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Management Team

Experienced team with combined >150 years' experience from the life sciences industry



Bent U. Frandsen, CEO

- MSc in Finance/Strategic Management, Copenhagen Business School, Denmark
- >25 years industry finance, business dev. and management experience











Coloplast AGC Biologics Insgene



Dr. Farshad Guirakhoo, CSO

- PhD in Virology from the Medical University of Vienna, Austria, and an MSc in Genetics from the International Institute for Biophysics and Biochemistry at the University of Tehran
- >30 years of broad translational research experience in the vaccine development field









Keith Alexander, CFO

- MBA, The Wharton School and the University of Pennsylvania, USA
- >20 years of equity research, corporate strategy, asset management and consulting experience





J.P.Morgan





Dr. Mattis F. Ranthe, CMO

- Medical Diploma and PhD in Epidemiology from University of Copenhagen. MSc in Drug Development Science from King's College, London
- Broad clinical and research experience, 7 years in Pharma















Max Soegaard, SVP of R&D and Technology

- PhD in Biochem., UCL, UK, and MSc in Molecular Biology; AU, Denmark
- >20 years academic and industrial research experience







- PhD in Immunology, and a MSc in Chem Eng., Tech. Univ of Denmark
- >20 years industrial research experience















Investment Highlights

We turn complex proteins into tomorrow's vaccines



High-potential pipeline of key focus within infections diseases and oncology, backed up by strong intellectual property rights. Targeting sizeable unmet medical needs and markets



Vaccine development platform with strong track record and partner validation and regulatory approved for late-stage clinical development. +500 proteins produced while posting +90% success rate



Global vaccine market continually growing, from USD 34bn (2017), USD 127bn (2021), to USD 202bn (2022) corresponding to 494% growth (2017-2022)



ExpreS²ion is advancing towards key catalysts during 2023, further de-risking the company's pipeline.

• COVID-19 vaccine clinical Phase III read-out mid-2023. Moving towards commercial launch in 2023-24.



Unique Technology Platforms

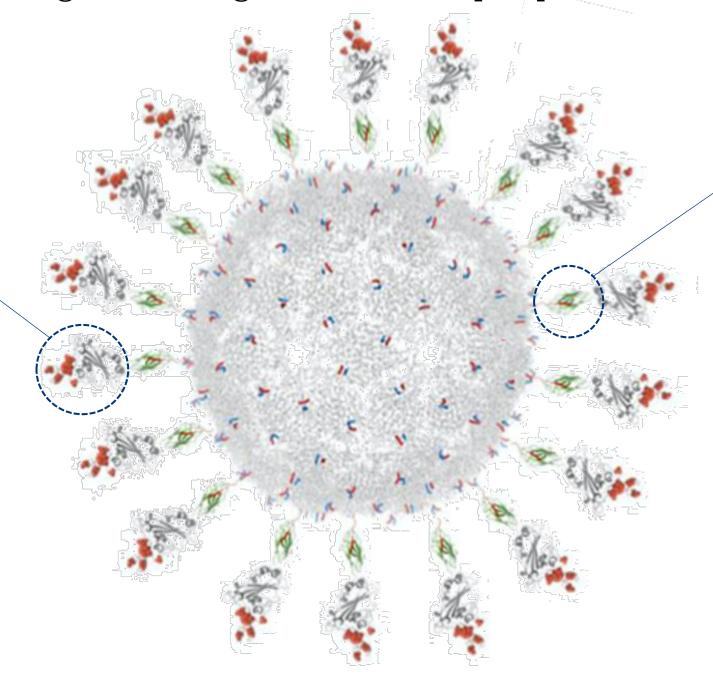
Combines a highly immunogenic antigen with unique presentation technology

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)
- Produces the complex surface proteins (antigens), which are critical to immune system recognition and response

100% ownership

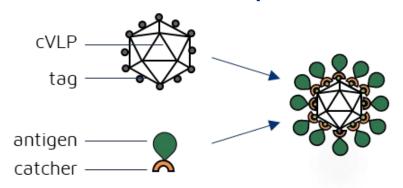
ExpreS2™ technology platform applied to express antigens in all pipeline assets, including therapeutic HER2 vaccine, Covid-19, Influenza, CMV, and Malaria



