



We want to save patients with severe cancer and autoimmune diseases  
*Entering clinical phase with our lead antibody CAN04 to our proprietary target*

Göran Forsberg, CEO

# Safe Harbour Statement

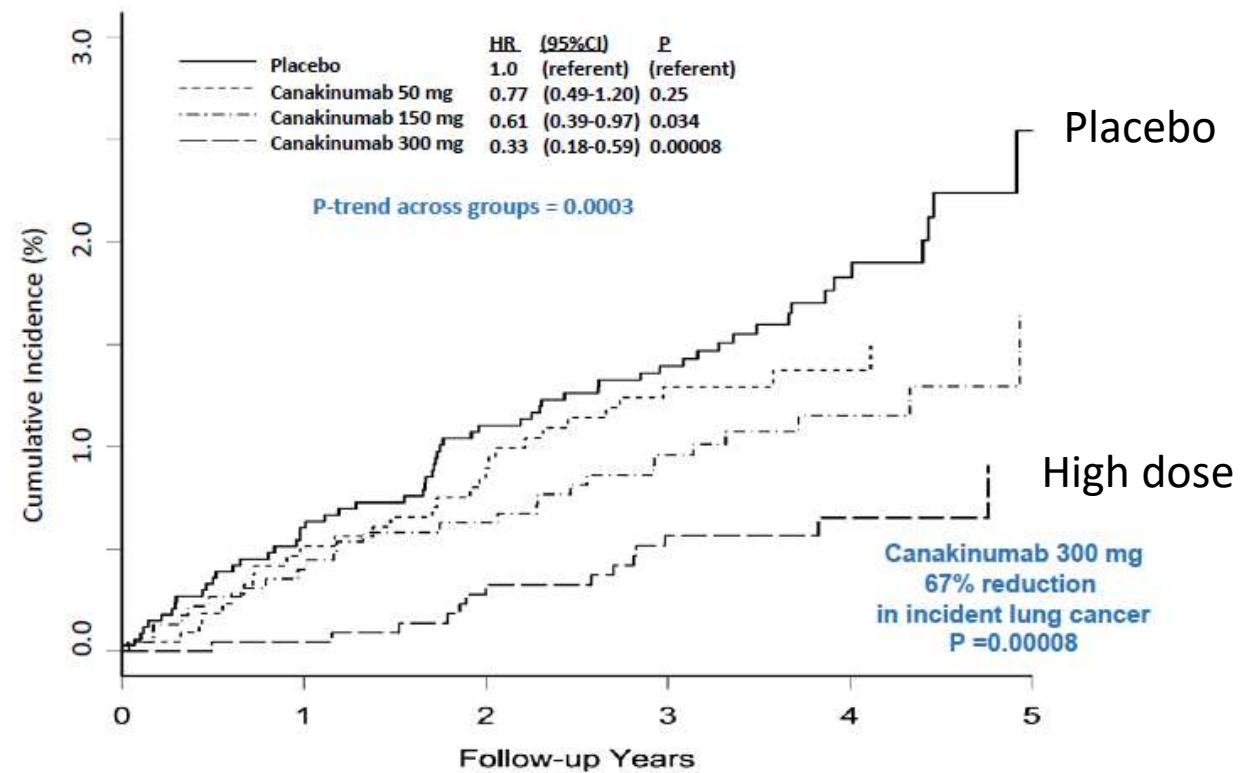
The following presentation may include predictions, estimates or other information that might be considered forward-looking. The statements regarding the surrounding world and future circumstances in this presentation reflect Cantargia's current thinking with respect to future events and financial performance. 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-1 $\beta$ blockade - Recent strong clinical data

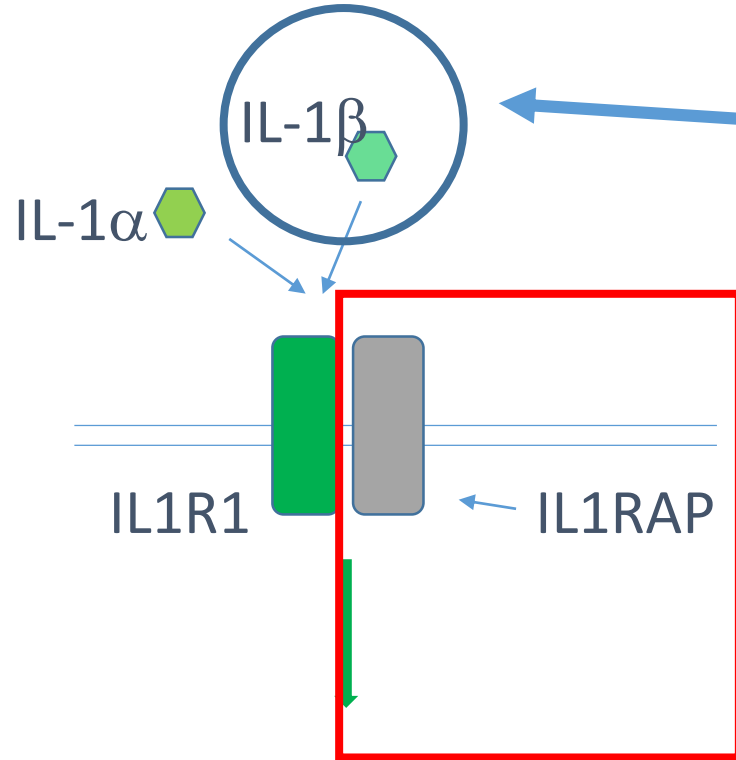
## CANTOS trial

- 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



Cancer, Inflammation  
(IL-6 & IL-8)

