BioInvent

UNLEASHING IMMUNITY TO FIGHT CANCER

Annual General Meeting

Martin Welschof, CEO

May 3, 2024

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BIOINVENT IS FOCUSED ON NOVEL TREATMENTS OF CANCER

Translating complex cancer biology into innovative antibody therapies

6
Clinical programs

Six expanding clinical programs. Integrated research engine, functional screening and in-house GMP manufacturing.

10+
Partnership agreements

Technology validating deals with Exelixis, Pfizer, Daiichi Sankyo, Bayer, Mitsubishi Tanabe, Takeda, Genentech. Partnering/deal making a key element in business model.

22
Nationalities

Headquarters in Lund, Sweden. 109 employees, 22 nationalities.

65%
International ownership

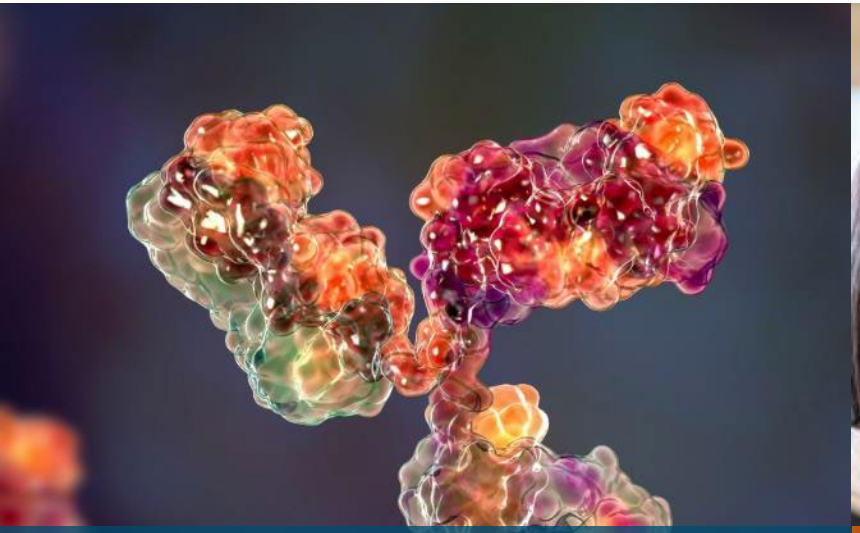
Strong international shareholder base. Major owners Redmile, Van Herk Investments, Forbion, HBM, Omega, AP4, Invus, Swedbank Robur, Handelsbanken.

1,219
SEKm in liquid funds etc
March 31, 2024 ~112 USDm

Well funded through multiple value inflection points. Listed on NASDAQ OMX Stockholm Mid Cap (BINV).

OUR SUCCESS FACTORS

BioInvent has one of the most exciting and unique cancer immunotherapy pipelines of any European biotech company



DISCOVERY ENGINE

Our proprietary **high-quality antibody library** and animal models deliver candidates ready for clinical development

TOP EXPERTISE

Everything we do is based on our **extensive knowledge** of immunology, cancer biology, and antibody biology

INNOVATIVE R&D

We have **integrated** drug development capabilities, from **early discovery**, **manufacturing** to **trial execution**

