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Investment Highlights

Key player in advanced protein sciences, with deep pipeline of novel vaccines addressing highvalue markets



High-potential pipeline of key focus within infections diseases and oncology, backed up by strong intellectual property rights



Vaccine development platform with track record and partner validation. Now clinical Phase III-stage. +500 proteins produced while posting +90% success rate



Global vaccine market rapidly growing, from USD 33bn (2019) to USD 187bn (2021), corresponding to 460% growth



ExpreS²ion is advancing towards key catalysts during 2022-23, further de-risking the company's pipeline. COVID-19 vaccine clinical Phase III initiation in August 2022



adaptAC

Technology Platforms

ExpreS²ion's ExpreS² and AdaptVac's cVLP platform

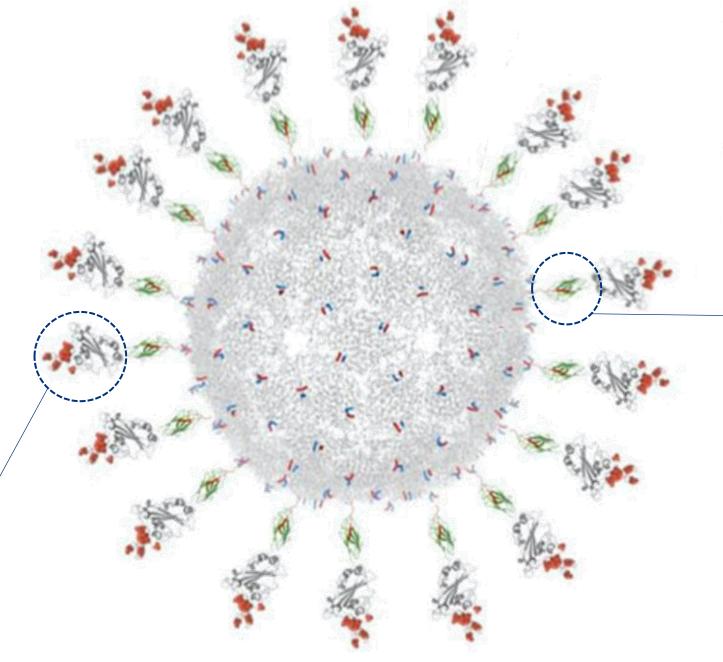


Cell line derived from Drosophila melanogaster (fruit fly) S2 cells¹

ExpreS² platform

Combines S2 cells with patented expression vectors (add a specific gene into a target cell and command the cell to produce the gene encoded protein), adapted culture agents and reagents (stimulating cell growth)

100% ownership



ExpreS² protein (antigen) combined with AdaptVac's cVLP containing no viral genetic material causing an immune reaction

