

## Safe Harbour Statement

The following presentation may include predictions, estimates or other information that might be considered forward-looking. The statements regarding the surrounding world and future circumstances in this presentation reflect Cantargia's current thinking with respect to future events and financial performance. Prospective statements only express the assessments and assumptions the company makes at the time of the presentation. These statements are well-considered, but the audience should note that, as with all prospective assessments, they are associated with risks and uncertainties.

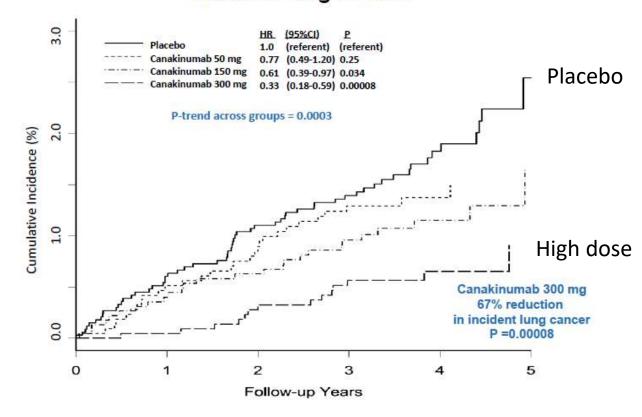


## CANTOS IL-1ß blockade - Recent strong clinical data

#### **CANTOS** trial

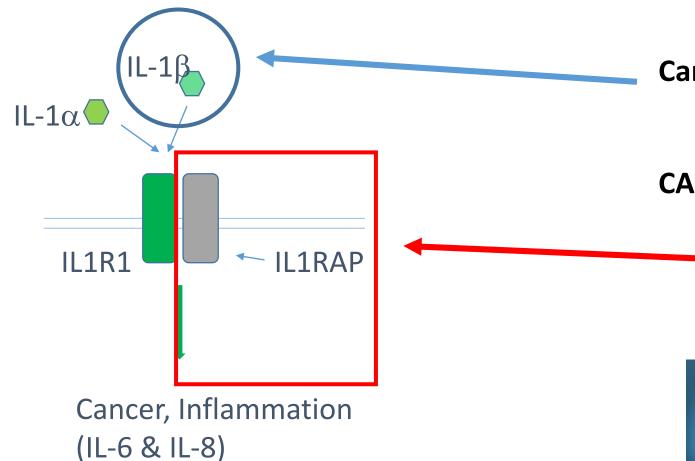
- Canakinumab (Novartis)
- 10 061 patients
- Designed to reduce cardiovascular events in patients with previous myocardial infarction
- Reduced lung cancer incidence by 67 % and death by 77 %.
- Clinical validation of IL-1 pathway
- Novartis to start 3 phase trials in **NSCLC**
- Cantargia's CAN04 has higher potential than Canakinumab

#### CANTOS: Additional Non-Cardiovascular Clinical Benefits Incident Lung Cancer





## CAN04 vs Canakinumab

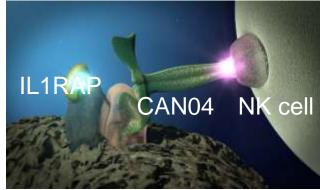


#### **Canakinumab**

 Antibody directed against one of the two IL-1 ligands, IL-1β

#### **CAN04:**

- Binds the common signaling receptor and counteracts both ligands
- Induce killing via the immune system (ADCC)

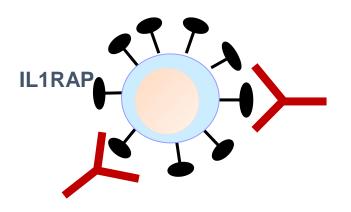


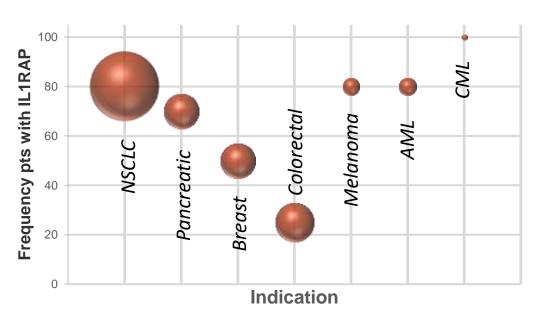
## Medical need and IL1RAP

#### Normal cell



#### Cancer cell





- Based on in house data, external data, medical need and market size, NSCLC and pancreatic cancer are primary indications.
- Biomarker studies ongoing, to identify patients most likely to respond
- Low levels of IL1RAP in normal tissue (analyzed following FDA and EMA guidelines)