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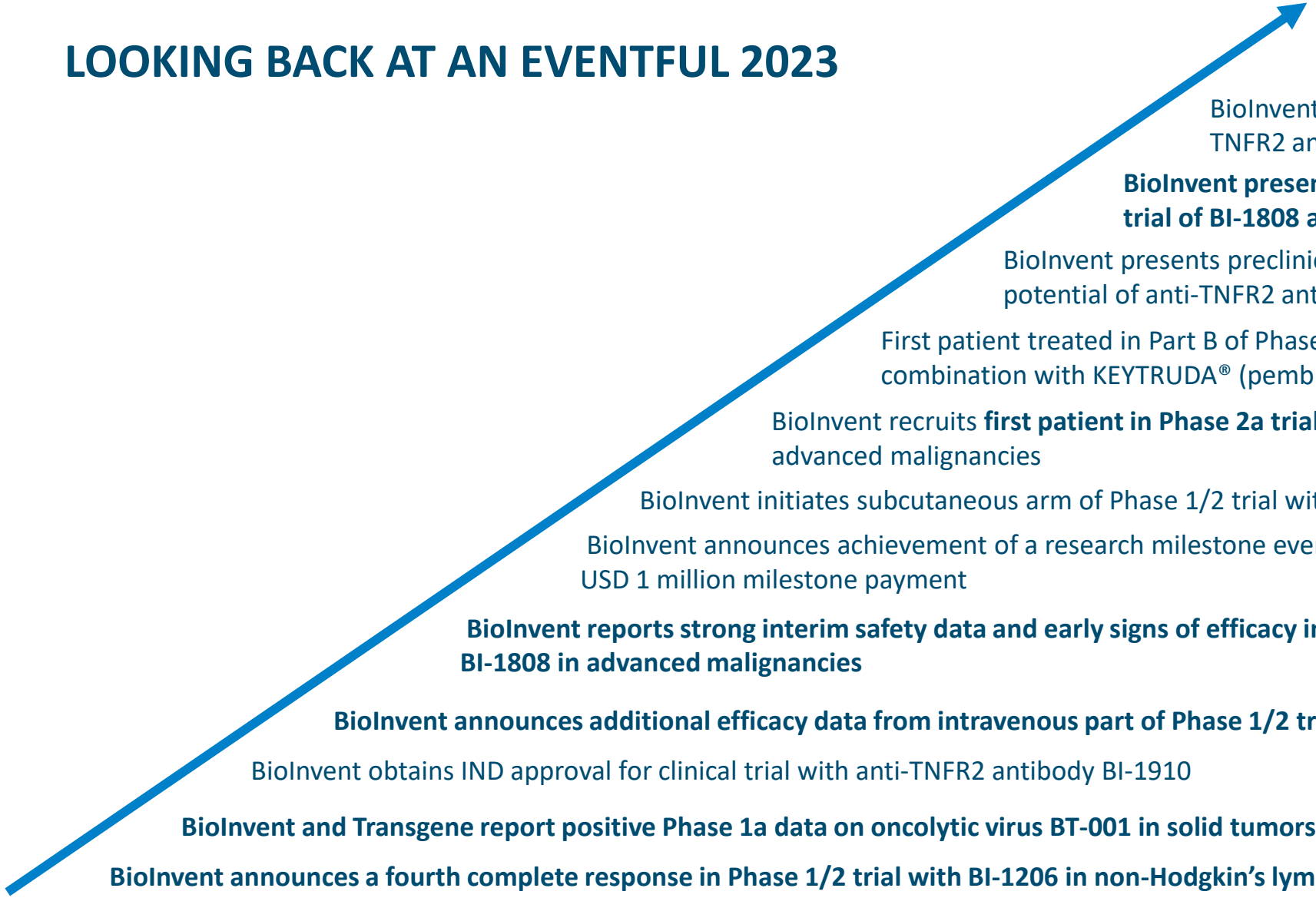
USING PARTNERSHIPS TO VALIDATE OUR CAPABILITIES AND EXPERTISE

CASI Pharmaceuticals	**Exclusive license agreement** and clinical collaboration for BI-1206 for China/Hong Kong/Macau/Taiwan
transgene	**Co-developing** (50/50 share of costs and profits) of oncolytic virus BT-001 for solid tumors, leveraging BioInvent's n-CoDeR® and F.I.R.S.T™ platforms
MSD AstraZeneca	**Clinical supply** (pembrolizumab) **and collaboration agreement** with MSD for BI-1206, BI-1808, BI-1910 and BT-001. **Supply** (Calquence®) **agreement** with AstraZeneca for BI-1206.
XOMA Mitsubishi Tanabe Daiichi-Sankyo BAYER abcentra	**Antibody discovery partnerships** using n-CoDeR® antibody library (antibodies in clinical development)
IMRB Institut Mondor de Recherche Biomédicale; MD Anderson Cancer Center; University of Southampton; Leukemia & Lymphoma Society	**Academic/Patient organizations collaborations**

LOOKING BACK AT AN EVENTFUL 2023



BioInvent presents positive first clinical data on anti-FcyRIIB antibody BI-1607

BioInvent enrolls first patient in Phase 1/2a clinical trial with TNFR2 antibody BI-1910

BioInvent presents positive data at SITC from clinical Phase 1/2a trial of BI-1808 as single agent