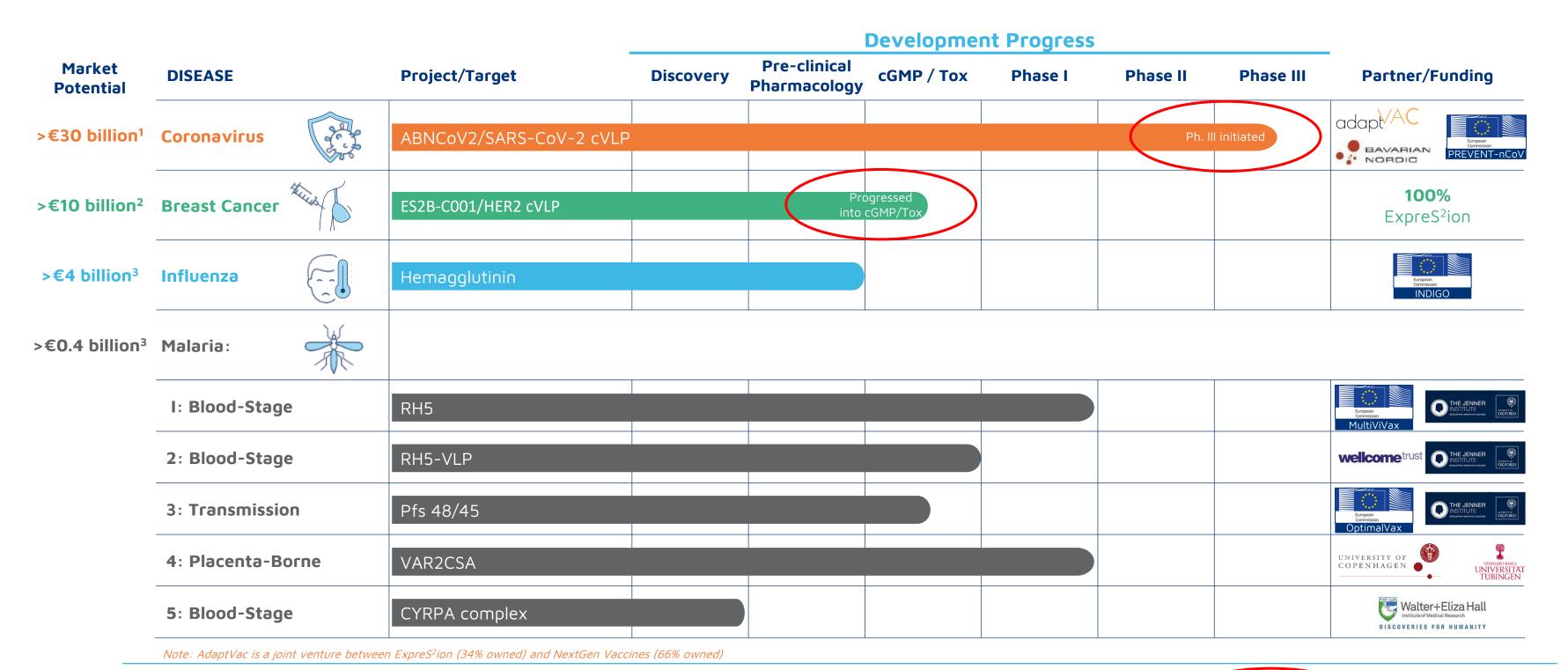
Particle (VLP) technology

AdaptVac's proprietary virus-like particles (VLP) technology securely attaches our proteins to the surface of a capsid (outer protein protective shell of a virus), mimicking a virus to elicit an immune response

34% ownership



Deep Pipeline for Value Creation



¹ 2024 estimate from Evaluate Pharma for top 10 products and other, as of 9 June 2022

² Global Data, 2022, for HER2+ breast cancer

³ Company estimate





Breast Cancer Overview

The ES2B-C001 vaccine can offer significant benefits compared to current treatment options

Monoclonal antibodies are the cornerstone of treatment for HER2+ breast cancer (>USD 11bn sales)¹

 Target the HER2 receptor on tumor cells to reduce proliferation and induce tumor cell destruction





Serious drawbacks exist with these therapies²

- **Resistance** to monoclonal antibodies may develop
- Potential for cardiac toxicity
- **Repeated administration required**: 28-day half-life requires administration every 3rd week until remission or resistance develops, costs USD 30-50k

ExpreS²ion's vaccine-like approach offers potential to overcome drawbacks through *internal antibody production*





ES2B-C001 Preclinical Proof-of-Concept (I)

ES2B-C001 has demonstrated in vivo proof-of-concept

Effectively inhibited tumor development

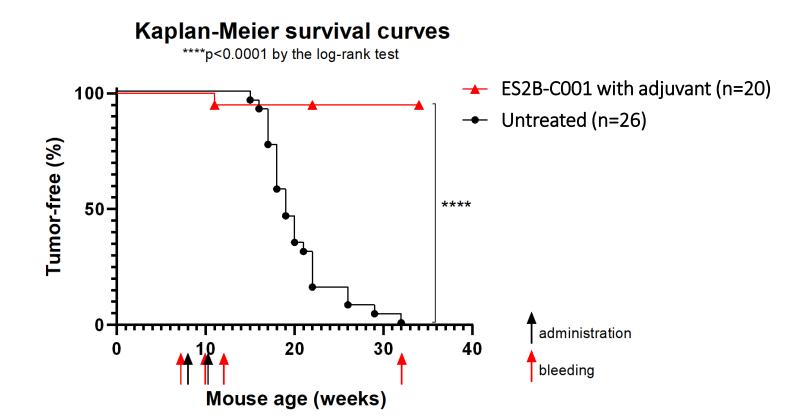
Tumor growth in FVB mice (HER2-intolerant) Control (n = 10) ES2B-C001 w/o adjuvant (n=10) ES2B-C001 with adjuvant (n=9)