Particle (VLP) technology

 AdaptVac's proprietary viruslike 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



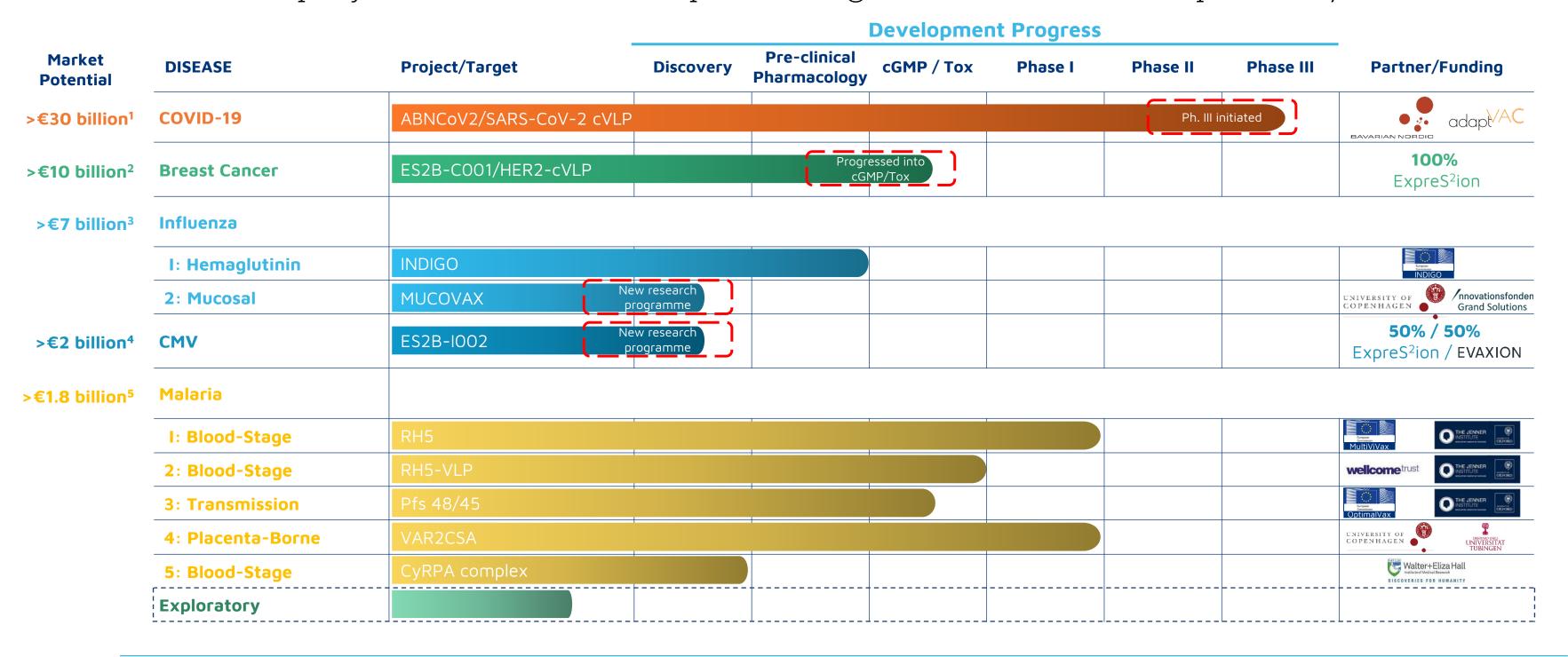
cVLP: Capsid Virus Like Particle

Same technology platform applied for the therapeutic HER2 vaccine and COVID-19 vaccine ABN-CoV2



Deep Vaccine Pipeline for Value Creation

Numerous projects across all development stages with additional exploratory focus