## Canakinumab

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

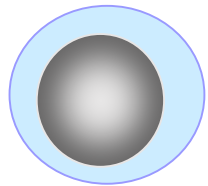
## CAN04:

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

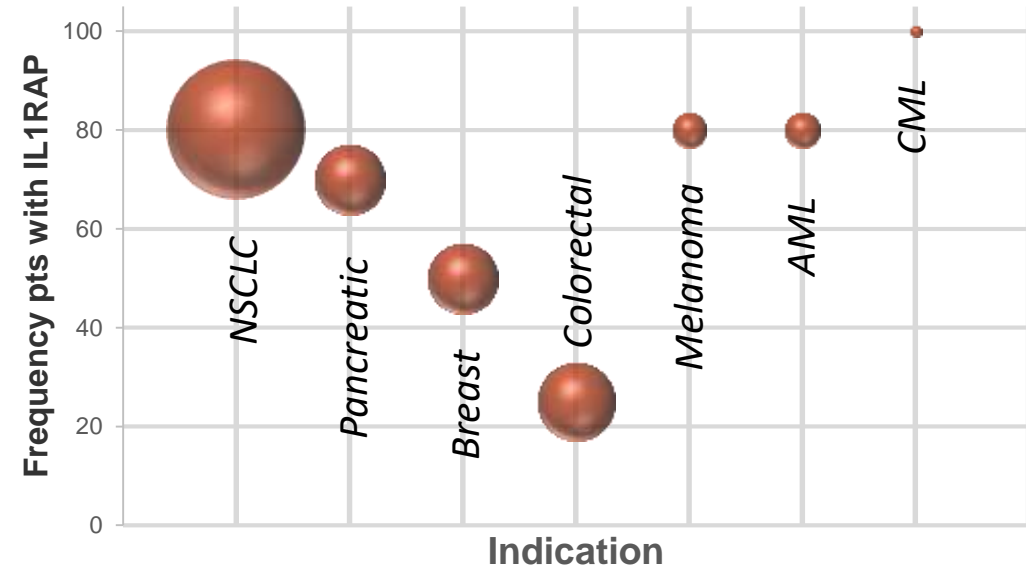
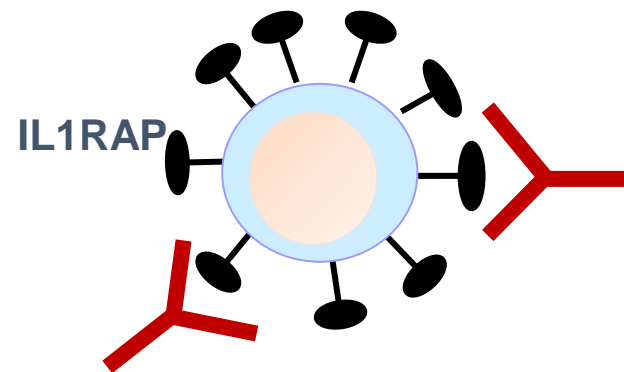


# Medical need and IL1RAP

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)