• Two weeks after the inoculation of tumor cells, the first vaccine administration was given. Repeated every 2nd week during the study

Days after cell injection

• ES2B-C001 formulated in an adjuvant totally blocks tumor development.
ES2B-C001 without adjuvant partly blocks tumor development and if
tumors develop, growth is significantly inhibited

Prevented tumor development with 95% efficiency



- At mouse age 6-8 weeks, 2 vaccinations with 2 weeks interval were administered to Delta16 mice
- Two vaccinations prevented tumor development with 95% efficiency as compared to a control group, where all mice spontaneously developed tumors



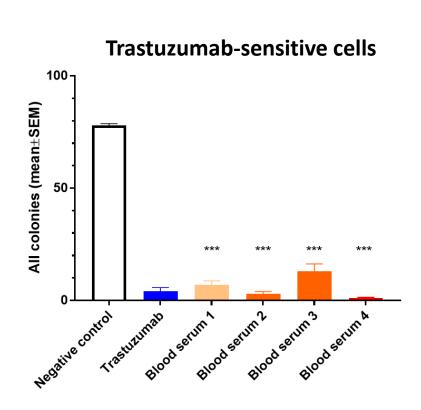


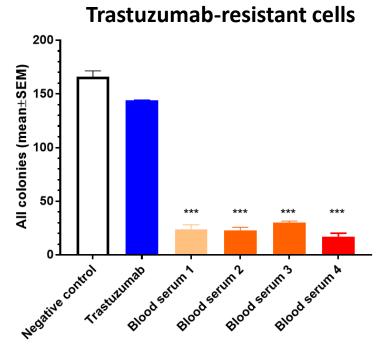
ES2B-C001 Preclinical Proof-of-Concept (II)

ES2B-C001 has demonstrated in vivo proof-of-concept

Overcomes trastuzumab-resistance of tumors in vitro

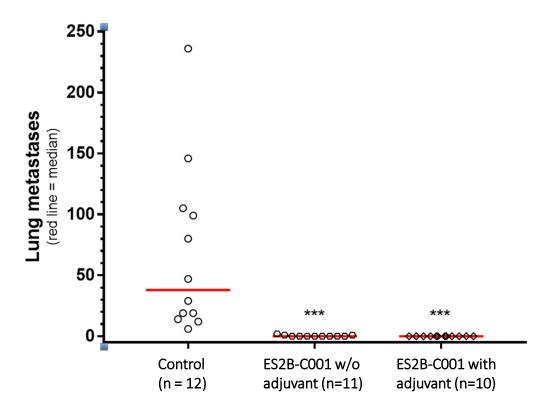
Inhibited tumor development in delta16 HER2 tg mice





In vitro PoC data in a growth inhibition assay: Blood serum from ES2B-C001vaccinated mice significantly inhibited the growth of HER2+ trastuzumabsensitive as well as trastuzumab-resistant human tumor breast cancer cells

Lung metastasis development in Delta 16 mice



- One week after the intravenous (i.v.) injection of HER2+ tumor cells, the first vaccine administration was given. Repeated every 2nd week during the study
- All mice vaccinated with E2SB-C001 with adjuvant were tumor-free
- 73% of mice (8/11) vaccinated with ES2B-C001 without adjuvant were tumorfree, the remaining had 1-2 tumor lung nodules





Progression as Planned

Important steps as ES2B-C001 is moving closer to the planned clinical Phase I trial in 2024