BioInvent presents preclinical data at SITC providing clear evidence of the potential of anti-TNFR2 antibody BI-1910

First patient treated in Part B of Phase 1 trial assessing the novel oncolytic virus BT-001 in combination with KEYTRUDA® (pembrolizumab)

BioInvent recruits **first patient in Phase 2a trial of single agent BI-1808** for the treatment of advanced malignancies

BioInvent initiates subcutaneous arm of Phase 1/2 trial with BI-1206 in solid tumors

BioInvent announces achievement of a research milestone event in its collaboration with Exelixis triggering a USD 1 million milestone payment

BioInvent reports strong interim safety data and early signs of efficacy in Phase 1/2a trial with anti-TNFR2 antibody BI-1808 in advanced malignancies

BioInvent announces additional efficacy data from intravenous part of Phase 1/2 trial with BI-1206 in solid tumors

BioInvent obtains IND approval for clinical trial with anti-TNFR2 antibody BI-1910

BioInvent and Transgene report positive Phase 1a data on oncolytic virus BT-001 in solid tumors

BioInvent announces a fourth complete response in Phase 1/2 trial with BI-1206 in non-Hodgkin's lymphoma

BioInvent selected to The Leukemia & Lymphoma Society's Therapy Acceleration Program and receives $3 million strategic equity investment

STRONG PROPRIETARY CLINICAL PIPELINE WITH MULTIPLE VALUE DRIVERS

TNFR2

Study number	Study arm	Primary indication	Discovery	Preclinical	Phase 1	Phase 2	Partner
NCT04752826	BI-1808 single agent	Solid tumors/TCL					
	BI-1808 + pembrolizumab	Solid tumors/TCL					
NCT06205706	BI-1910 single agent	Solid tumors					
	BI-1910 + pembrolizumab	Solid tumors					

FcyRIIB

Study number	Study arm	Primary indication	Discovery	Preclinical	Phase 1	Phase 2	Partner
NCT03571568	BI-1206 + rituximab	NHL (MCL, MZL, iFL)					CASI [1]
	BI-1206 + rituximab + Calquence®	NHL (MCL, MZL, iFL)					
NCT04219254	BI-1206 + pembrolizumab	Solid tumors					CASI [1]
NCT05555251	BI-1607	Solid tumors					

CTLA-4

Study number	Study arm	Primary indication	Discovery	Preclinical	Phase 1	Phase 2	Partner
NCT04725331	BT-001 + pembrolizumab	Solid tumors					transgene [2]

Completed Ongoing Planned

[1] *Licensed to CASI for China, Hong Kong, Macau and Taiwan*

[2] *50/50 co-development collaboration with Transgene*

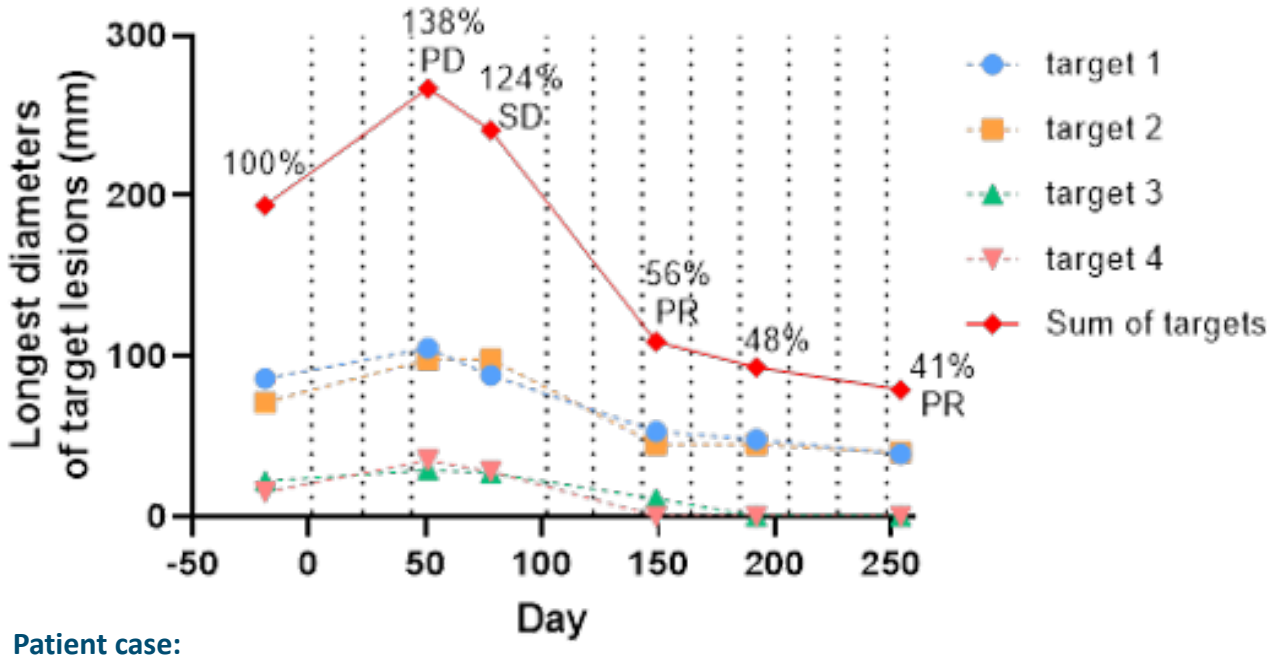
BI-1808 POSITIVE SINGLE AGENT PHASE 1 DATA