Size of each indication corresponds to annual deaths in USA

# 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

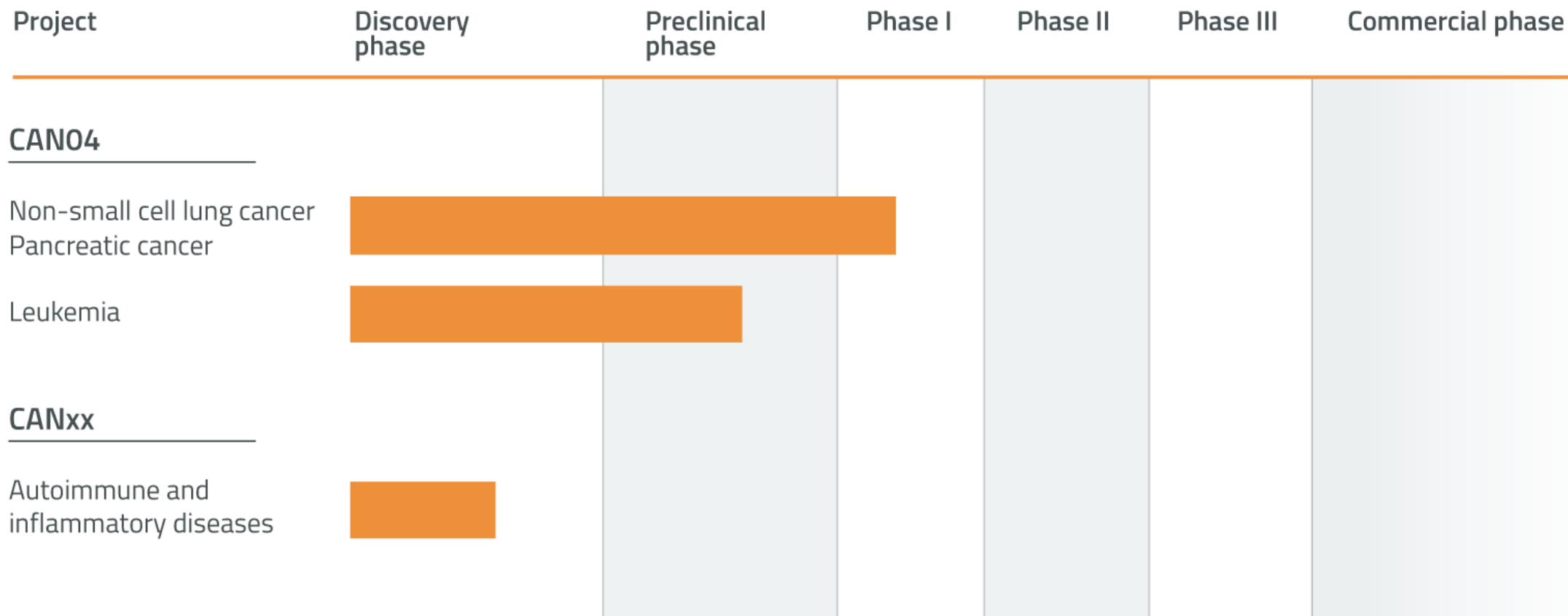
## Financial highlights

- Share price: 8.04 SEK (0.98 USD), Mar 16, 2018
- Market cap: 532 MSEK (64.8 MUSD), Mar 16, 2018
- Cash: 269.8 MSEK (32.7 MUSD), Dec 31 2017

## Current owners (Mar 2, 2018)

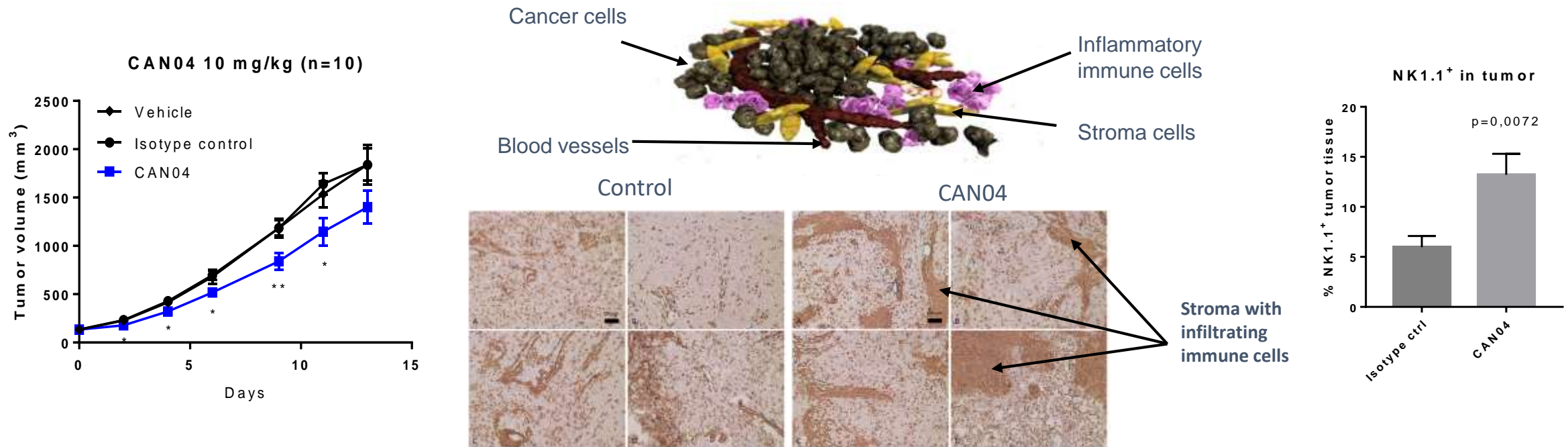
Sunstone	9.0%
1st AP fund	6.9%
Avanza Pension	6.4%
4th AP fund	4.2%
SEB S.A. clients	3.4%
2nd AP fund	3.3%
Tibia konsult	2.1%
Mats Invest AB	2.0%
Kudu AB	1.9 %
Brushamn Invest	1.9%
Nordnet Pension	1.6%
SHB Pharm Fund	1.5%
Others	55.9%

