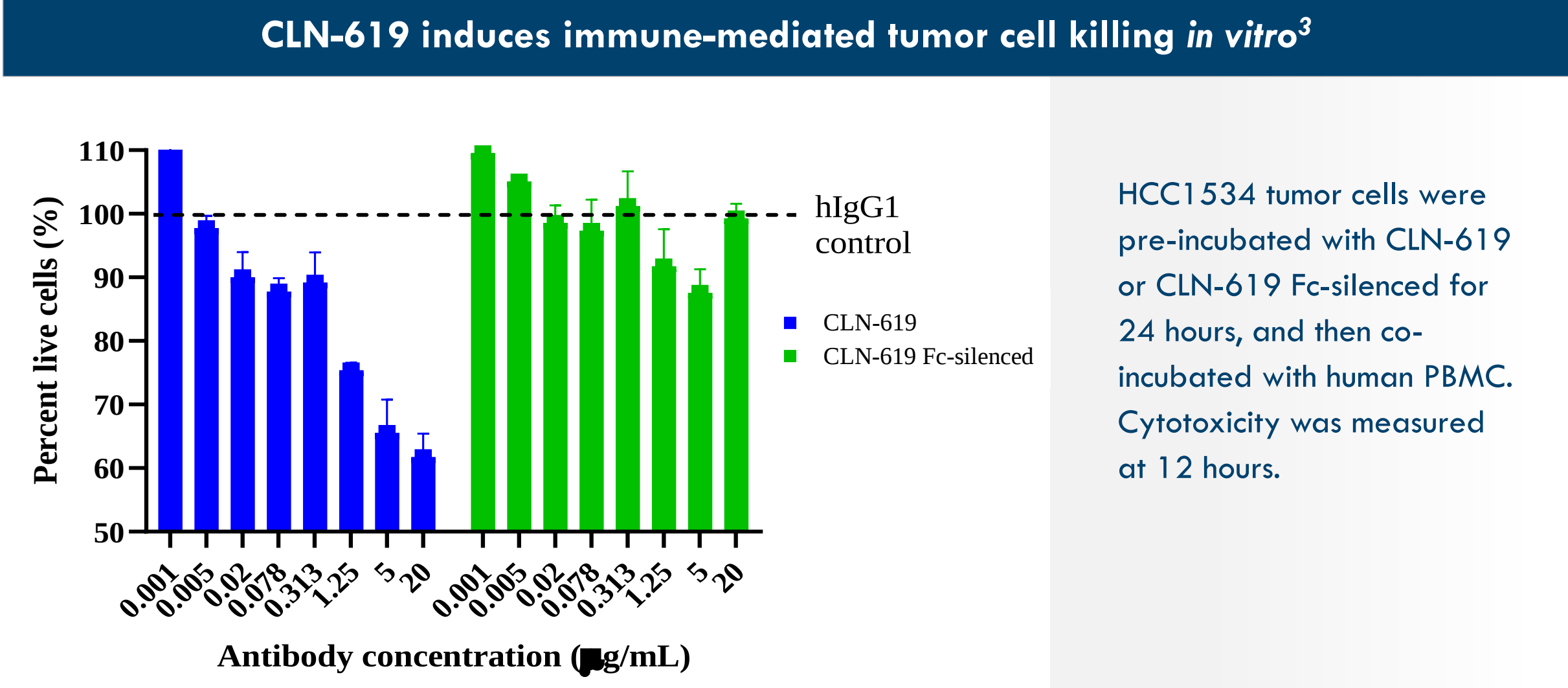
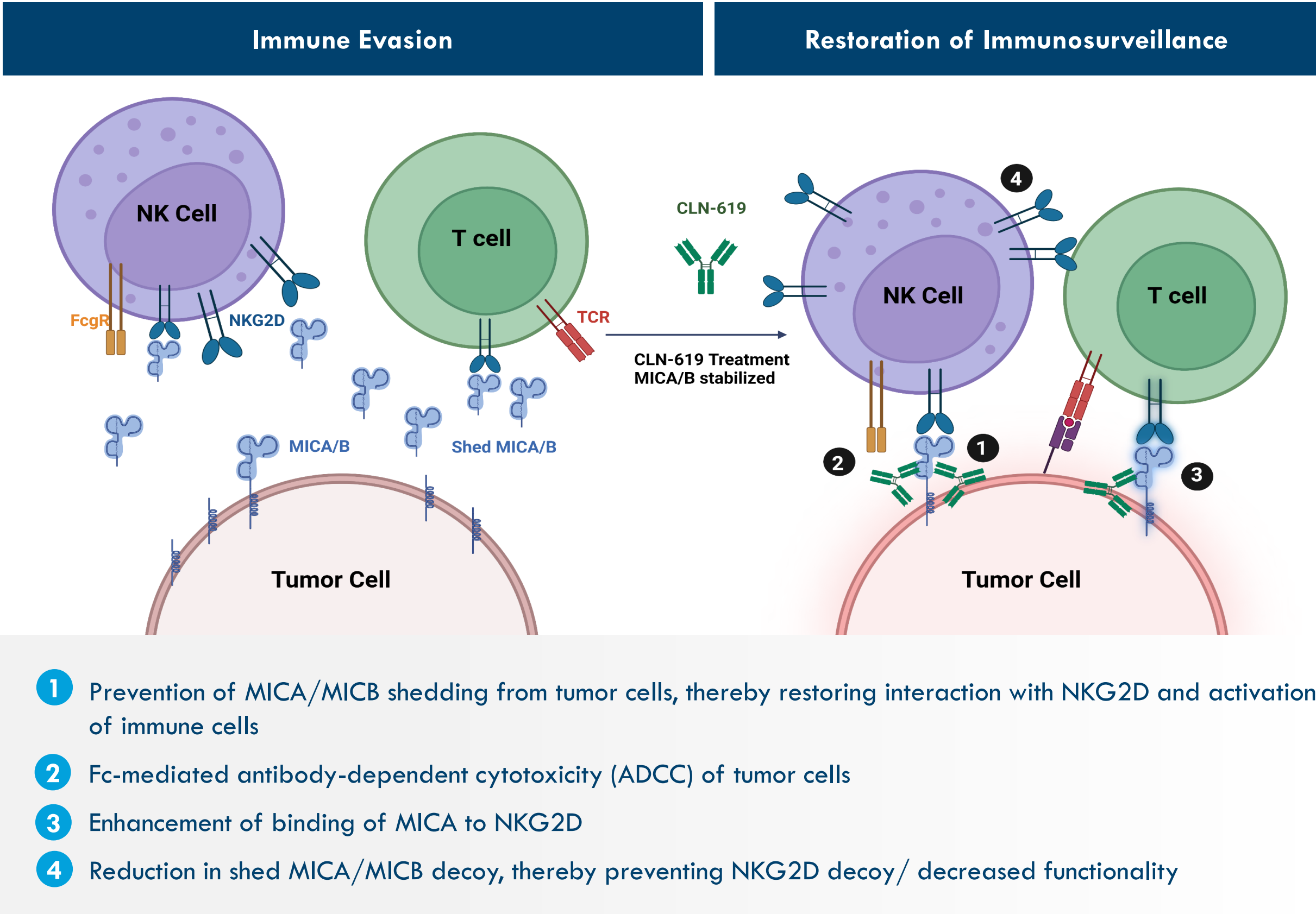
Powderly J¹, Gutierrez M², Wang JS³, Hamilton E⁴, Sharma MR⁵, Spira A⁶, Millward M⁷, Shackleton M⁸, Frentzas S⁹, Koczywas M¹⁰, Mehta NK,¹¹ Christensen A¹¹ Shapiro IM¹¹, Whalen KA¹¹, Michaelson JS¹¹, Bauerle PA¹¹, Janik JE¹¹, Rasco DW¹²