GMP Manufacturing

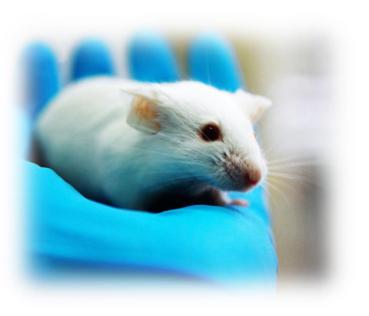
- Certified GMP (Good Manufacturing Practice) Manufacturers selected and Work Order Statements executed
- ExpreS²ion's processes for manufacturing of material for HER2 antigen and VLP are transferred to the contract manufacturers
- Development of GMP manufacturing processes are progressing as planned

Preclinical Safety

- Certified GLP (Good Laboratory Practice) CRO (Contract Research Organisation) selected and Master Service Agreement executed
- In accordance with feedback from DKMA (Danish Medicines Agency) preclinical safety studies have been planned in two species (1-month short-term testing in a rodent and nonrodent model) as well as long-term general GLP study in NHP (non-human primates)
- The in vivo part of the short term rodent safety study has been carried out, and the final report of the study is expected end of Q4 2022







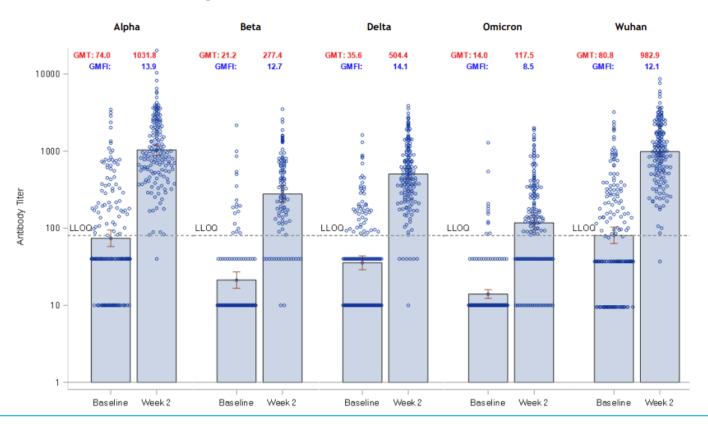


ABNCoV2 COVID-19 Vaccine

Bavarian Nordic completed the Phase II study, and initiated the Phase III study

Phase II results confirms ABNCoV2 as universal booster

- Evaluation of ABNCoV2 as a booster vaccine in individuals with existing immunity. The study also assessed neutralizing immune responses against circulating variants of SARS-CoV2
- Strong boosting effect across all variants of concern
- Level of neutralizing antibodies at levels reported to be associated with high level of protection (>90%)¹
- Level of neutralizing antibodies lowest for beta and omicron



Phase III study 1st vaccination on 2nd Sept. 2022

- 4,000 previously vaccinated subjects who will receive a booster vaccination with ABNCoV2 or an mRNA-based vaccine, aiming to demonstrate non-inferiority of ABNCoV2 to the licensed mRNA vaccine
- Manufacturing of vaccine bulk for the trial has been completed, filling now ongoing at BN's own manufacturing line



Trial initiated 2nd September 2022 and with anticipated headline results towards end 2022

Bavarian Nordic plans a rolling submission and potential in 2023



Partnership with Bavarian Nordic

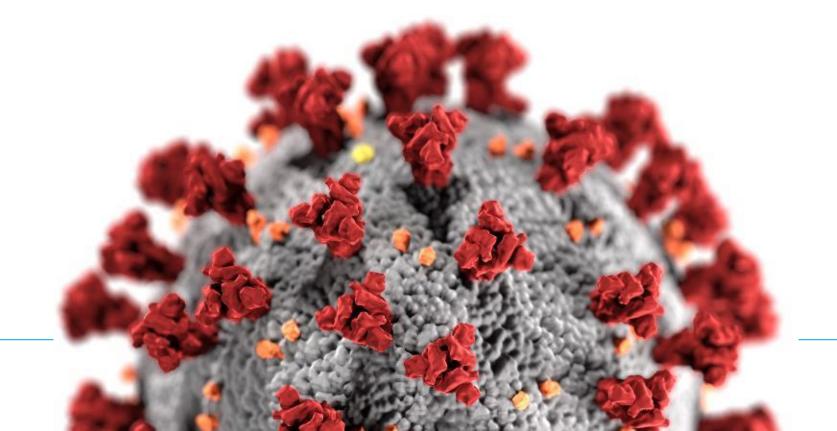
ABNCoV2 is already out-licensed with near-term revenue streams supporting ExpreS²ion