# Cantargia pipeline





# CAN04 - immuno-oncology mechanism with antitumor effect



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



# 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

## Cancer hallmarks

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

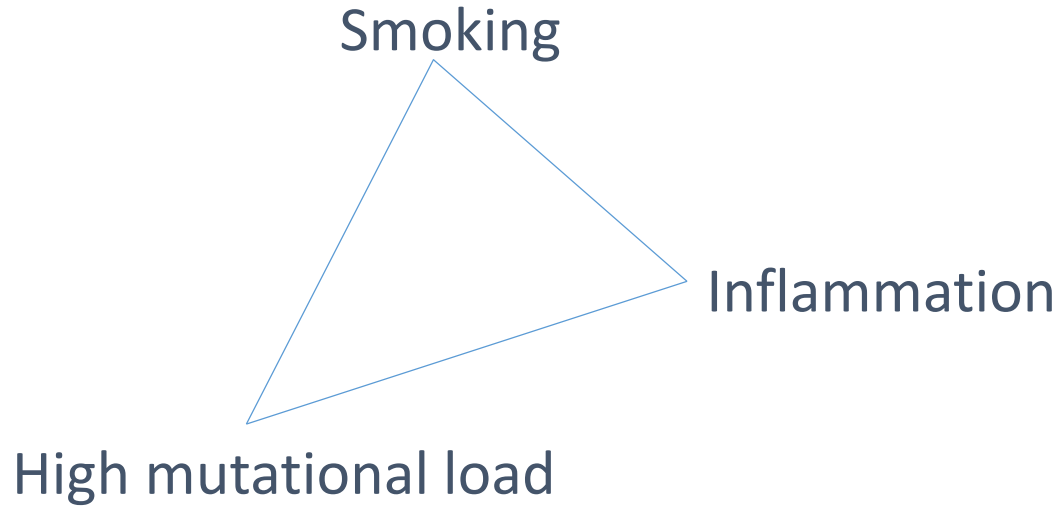
### **Tumor cells**

- *Signaling/proliferation of cancer cells*
- *Chemoresistance*

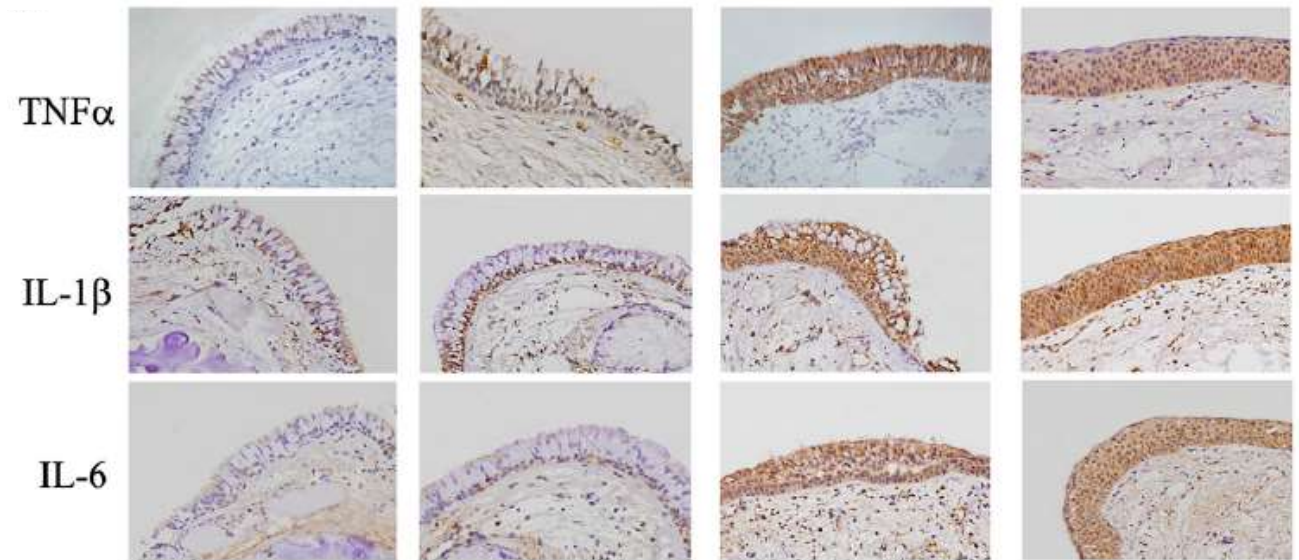
### **Tumor microenvironment**

- *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*

# Cantargia - Press release March 15, 2018

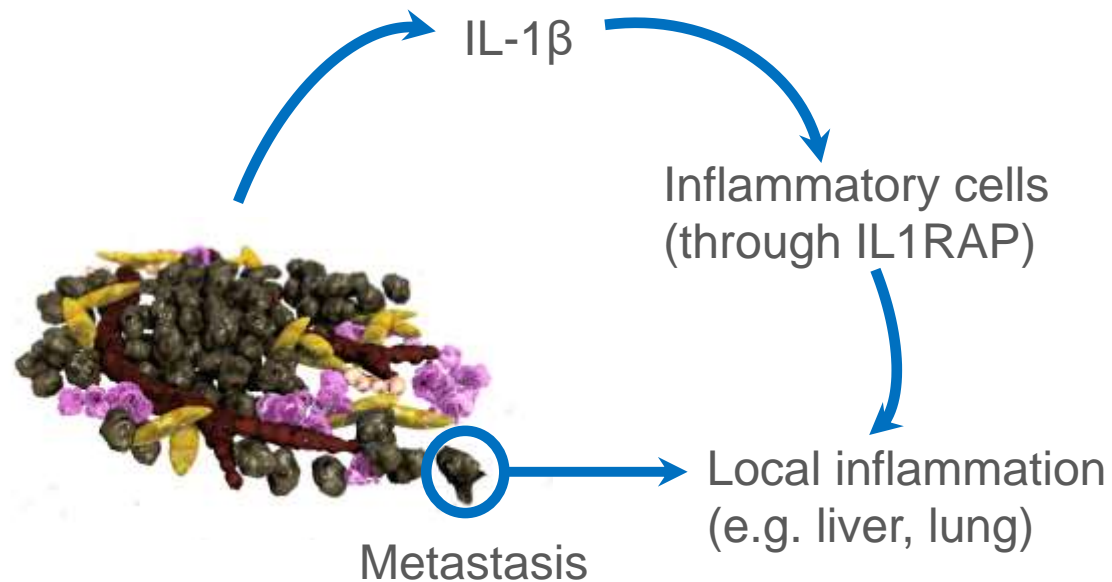
## **Cantargia presents new data at AACR on inhibition of metastasis by antibodies against IL1RAP.**

**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 [www.abstractsonline.com/pp8/#!/4562/presentation/8455](http://www.abstractsonline.com/pp8/#!/4562/presentation/8455). 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 [www.cantargia.com](http://www.cantargia.com).