TNFR2
BI-1808

Robust partial response (PR) observed in a patient with GIST

Phase 1 data presented at SITC Nov 2023

- All subjects had advanced solid tumors (21 evaluable)
- **Heavily pretreated** patient population, tumor types known to respond poorly to checkpoint inhibitor therapy
- **Stable disease** observed in 7 patients
- PK/PD data enabled identification of a **wide dose range** with complete target coverage
- **Excellent safety** with no DLTs: MTD was not reached



Patient case:
55-year-old male patient with **GIST**. Patient presented with clinically progressive disease for more than 6 months, with multiple metastatic lesions despite **12 prior lines of treatment**. Patient still on treatment.

WHAT'S NEXT?

- **Initial Phase 2a single agent update at ASCO, more data YE 2024E**
- **Phase 1 data for BI-1808 + pembrolizumab (Keytruda) at ASCO**

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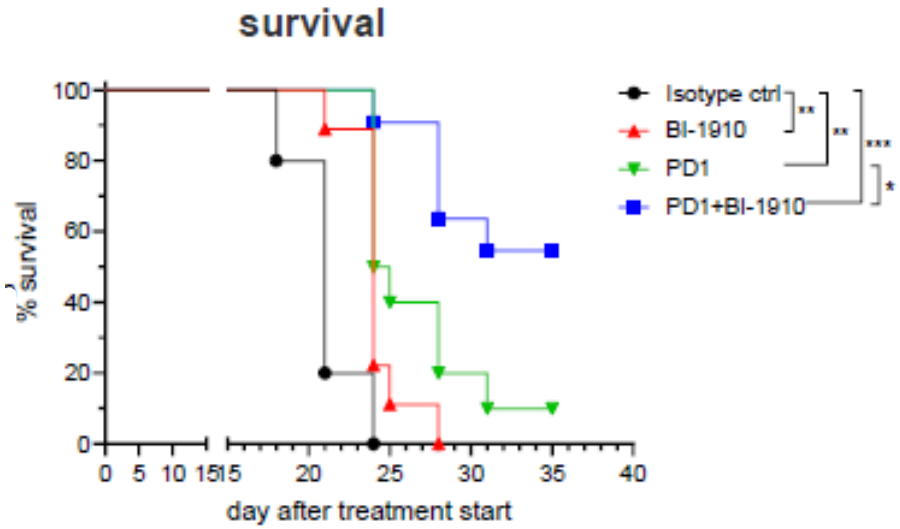
BI-1910: POTENTIAL BEST-IN-CLASS TARGETING AN IDENTFIED UNMET NEED

TNFR2
BI-1910

A differentiated, agonist approach to treating solid tumors compared to BI-1808

- **Enrolment ongoing in Phase 1/2a clinical** trial in the US and Europe **since December 2023**
- Innovative, **adaptive clinical trial** design for dose escalation
- First part evaluates **single agent** BI-1910
- Second part a dose escalation phase with BI-1910 in combination with **pembrolizumab.** Supply agreement with MSD*
- Exploratory expansion cohorts are then planned in **hepatocellular carcinoma (HCC)** and **non-small cell lung cancer (NSCLC)**.