AdaptVac receive from Bavarian Nordic

- EUR 4 million upfront (paid in July 2020)
- Up to EUR 136 million in development and sales milestones
- Single- to double-digit-% royalties of Bavarian revenues

ExpreS²ion receive from AdaptVac

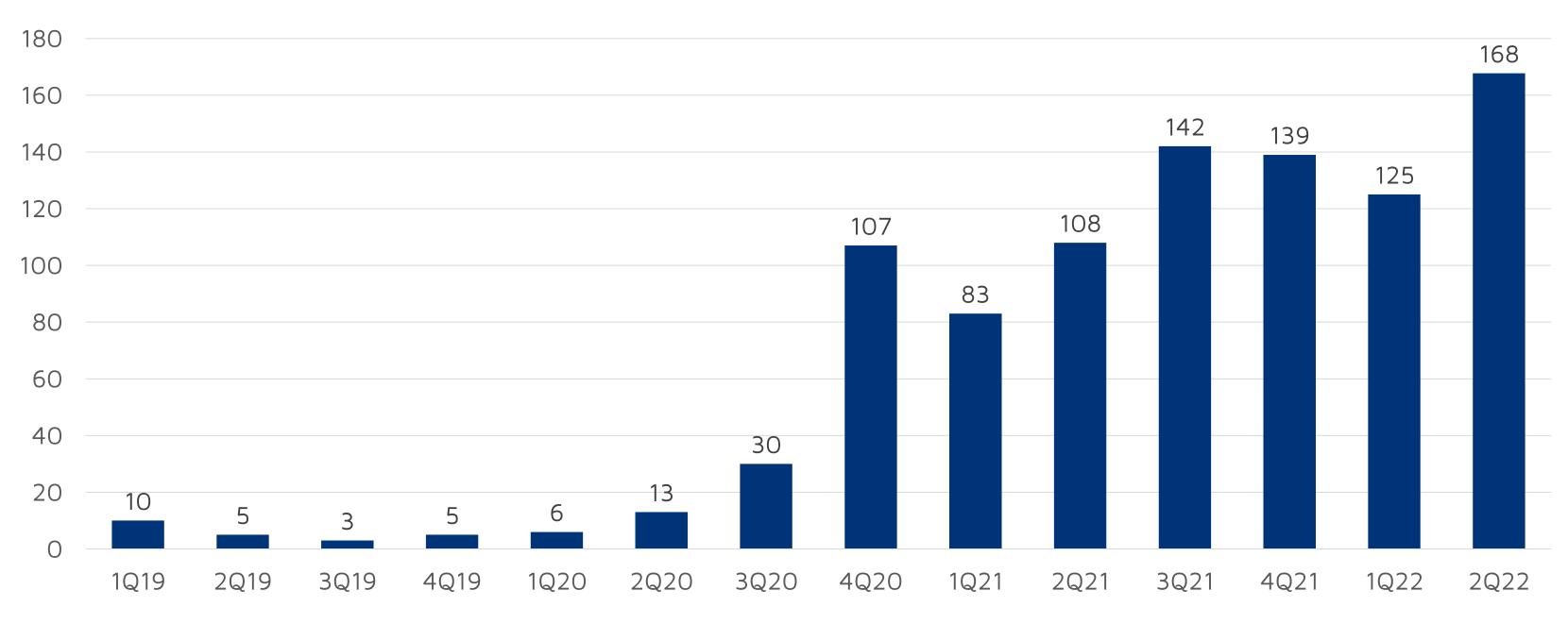
- 34% ownership of AdaptVac
- Up to EUR 2 million in commercial milestone payments
- Lower double-digit percentage of AdaptVac royalties





