

IHI Call Days | Call 9

Therapeutic anti-CDH17 & anti-IL13Ra2 monoclonal antibodies for cancer therapy

(colorectal, gastric, glioblastoma, neuroendocrine...)

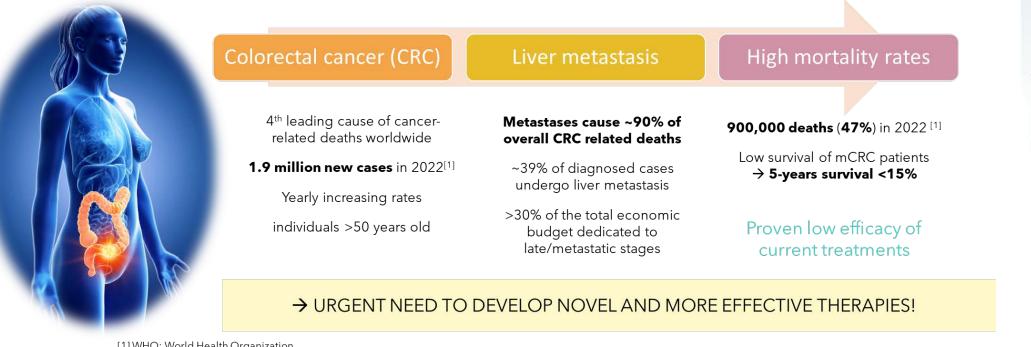
Contact person name: Juan Ignacio Imbaud - CEO Organisation: **PROTEIN ALTERNATIVES (SPAIN)** Member of IHI industry partner: No E-mail: jimbaud@proteinalternatives.com Link to the IHI brokerage platform →





Challenges and objectives

• Problem to address: Metastatic colorectal cancer: an unmet need



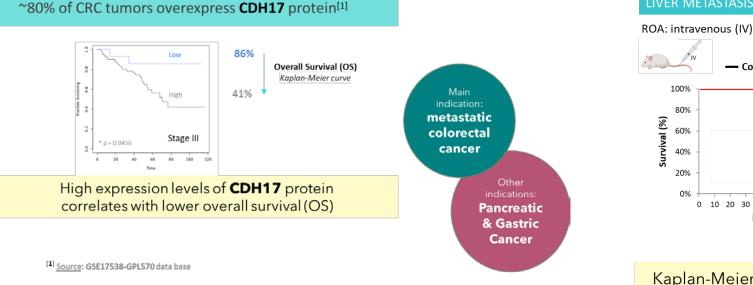
innovative health

[1] WHO: World Health Organization

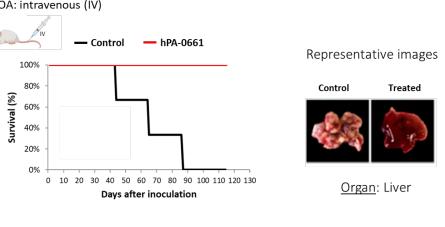
IHI specific objective being addressed: Objective #2. Improved treatments and management of diseases

Proposed solution #1

• PA-661 (anti-CDH17) first-in-class monoclonal antibody



LIVER METASTASIS MOUSE MODEL BY INTRASPLENIC INJECTION



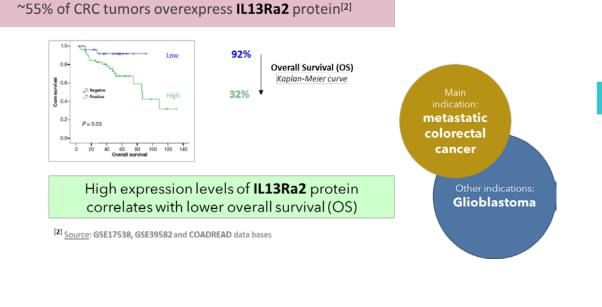
Kaplan-Meier analysis indicated survival of all treated animals



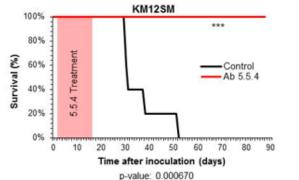
Target patient: well differentiated and moderately differentiated epithelial tumors ('cold' tumors).

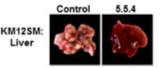
Proposed solution #2 (complimentary to #1)

• PA-554 (anti-IL13Ra2) first-in-class monoclonal antibody



LIVER METASTASIS MOUSE MODEL BY INTRASPLENIC INJECTION





Target patient: poorly differentiated tumors (immune cell infiltration in the tumor microenvironment; 'hot' tumors)



Project suitability for IHI call 9

• Health innovation

Need of a public-private collaboration to develop highly effective new therapies.

• Contribution from industry

Need of collaboration and/or support of key health industry players (pharma, biotech, *in vivo* models, radiotherapy, medical imaging) to develop anti-CDH17 and/or anti-IL13Ra2-based biological drugs with the final goal of providing clinicians with improved treatments solutions for highly aggressive tumors like:

- Metastatic Colorectal Cancer (mCRC)
- o Glioblastoma (GBM)
- o Gastric cancer
- Neuroendocrine (pancreatic cancer)



Expected Outcomes and Impact

Expect Tx product pipeline and impacts:
 anti-CDH17 (PA-661)
 anti-IL13Ra2 (PA-554)

Contribution from IHI partners:

Antibody Drug Conjugates (ADC) Radioligands (Lutetium; Lu¹⁷⁷) Bispecific

- Integration into the healthcare system:
 Pharma partner recommended
- Contribution to strengthen EU competitiveness: Biological drugs = High added value products (e.g.: the Ozempic effect in Denmark)
- Expected benefits for patients:

Novel and highly efficacious medicines ightarrow improve Overall Survival (OS) rates

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Expertise and resources



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Partner seeking for a consortium / coordinator

- We have:
 - Therapeutic drugs: PA-661 (anti-CDH17) & PA-554 (anti-IL13Ra2) monoclonal antibodies in preclinical stage.
 - Network of collaborators (academic, hospitals, CDMOs...) in Spain and EU.
 - Experience in previous EU projects: Eurostars, SME Instrument...

• We are looking for:

- Collaboration with Pharma partners to:
- (1) Conduct preclinical and clinical trials of PA-661 & PA-554 (alone or in combination)
- (2) To co-develop 2nd generation products from PA-661 and PA-554 like ADCs, radiopharmaceuticals, bispecifics...

In-kind contributions (IKOP* and IKAA**): NO

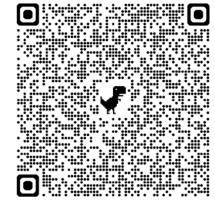


Thanks!



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