## Cantargia at a glance

- Specialized in antibody therapy/immunology, with initial focus on oncology
- Granted IP around therapeutic target and drug candidate
- Lead antibody CAN04 in clinical development
- Strong management team with proven track record in clinical development and business development
- IPO March 2015 (Nasdaq First North, Stockholm), preparations for listing on main market ongoing
- More than 3000 shareholders
- Based in Lund, Sweden
- New share issue of 232 MSEK Dec 15 2017

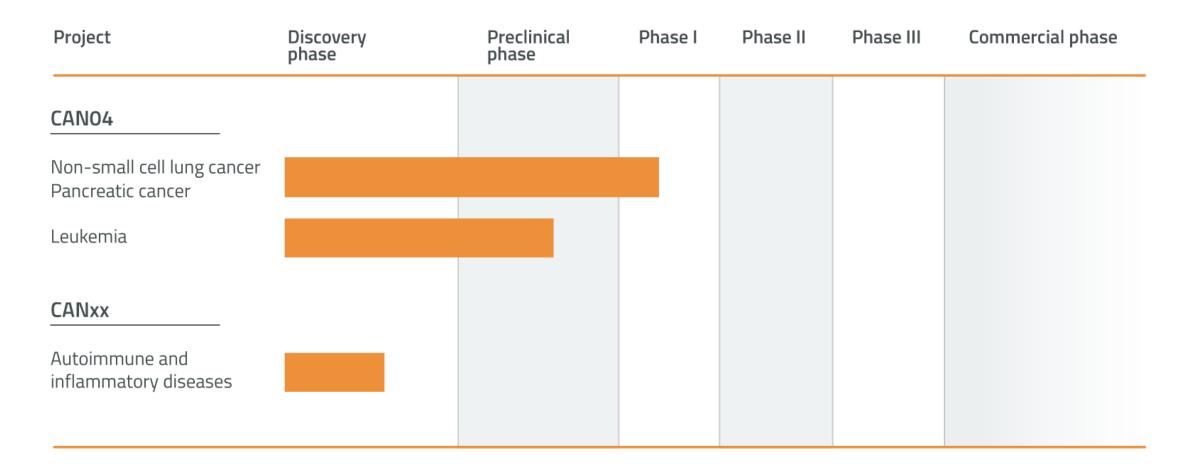
#### **Financial highlights**

- Share price: 7.60 SEK (0.92 USD), Mar 9, 2018
- Market cap: 503 MSEK (61.0 MUSD), Mar 9, 2018
- Cash: 269.8 MSEK (32.7 MUSD), Dec 31 2017

Current owners (Mar 2, 2018)	
Sunstone	9.0%
1st AP fund	6.9%
Avanza Pension	6.4%
4th AP fund	4.2%
SEB S.A. clients	3.4%
2nd AP fund	3.3%
Tibia konsult	2.1%
Mats Invest AB	2.0%
Kudu AB	1.9 %
Brushamn Invest	1.9%
Nordnet Pension	1.6%
SHB Pharm Fund	1.5%
Others	55.9%



## Cantargia pipeline



## Tumor inflammation – key to cancer progression

**Enablers** 

Genomic instability and mutation (2000)



Tumor-promoting inflammation (2011)

Deregulating cellular energetics

Sustaining proliferative signaling

**Evading growth suppressors** 

**Resisting cell death** 

**Enabling replicative immortality** 

**Inducing angiogenesis** 

Activating invasion and metastasis

**Avoiding immune destruction** 

The inflammatory cytokine IL-1 – Well established role in cancer progression:

Cancer hallmarks

#### **Tumor cells**

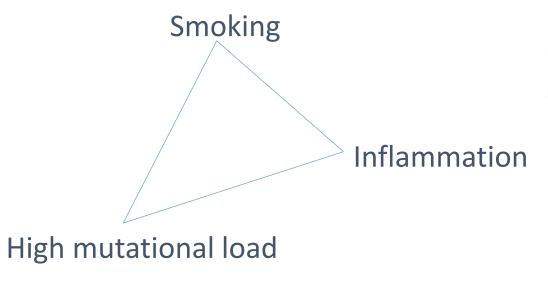
- Signaling/proliferation of cancer cells
- Chemoresistance