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

Proteins for Life

Foliable Data, 2022, 101 HER2+ Oreast Caricel

3 Fortune Business Insight, Influenza Vaccine market size 2022-2029, 2022

4 Market estimate from Moderna, 41st Annual J.P. Morgan Healthcare Conference (Presentation)

5 Data bridge market research, Global Malaria Vaccines Market – Industry trends and Forecast to 2029, 2022

Note: AdaptVac is a joint venture between ExpreS2ion (34% owned) and NextGen Vaccines (66% owned)



ABNCoV2 – Next generation COVID-19 vaccine

Strong boosting effect across variants of concern



High level of protection – no need for adjuvant



Similar increase in NAbs for Wuhan and Omicron





Durability across variants of concern



Stability at room temperature



Next milestones: 12-month durability data and Phase III results





Partnership with Bavarian Nordic

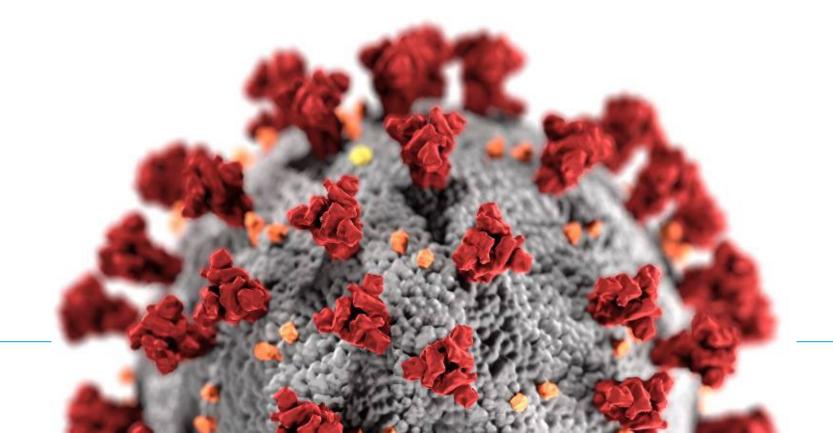
ABNCoV2 is out-licensed with near-term revenue streams supporting ExpreS²ion

AdaptVac receives 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 receives from AdaptVac

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





Breast Cancer - The Most Common Cancer

1 in 8

women will be diagnosed with invasive breast cancer in her lifetime

~25%

are HER2-positive, which is associated with more aggressive tumors and reduced survival.

685,000

deaths worldwide in 2020 due to breast cancer¹

Global market size expected to growth to USD 32 billion by 2026³





Current Breast Cancer treatments

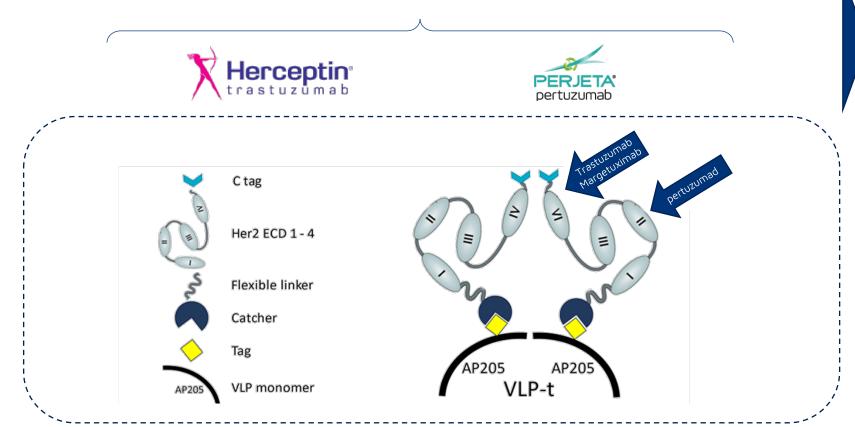
The ES2B-C001 vaccine can offer significant benefits compared to current treatment options

Existing therapies

Significant drawbacks exist with existing therapies²

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



Monoclonal antibodies target one epitope. ES2B-C001 with four subdomains generates a broad polyclonal antibody response

- 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 HER2-targeted vaccine approach offers potential to overcome some of the drawbacks through internal polyclonal antibody production