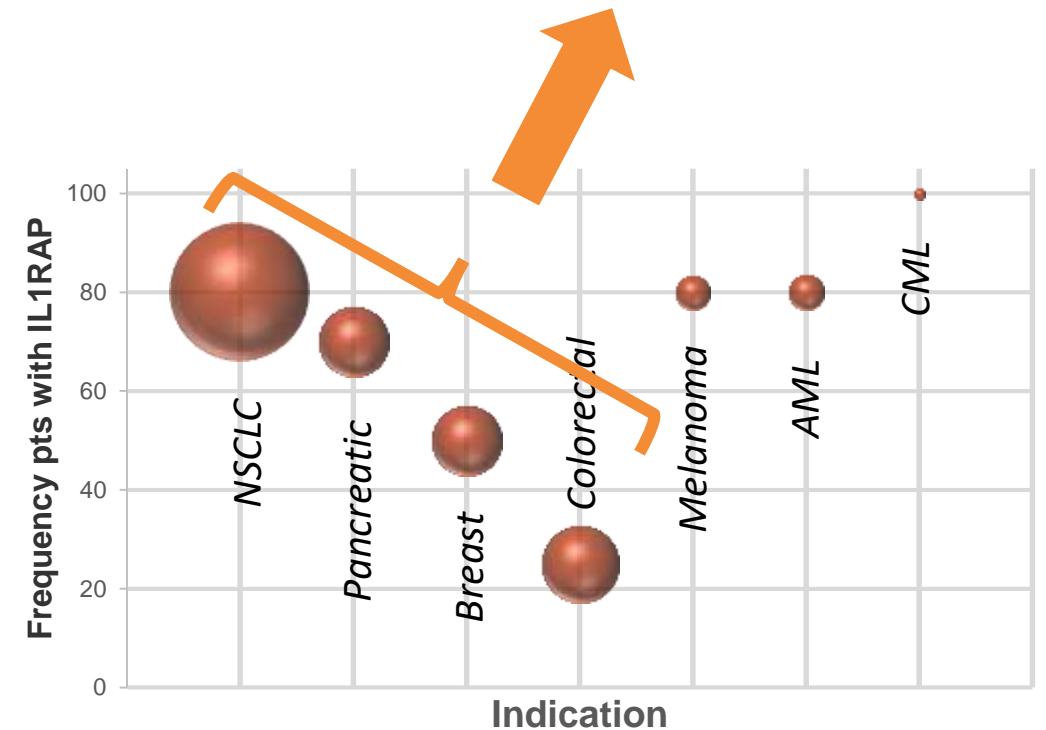
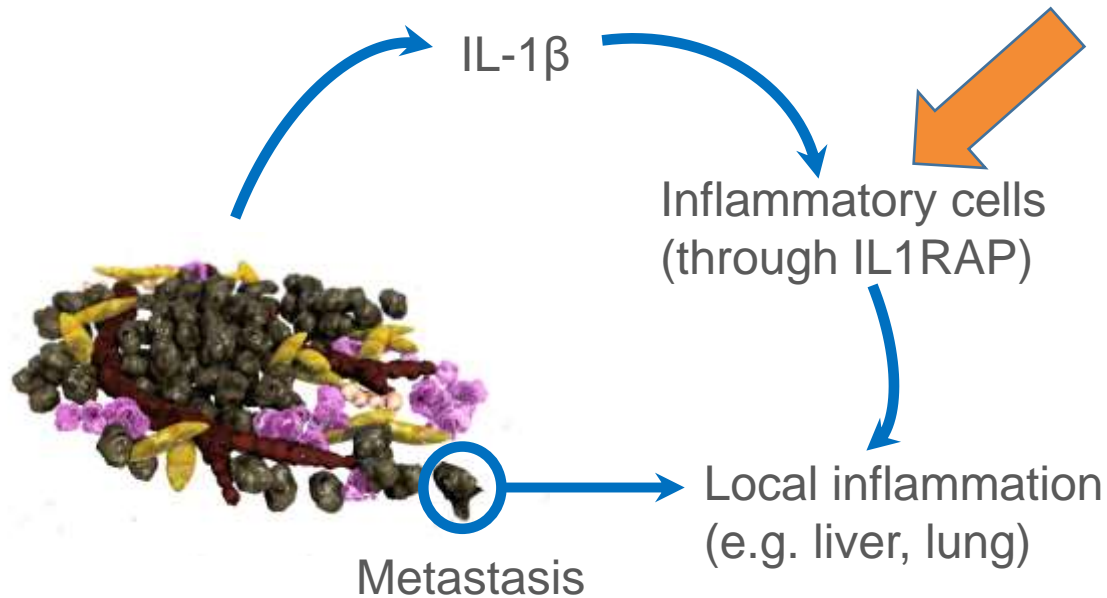
# Inflammation and metastasis