Preclinical data showcase BI-1910 anti-tumor activity and synergy with anti-PD-1. Further mode-of-action analyses demonstrate that BI-1910 increases intratumoral CD8+ T effector cells and induces long-lasting T cell memory.

WHAT'S NEXT?

- **Initial Phase 1 single agent data YE 2024E**

* MSD International Business GmbH, a subsidiary of Merck & Co., Inc., Rahway, NJ, USA

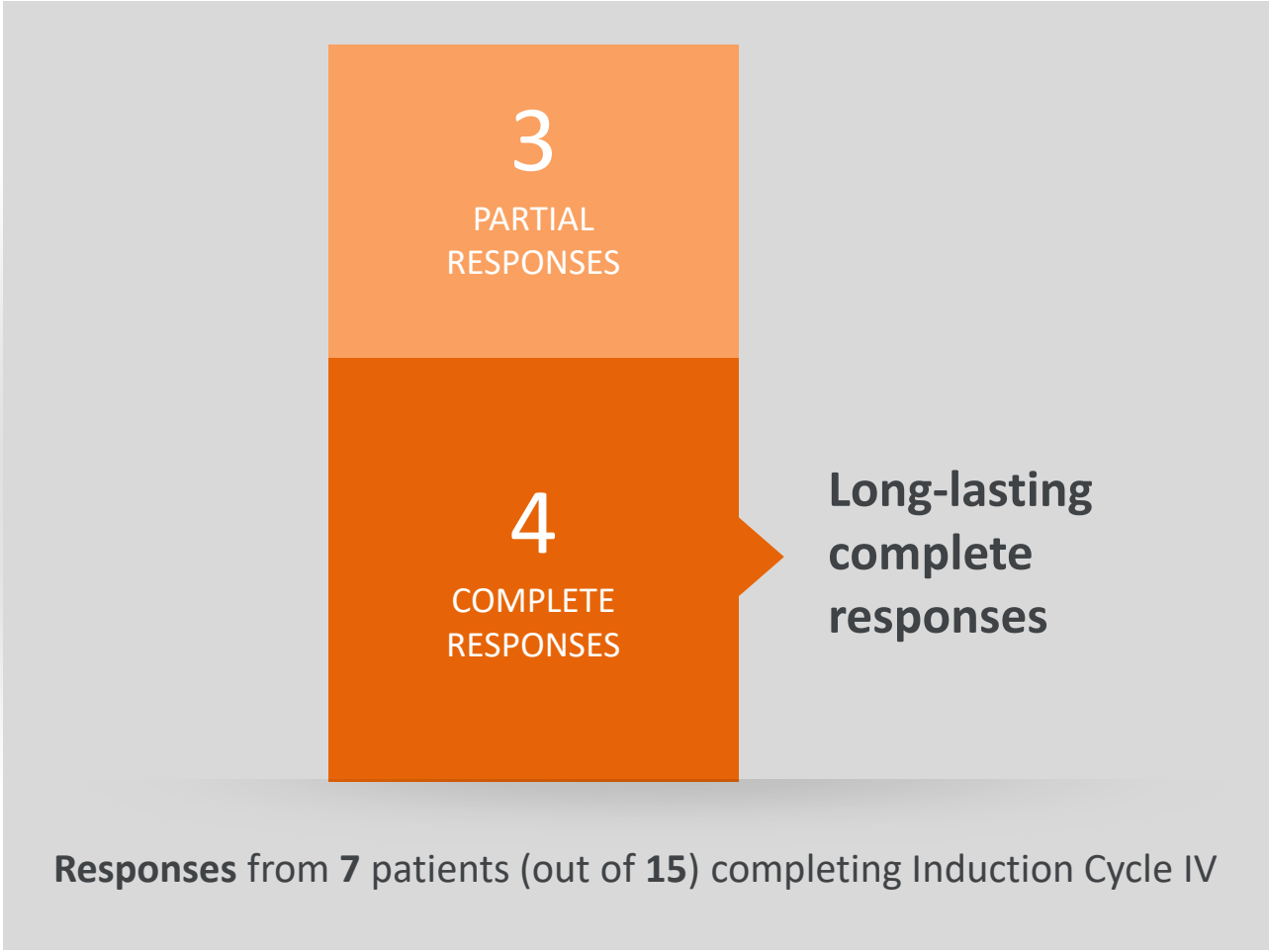
BI-1206 IN NHL: IMPRESSIVE EARLY CLINICAL EFFICACY DATA

FcγRIIB
BI-1206 +
ritux

Quality of responses particularly impressive Interim results from IV

(June 2023):