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Background: MICA/MICB are Pan-Cancer Targets



Background: CLN-619 Proposed Modes of Action



Study Information

- Protocol Number: CLN-619-001
 - Status: Recruiting; monotherapy dose escalation ongoing
- ClinicalTrials.gov Identifier: NCT05117476
 - Contact: Timna Serino clinops@cullinanoncology.com

References

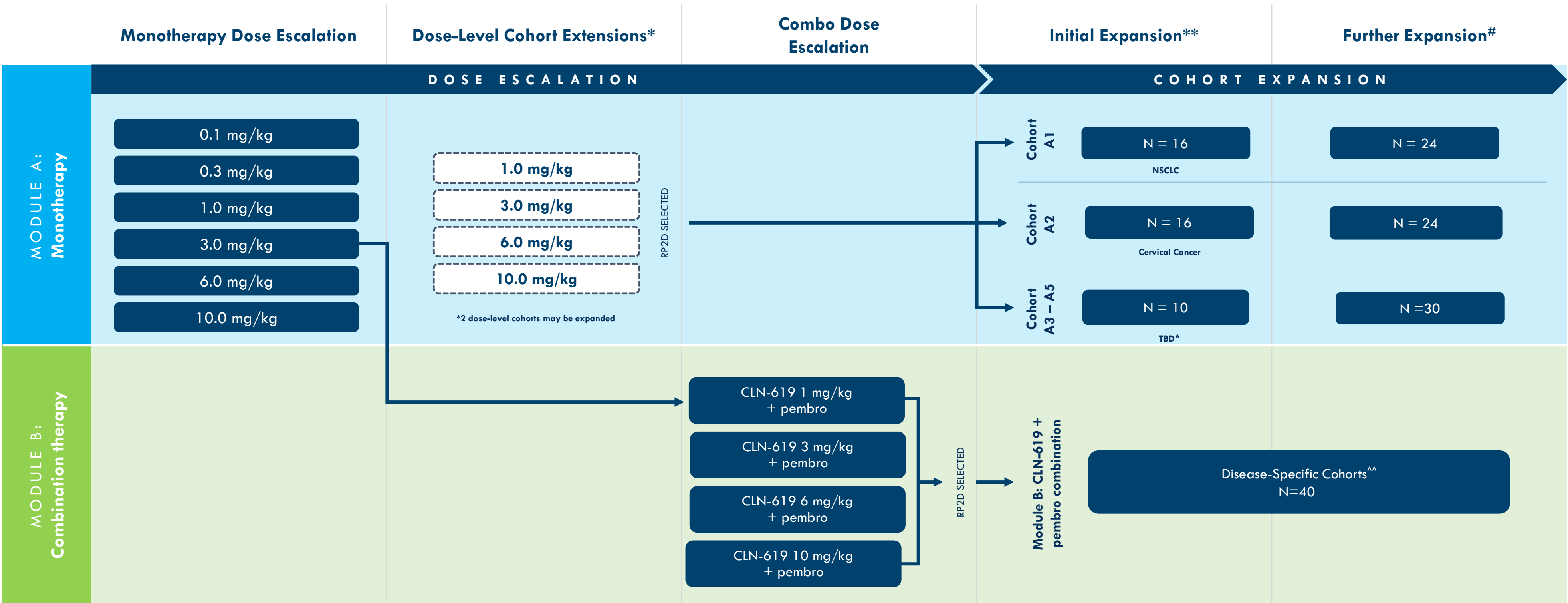
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CLN-619-001 Study Schema

This is an open label, first-in-human, multicenter, dose escalation and dose expansion study of CLN-619 administered alone (Module A) or in combination with pembrolizumab (Module B) in patients with advanced solid tumors.



¹Enrollment may be extended in up to two dose-level cohorts (total N = 16) that have been cleared for safety; ²Initial disease-specific expansion cohorts N = up to 16 per dose level; ³Further expansion dependent on efficacy signal or other emerging data; ⁴Disease-specific cohorts TBD based on emerging data from Module A dose escalation; ⁵Disease-specific cohorts TBD