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



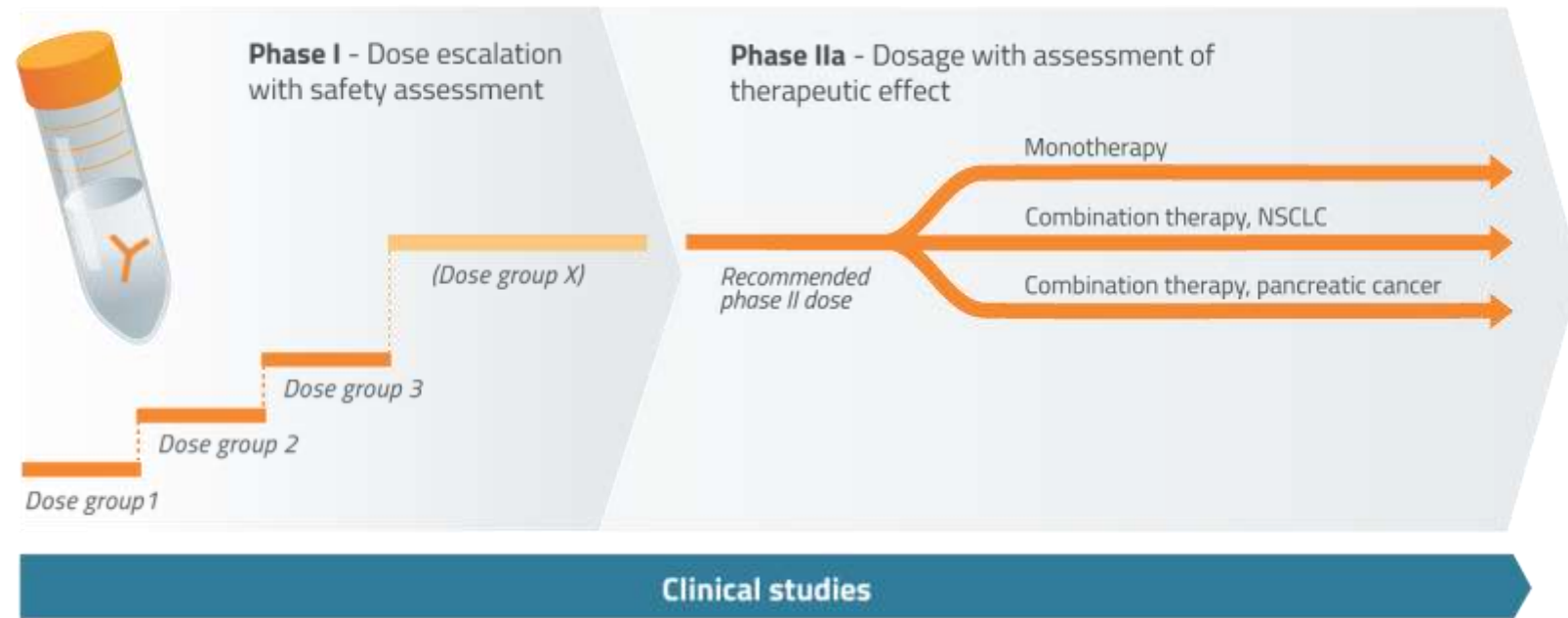
A tumor can create its own "seed and soil"

# Targeting inflammatory cells and microenvironment – opportunity to treat more patients



# CAN04 – 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

Details on [www.clinicaltrials.gov](http://www.clinicaltrials.gov)



# CANTOS additional findings

## CANCER decreased risk of death with treatment (high dose)

Lung cancer	77 %	P=0.0002	
Non-lung cancer	37 %	P=0.06	

## Decreased incidence of inflammatory disease (all doses)

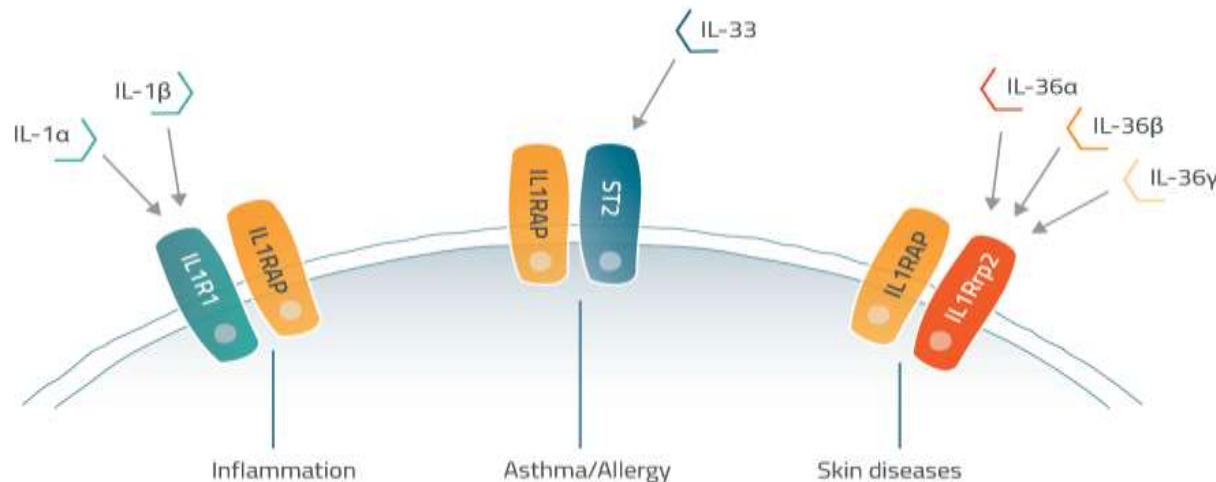
Arthritis	32%	p<0.0001	
Osteoarthritis	28%	P=0.0005	
Gout	53%	p<0.0001	