- **4 Complete Responses** (CR), **3 Partial Responses** (PR) and **4 cases of stable disease** (SD)
- **CR:s** have been **long-lasting**, three of them **lasting years after** end of treatment
- As of June 2023, the median duration of complete response was 2.5 years, with three patients ongoing
- **No safety or tolerability concerns**
- No maximum tolerated dose has been defined



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BI-1206 IN NHL:
POSITIVE INTERIM CLINICAL EFFICACY DATA FROM STUDY IN CHINA

FcγRIIB
BI-1206 +
ritux

CASI Phase 1 dose-escalation data re-inforce previously reported positive efficacy data

(March 2024):

- **1 Complete Responses** (CR), **4 Partial Responses** (PR) out of 8 evaluable patients
- **CR** (in Marginal Zone Lymphoma (MZL) has been **long-lasting**, 20+ weeks
- **Manageable safety profile across all patients**

Durable complete remission (20 + weeks)

CASI Pharmaceuticals Phase 1 interim data show responses from **5** patients out of **8 evaluable patients**

BI-1206 IN NHL: AGREEMENT WITH ASTRAZENECA

FcγRIIB BI-1206 triplet

BI-1206 in combination with rituximab and Calquence

- **AstraZeneca** to provide **Calquence** (BTK inhibitor) for combination with BI-1206 and rituximab in the ongoing Phase 1/2a clinical study for the treatment of patients with follicular lymphoma who have progressed or are refractory to rituximab

- The **Phase 2a IV dose expansion cohort** in combination with rituximab is currently enrolling patients, and it will look to enroll patients to be treated with the triplet

- The Calquence expansion cohort is expected to enroll approximately 30 patients at sites in Sweden, Spain, the US, and Brazil

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About us | Clinical programs | Our Science | Partners | Investors

BioInvent to evaluate BI-1206 in combination with rituximab and Calquence

09 Feb 2024

- **Clinical supply agreement with AstraZeneca to support Phase 1/2a BI-1206 combination study**
- **BI-1206 to be evaluated in combination with Calquence® and rituximab in Phase 1/2a trial in non-Hod**
- **The ongoing rituximab combination trial will be expanded to include the triplet arm**

Lund, Sweden – February 9, 2024 – BioInvent International AB ("BioInvent") (Nasdaq Stockholm: BINV), a biotecl and development of novel and first-in-class immune-modulatory antibodies for cancer immunotherapy, today ann with AstraZeneca (LSE/STO/Nasdaq: AZN) to evaluate BioInvent's anti-FcγRIIB antibody, BI-1206, in combination wit (acalabrutinib), in a Phase 1/2a study in non-Hodgkin's lymphoma (NHL).

Under the terms of the supply agreement, AstraZeneca will provide Calquence, a selective inhibitor of Bruton's tyr combination with BI-1206 and rituximab in the ongoing Phase 1/2a clinical study (NCT03571568) for the treatment who have progressed or are refractory to rituximab.

"Having already shown the benefits of combining BI-1206 with rituximab, we believe the addition of Calquence for improve clinical outcomes for patients with non-Hodgkin's lymphoma, including follicular lymphoma and mantle ce Welschof, CEO of BioInvent. "We are extremely pleased to be entering into this supply agreement with AstraZeneca new, chemo-free, treatment option for these patients. "

The Phase 1 part - intravenously (IV) administered BI-1206 - has been completed with impressive early signs of clini expansion cohort is currently enrolling patients, and it will look to enroll patients to be treated with the triplet. A su developed in parallel to the IV and it is expected to bring a great deal of convenience to the treatment. The Calquer enroll approximately 30 patients at sites in Sweden, Spain, the US, and Brazil.