#### Tumor microenvironment

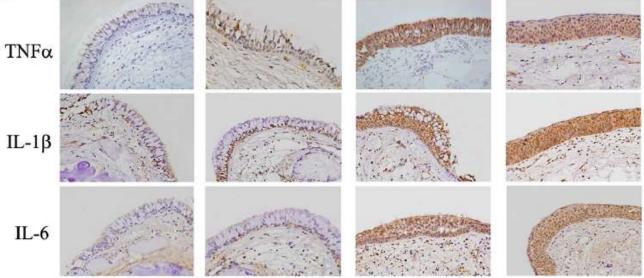
- Metastasis
- Crosstalk between tumor cells and stroma
- Inflammation and local suppression of the immune system



## Non-small cell lung cancer (NSCLC)



Inflammation drives metaplasia and is a hallmark of active lung cancer

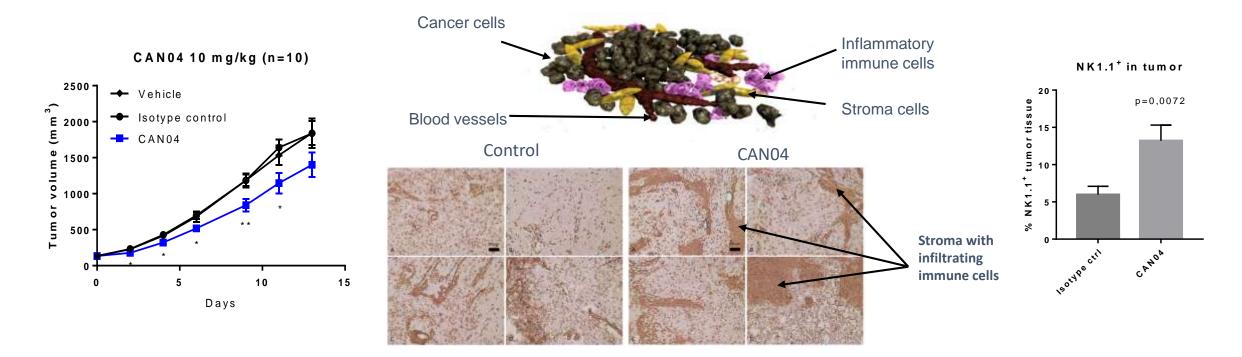


Normal ......Cancer

Herfs et.al, Proinflammatory Cytokines Induce Bronchial Hyperplasia and Squamous Metaplasia in Smokers, Am J Respir Cell Mol Biol 2012



## CAN04 - immuno-oncology mechanism with antitumor effect



- Antitumor effects in NSCLC PDX models
- CAN04 stimulates immune cells to infiltrate tumor



## Cantargia - Press release March 15, 2018

# Cantargia presents new data at AACR on inhibition of metastasis by antibodies against IL1RAP.

Cantargia AB ("Cantargia") today announces that data on the anti-metastatic properties of an antibody against interleukin 1 receptor accessory protein (IL1RAP) has been selected for poster presentation at the 2018 Annual Meeting of the American Association for Cancer Research, April 14-18 in Chicago.

The poster "Antibody blockade of IL1RAP signaling reduces metastasis in a breast cancer model" by David Liberg, Per-Ola Önnervik, Matteo Riva, Liselotte Larsson, Göran Forsberg and Karin von Wachenfeldt will be presented at 08.00 local time on April 16, 2018 in the session "Therapeutic Antibodies, Including Engineered Antibodies 1". The abstract is available at <a href="https://www.abstractsonline.com/pp8/#!/4562/presentation/8455">www.abstractsonline.com/pp8/#!/4562/presentation/8455</a>. The data show that targeting of IL1RAP with an antibody can, in addition to induce killing of tumor cells and blocking their response to IL-1, also inhibit metastasis by affecting the tumor microenvironment. In parallel to the presentation, the poster will also be published on <a href="https://www.cantargia.com">www.cantargia.com</a>.