Study Objectives

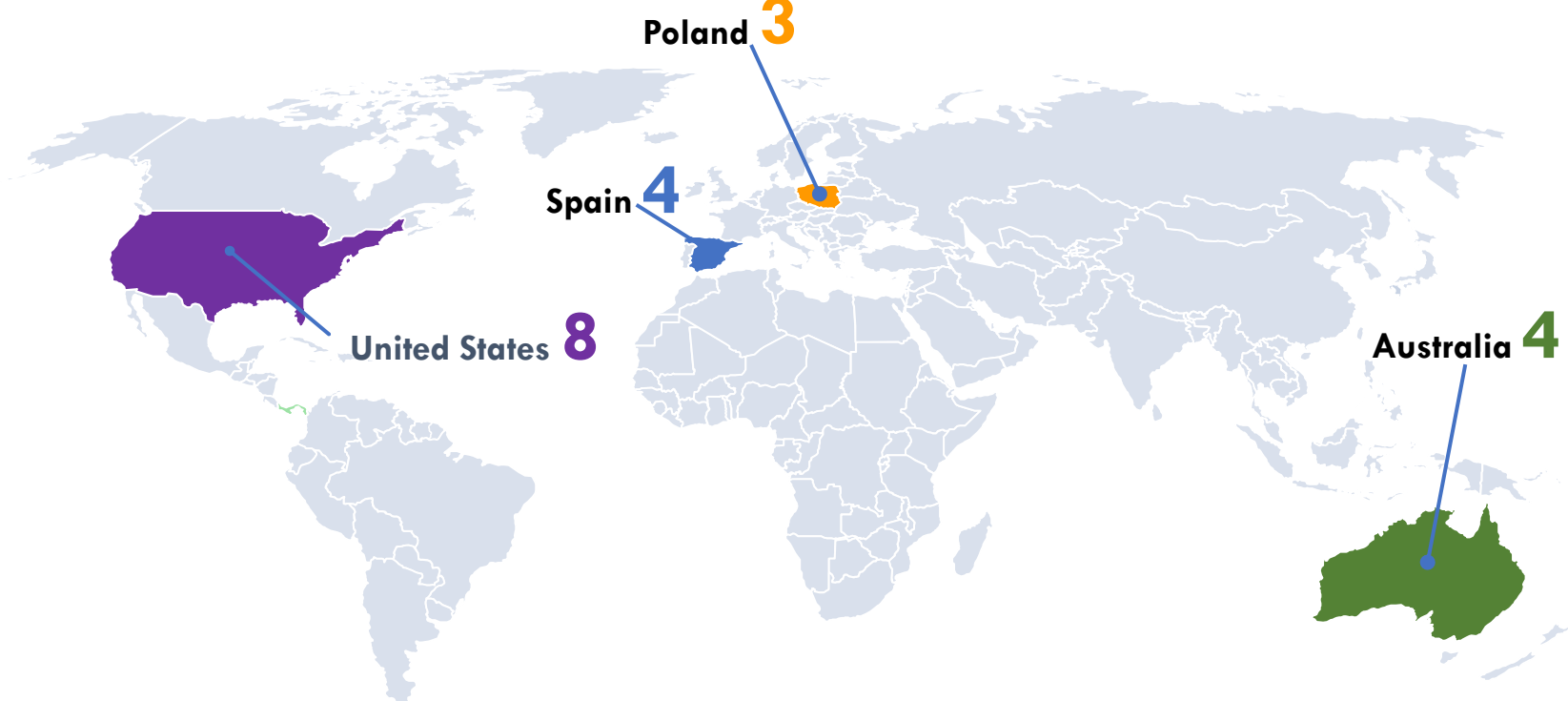
- Primary Objectives:**

To characterize the safety, tolerability, and preliminary anti-tumor activity of CLN-619 administered alone (Module A) or in combination with pembrolizumab (Module B) in patients with advanced solid tumors
- Secondary Objectives:**

To assess the PK profile and immunogenicity of CLN-619 administered alone or in combination with pembrolizumab in patients with advanced solid tumors
- Exploratory Objectives:**

To explore various PK, pharmacodynamic, and predictive biomarkers and their relationship to measures of clinical anti-tumor activity including overall response rate (ORR), duration of response (DOR), progression-free (PFS) and overall survival (OS) in patients treated with CLN-619 alone or in combination with pembrolizumab

Global Site Footprint



Key Eligibility Criteria

Inclusion Criteria	Exclusion Criteria
- Age >= 18 years - ECOG 0 or 1 - Estimated life expectancy >=12 weeks - Adequate liver and kidney function and hematological parameters - Dose Escalation Cohorts: Histologically or cytologically-confirmed metastatic or locally advanced, unresectable solid tumors - Module A Expansion Cohorts - All: Patients should have received any other available standard therapy - Measurable disease based on RECIST v1.1 - A1: Histologically or locally advanced, unresectable NSCLC - Progressed on/after prior treatment with checkpoint inhibitor-containing regimen and/or an approved therapy for epidermal growth factor receptor (EGFR) or anaplastic lymphoma kinase (ALK) genomic tumor aberrations if present. - A2: Histologically or cytologically-confirmed metastatic or locally advanced, unresectable cervical cancer - Module B Expansion Cohorts - All patients should have received any other available standard therapy - Measurable disease based on RECIST v1.1	- Investigational drug within 28 days (or 5 half-lives) of dosing on C1D1 - Active autoimmune disease or history of known/suspected autoimmune disease, or history of a syndrome that requires systemic corticosteroids or immunosuppressive medications - Serious, uncontrolled medical disorder that would impair the ability of the patient to receive protocol therapy or whose control may be jeopardized by the complications of this therapy - Treatment with systemic antimicrobial agent for acute infection within <= 7 days of dosing on C1D1 - Prior organ allograft or allogeneic hematopoietic transplantation - Active CNS metastases and/or carcinomatous meningitis - History of grade >= 3 immunological adverse event or liver dysfunction satisfying Hy's Law in conjunction with prior checkpoint inhibitor immunotherapy

Exploratory Biomarker Plan

Pharmacodynamic and Predictive Biomarker Analysis in the tumor and at the periphery