## Biomarker levels (reduction)

CRP	26-41%	P<0.0001	
IL-6	25-43%	P<0.001	

# IL1RAP - additional potential indications to leverage the value of our asset

- Three different systems signal through IL1RAP
- These systems contribute to various inflammatory diseases
- Can be blocked by Cantargia's antibodies against IL1RAP



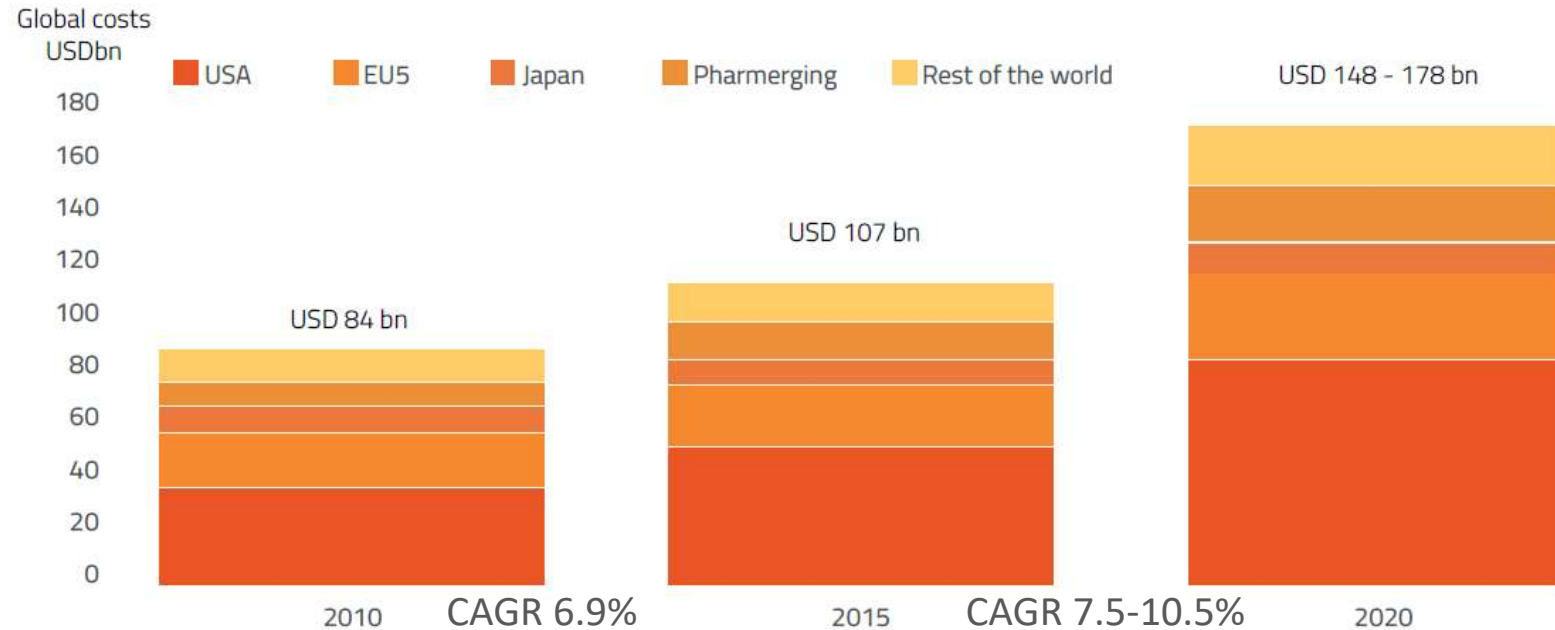
Cantargia partnership with Panorama Res Inc (Sunnyvale, CA)  
Selection of clinical candidate 2019

# 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)

Rituxan/MabThera	\$7.87bn	(\$8.58bn)
Avastin	\$7.13bn	(\$6.75bn)
Herceptin	\$7.47bn	(\$6.75bn)

## Immuno-oncology driving market growth 2017 (2016)

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

Source IMS Health & company reported sales

# Management

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## **Göran Forsberg**

*CEO since 2014, born 1963*

Göran Forsberg has a PhD in biochemistry, and is an associate professor and the author of over 40 scientific publications. He has worked for pharmaceutical and biotechnology companies for more than 30 years in various positions, including at KabiGen, Pharmacia, Active Biotech and the University of Adelaide, Australia. Forsberg's most recent position was Chief Business Officer at Active Biotech AB. He has a large amount of drug development experience, with a special focus on oncology. Since 2011, Forsberg is a board member of Isogenica Ltd. Shares in Cantargia: 77,648