Cash Balance¹, 2019-2022 Quarterly

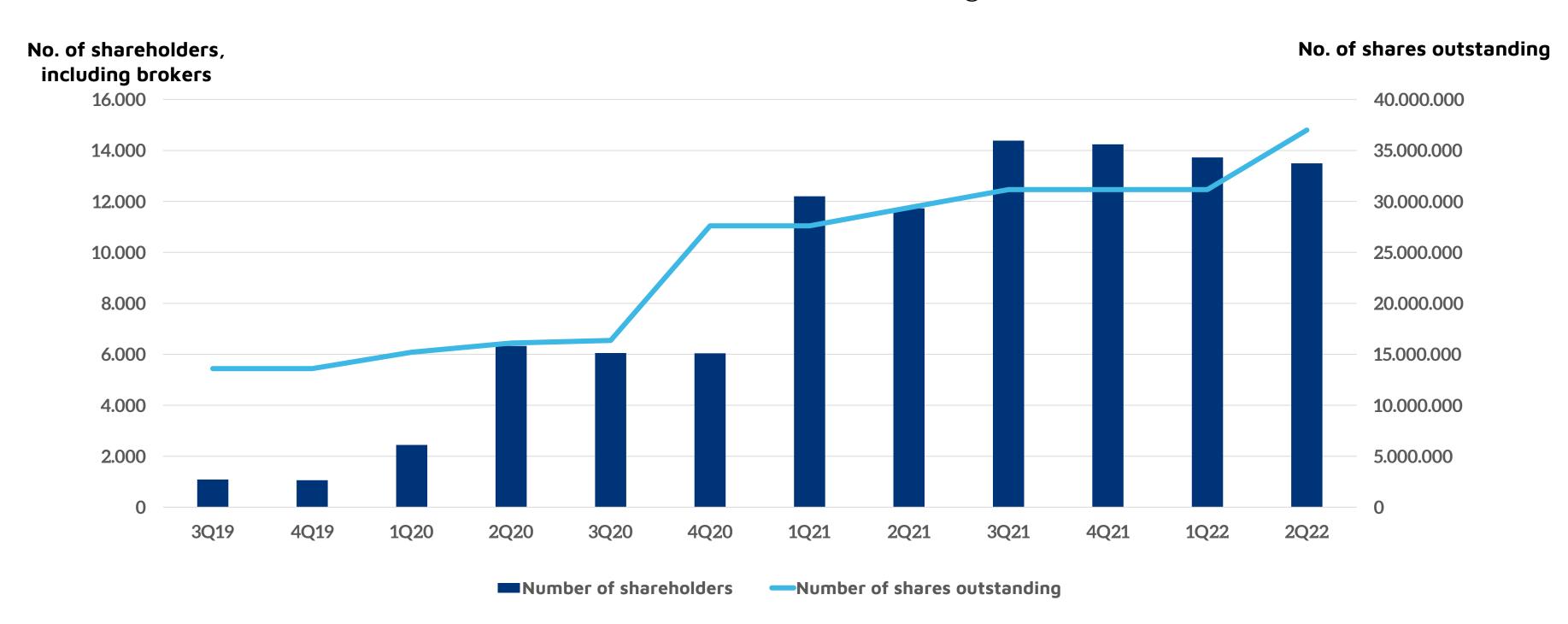
SEK millions





Shareholder Composition

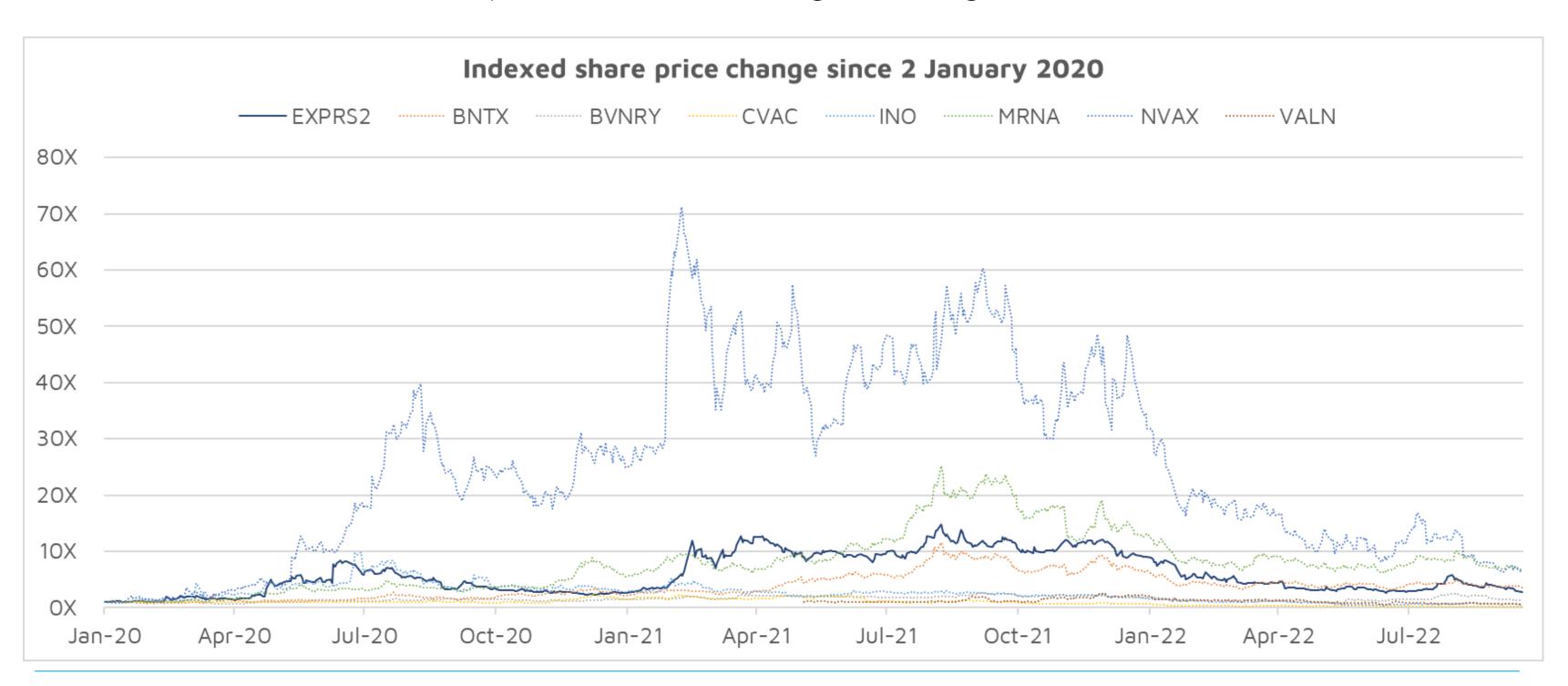
No. of shareholders has increased to ~14,000, now holding ~37.6 million shares





Peer Comparison Market Valuations

Lower sales estimates and systematic risk taking reducing COVID-19 vaccine valuations





Advancing Towards Key Catalysts

| | 202 | | | 2 | 20 | 2023 | | 2024 | |
|----------|---|---|---|--|---|--|---|--|--|
| age of | CORONAVIRUS (ABNCoV2) | | | | | | | | |
| № | ØBN Phase II study initiation Q3 21 | Ø BN Phase II study readout H1 2022 | Ø BN Phase III study initiation Q3 2022 | BN Phase III initial trial results towards end of 2022 | BN initiating rolling submission in H1 2023 | BN ready for market launch (subject to regulatory approval) | | | |
| Huus | BREAST CANCER (ES2B-C001) | | | | | | | | |
| 1 // | | in-licensing (Feb animal studies proof-of-concept | | GMP manufacturing processing | Preclinical safety studies readout | Filing of clinical study application H2 2023 | Initiation of first human clinical study 2024 | Outlicensing window opens pending human data | |
| | INFLUENZA | | | | | | | | |
| | | | | cGMP/Preclinical safety studies initiation (subject to new grant funding) | | | | | |
| | MALARIA | | | | | | | | |
| | | olished in malaria launched | ditional phase I study in a endemic region in Africa during 2021, with eve adjuvant | Pfs 48/45 phase I study initiation 2022 | RH5-VLP initiation 2023 | phase I RH5 phase I study readout H2 2023 | | | |