WHAT'S NEXT?

- **BI-1206 SC Phase 1 data H1 2024E**
- **Initial Phase 2a triplet data YE 2024E**

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BI-1206 IN SOLID TUMORS: POSITIVE INTERIM CLINICAL PHASE 1 RESULTS

Early signs of efficacy in BI-1206 IV + pembrolizumab Phase 1

(June 2023):

- All patients enrolled had received **at least one prior line of anti-PD1/PDL1** therapy
- **18** evaluable **patients** in IV arm (6/2023)
- **No major safety concerns**
- **Two long-lasting partial responses** (PR) and **two** patients with **stable disease** (SD)
- Both responding patients had **melanoma**, and both had progressed after prior checkpoint inhibitor treatments

WHAT'S NEXT?

- **Further BI-1206 + pembrolizumab Phase 1 data at ASCO**

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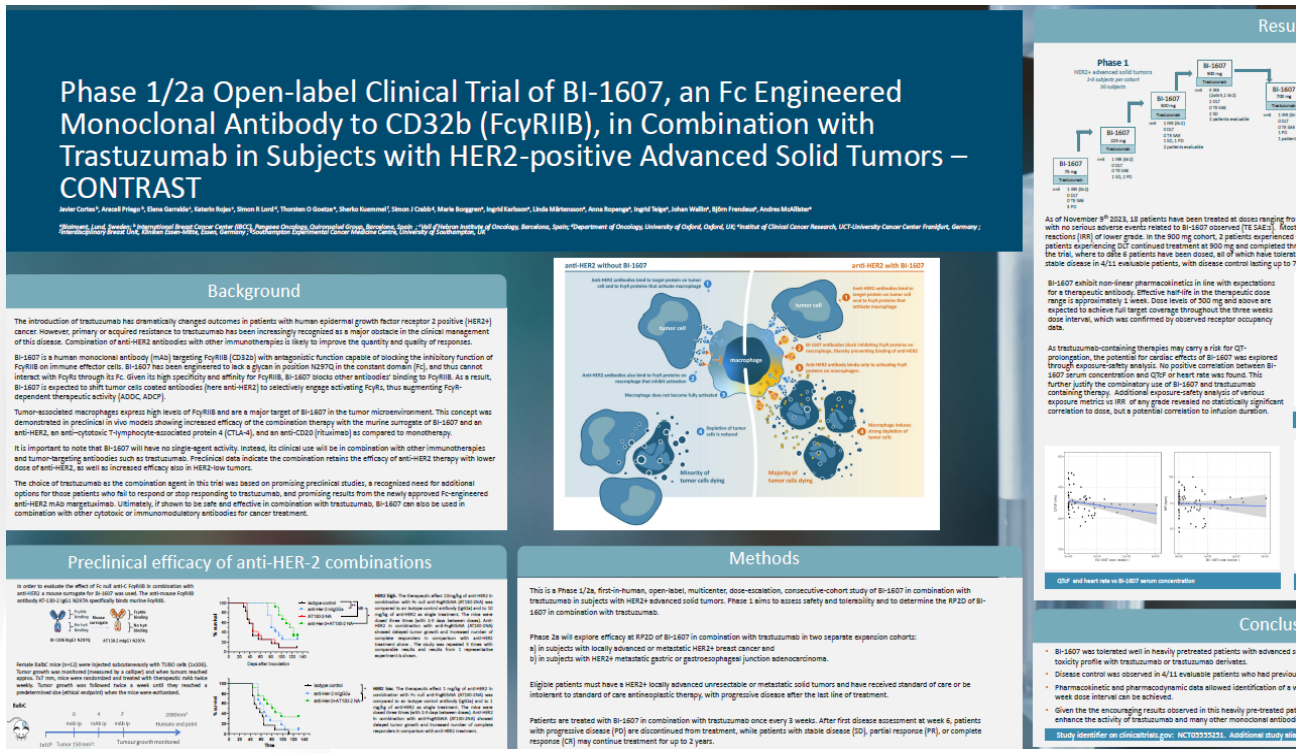
BI-1607: POSITIVE CLINICAL PHASE 1 DATA

FcγRIIB
BI-1607

Well-tolerated and stable disease in 6/11 patients

Phase 1 data of BI-1607 in combination with trastuzumab were presented at the San Antonio Breast Cancer Symposium in Dec 2023.