## Inflammation and metastasis

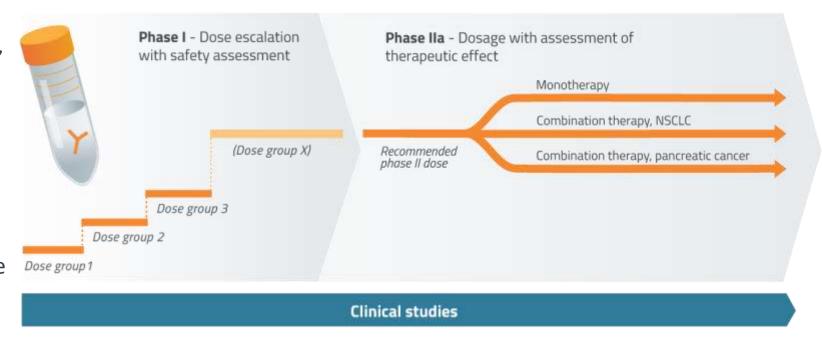
- Cancer cells (seeds) needs a good soil to form a metastasis
- The IL-1 system (inflammation) can provide such environment (soil)
- Cantargia antibody block metastases (to be presented at American Association of Cancer Research April 16)





## CANO4 – CANFOUR clinical trial

- Phase I/IIa trial NSCLC and pancreatic cancer
  - Recruitment in Norway, Denmark Netherlands and Belgium
  - Well renowned centres (Jules Bordet, Brussels; Erasmus Rotterdam, NKI, Amsterdam; Rigshospitalet, Copenhagen; Radiumhospitalet, Oslo)
  - Dose group 1, safety evaluation completed
  - Phase I: carried out in NSCLC, pancreatic cancer, colon cancer, triple negative breast cancer
  - Phase IIa: focused on NSCLC and pancreatic cancer
    - Monotherapy
    - Combination with existing therapy



Summer 2018 End 2019

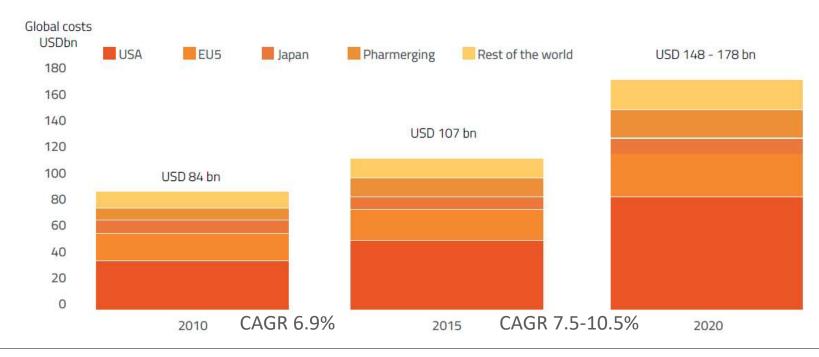


## Significant value inflection points ahead

#### 2018

- Preclinical data on combination therapy
- Clinical progress
- Preclinical studies
- Phase I clinical data (summer 2018)
- Initiation of Phase IIa portion of the clinical trial (summer 2018)
- US regulatory and clinical strategy
- Application for listing on main market

# Lead project CAN04 in the highest growth segment— Oncology antibodies



World's most sold cancer drugs are antibodies 2017 (2016)

Immuno-oncology driving market growth 2017 (2016)

 Rituxan/MabThera
 \$7.87bn
 (\$8.58bn)

 Avastin
 \$7.13bn
 (\$6.75bn)

 Herceptin
 \$7.47bn
 (\$6.75bn)

Opdivo \$4.95bn (\$3.77bn) Keytruda \$3.81bn (\$1.40bn)

## Why invest in Cantargia?

- Focus on immuno-oncology the strongest growing pharmaceutical segment
  - Taking advantage of established antibody technology to design novel pharmaceuticals
- Lead candidate antibody CAN04 with double mechanism of action in clinical trial with multiple value inflection points 2018-2019
  - Initial development in NSCLC and pancreatic cancer (cancer forms with poor prognosis)
  - Direct effects on tumor cells and tumor microenvironment
  - Recent external validation of pathway
- Second generation antibodies for autoimmune disease
- Unique and strong IP
- Strong lead investors with high competence and well known track record
  - Funding through phase IIa until mid 2020.
- Preparations for listing on main market