## **Lars Thorsson**

*VP Clinical Development since 2015, born 1961*

Lars Thorsson graduated with a Ph.D. in clinical pharmacology in 1998. Thorsson has more than 25 years experience in the pharmaceutical industry, including leading roles in clinical studies and project management in a large number of development phases at AstraZeneca. Thorsson's most recently worked at Novo Nordisk A/S, where he held the role of Senior Clinical Pharmacology Scientist, responsible for preparation and implementation of clinical pharmacological studies in development projects. Thorsson has been responsible for evaluation and documentation of new substances and has the experience of regulatory activities and interactions with health authorities. Shares in Cantargia: 49,001



## **Bengt Jöndell**

*CFO since May 2017, born 1960.*

Bengt Jöndell has a BSc in Business Administration and a MSc in Chemical engineering. Jöndell has extensive experience in various executive financial functions such as CFO and Chief Executive Officer at BTJ Group AB, Senior Financial Advisor for BoneSupport, CFO/Administrative manager at Inpac, Business Controller at Pharmacia & Upjohn Consumer Healthcare, Pharmacia, Pharmacia Consumer Pharma and Pharmacia Nicorette. Jöndell's most recent position was CFO for Enzymatica AB. Shares in Cantargia 55,999



## **Liselotte Larsson**

*VP Operations since 2014, born 1963*

Liselotte Larsson has a PhD in biotechnology, and has more than 20 years of experience in various management positions in pharmaceutical and biotechnology companies including BioGaia Fermentation, Novozymes Biopharma and Camurus. Larsson's main fields of expertise are business development, marketing & sales/out licensing, ISO certification, good manufacturing practice (GMP) and overall project management. Shares in Cantargia: 24,000



## **David Liberg**

*VP Cancer Research since 2015, born 1969*

David Liberg graduated with a Ph.D. in 2001 and has nearly twenty years of research experience within immunology and tumour biology. Liberg has worked within the pharmaceutical industry for the last ten years, with responsibility for early research projects and activities in tumour immunology. He has extensive experience of pre-clinical phase cancer projects. His most recent position was at Active Biotech AB, where he worked as Project Manager Drug Development as well as Head of Cell Biology and Biochemistry. Liberg has also carried out research at Imperial College in the UK and at Lund University, Sweden. Shares in Cantargia: 4,400

# Board of Directors



## **Magnus Persson**

*Chairman of the Board since 2016, born 1960*

Magnus Persson is MD and associate professor in physiology at Karolinska Institutet in Stockholm. Persson has a large amount of experience in the fields of medicine, life sciences and biotech-financing. Persson has previously led development teams in clinical phase II and phase III programmes in the pharmaceutical industry and has founded and led private as well as public biotech and medtech companies, either as chairman or member of the board, in Europe and the USA. Persson has also been involved in multiple IPOs. Shares in Cantargia: 44,976 and 85,000 options



## **Lars H. Bruzelius**

*Board member since 2013, born 1943*

Lars H. Bruzelius is an associate professor in Business Administration and management consultant with many years of experience working with banks and companies in the energy, medtech and telecommunication industries. Bruzelius is a senior partner in and joint owner of BSI & Partners, and has been a board member and chairman of LU Bioscience AB since 2012. For three years, Bruzelius was the Deputy Chief Executive and Administrative Director of Gambro AB. Bruzelius has been a board member of two listed companies as well as an investor and board member of a number of start-up companies. Shares in Cantargia 1,232,682



## **Niclas Lundqvist**

*Board member since 2016, born 1965*

Niclas Lundqvist is a Master of Law at law firm Advokatbolaget Wiklund Gustavii. Since 1996, he has specialized in legal counselling with companies listed on the Swedish stock market or MTF. Lundqvist has operational experience from boards of companies listed on the Swedish stock market and companies under the supervision of Finansinspektionen. His previous experience includes other types of legal work, project management and business development in Corporate Finance at Sedermera Fondkommissionen from 2003 to 2013. Lundqvist is one of the founders of venture capital fund 'Swedish Growth Fund'. Shares in Cantargia: 0



## **Karin Leandersson**

*Board member since 2016, born 1972*

Karin Leandersson is professor in tumour immunology at the medical faculty of Lund University. She has gained a wide range of cancer research experience in the fields of tumour immunology and tumour inflammation in solid tumours, mainly in breast cancer. Leandersson has also authored around 30 scientific publications in international journals. Shares in Cantargia: 0



## **Claus Asbjørn Andersson**

*Board member since 2013, born 1968*

Claus Asbjørn Andersson is a partner of Sunstone Life Science Ventures, a holding company managing billion-dollar venture funds. He has a Master's degree in Civil Chemical Engineering from Technical University of Denmark and a PhD in Mathematical Statistics from Copenhagen University and Humboldt University of Berlin. Shares in Cantargia: 0



## **Thoas Fioretos**

*Board member since 2010, born 1962*

Thoas Fioretos is a professor and physician at the Department of Clinical Genetics at Lund University. The focus of his research is molecular and functional studies of genetic changes in leukaemia and how such changes can be used for diagnostic and therapeutic purposes. Fioretos has authored many scientific publications, and is one of the founders of Cantargia AB and bio-IT company Qlucore AB.

Shares in Cantargia: 732,600



## **Patricia Delaite**

*Board member since 2017, born 1963*

Patricia Delaite is an MD and MBA from University of Lausanne. She is specialized in oncology and is currently Exec Medical Director at Incyte in Geneva. Previous experience include positions at Ariad, Novartis and Eli Lilly. Shares in Cantargia: 0



# 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