- Treatment **well-tolerated**, no serious adverse events related to BI-1607 observed
- 18 patients, doses ranging from 75 mg up to 900 mg flat dose
- Best clinical response **stable disease (SD)** in 6/11 evaluable patients, with disease control lasting up to 7 cycles (21 weeks)
- Predicted PK profile, adequate exposure and **full receptor occupancy** during the full treatment interval were observed at higher doses



WHAT'S NEXT?

- **Discussions ongoing to choose the most optimal combination regimen for BI-1607 in the continued development program**

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BT-001: SINGLE AGENT PHASE 1 DATA OPENS FOR COMBINATION

CTLA-4
BT-001

Objective antitumor activity, i.e. decrease of injected lesion size of ≥50% observed in two patients

Data from Phase 1/2a open-label, multicenter, dose-escalation study of BT-001 as single agent

- Treatment of all **Phase 1** cohorts in monotherapy completed with **no safety concerns**
- **Stabilization of injected lesions** in 11/18 patients
- In October 2023, BioInvent and Transgene announced first patient dosed in the Phase 1 part B clinical trial evaluating the **combination** of **BT-001** and MSD's anti-PD-1 therapy, KEYTRUDA® (**pembrolizumab**)

WHAT'S NEXT?

- **First Phase 1 data BT-001 + pembrolizumab combination H2 2024**

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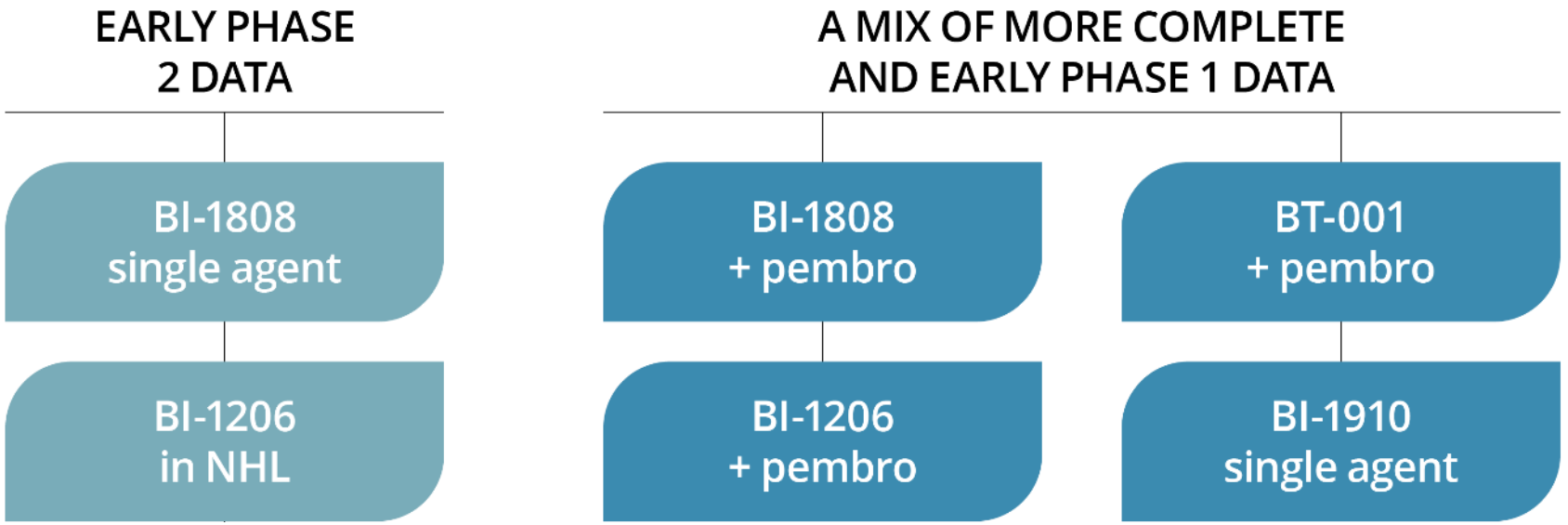
EXPECTED KEY CLINICAL MILESTONES 2024



YE 2024 **H1/mid-2024** **H2/YE 2024**

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