Proteins for Life

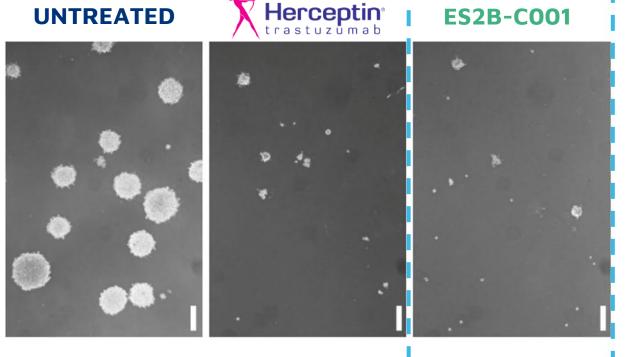




ES2B-C001 Overcomes Herceptin Resistance

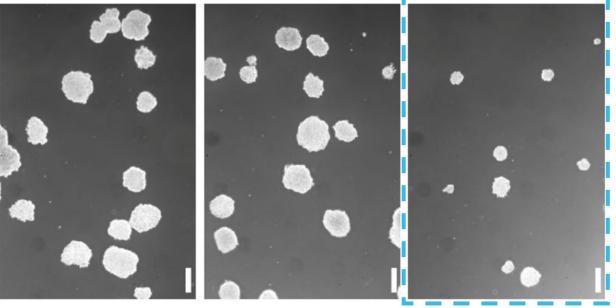
The soft agar human cancer cell growth inhibition assay provides in vitro evidence

Trastuzumabsensitive HER2+ human cancer cells¹



Both Herceptin (trastuzumab) and ES2B-C001 inhibited growth in the trastuzumab-sensitive cells

Trastuzumab- resistant HER2+
human cancer cells



Only ES2B-C001 inhibited growth in the trastuzumab-resistant cells; cells were unresponsive to Herceptin



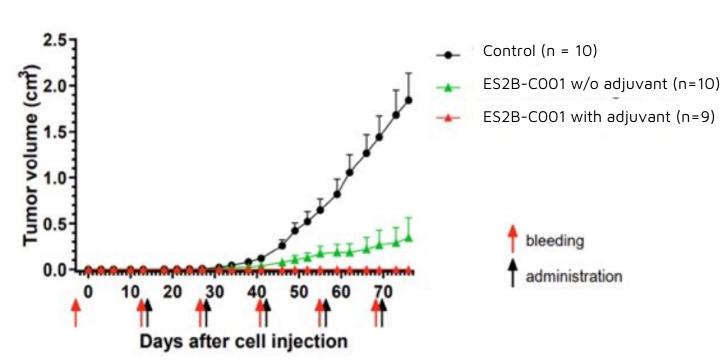


ES2B-C001 Preclinical Proof-of-Concept

ES2B-C001 has demonstrated animal proof-of-concept

Effectively inhibited tumor development

Tumor growth in FVB mice (HER2-intolerant)

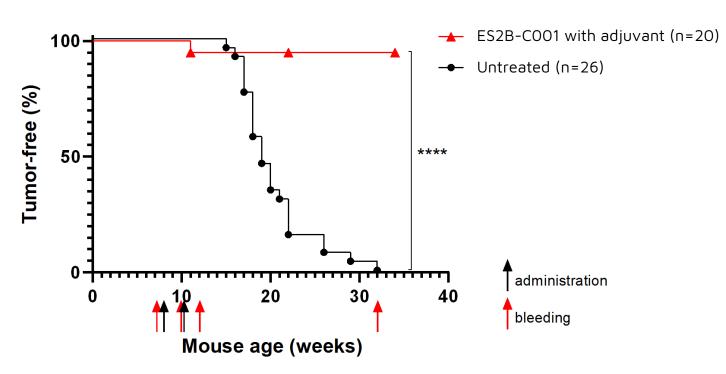


• Two weeks after the inoculation of tumor cells, the first vaccine administration was given. Repeated every 2nd week during the study

• 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

Kaplan-Meier survival curves ****p<0.0001 by the log-rank test



- 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



Advancing Towards Key Catalysts

