9th June 2022 H C Andersen Capital Webinar

Proteins for Life

Q1 2022 Financial Report Bent U. Frandsen, CEO

EXPRESION BIOTECHNOLOGIES

Disclaimer

This company presentation (the "**Company Presentation**"), which is personal to the recipient, is issued by ExpreS²ion Biotech Holding AB (the "**Company**"). The Company Presentation has been prepared for information purposes only and is not to be relied upon in substitution for the exercise of independent judgement. The Company Presentation may not be reproduced, redistributed, passed on or published, in whole or in part, to any other person for any purpose. Unless otherwise stated, the Company is the source for all data contained in the Company Presentation. Such data is provided as at the date of this Company Presentation and is subject to change without notice. The Company Presentation (together with any further information which may be provided to the addressee) is made available on the condition that it is for use only by the addressee specified above for the sole purpose of evaluating the Company and shall not be passed on to any other person or copied or reproduced, copied, distributed, disclosed or published in whole or part and shall be immediately returned along with any other copies or destroyed at any time at the request of Company. The Company Presentation is solely for your information and should not be relied upon and shall not confer rights or remedies upon, you or any of your employees, creditors, holders of securities or other equity holders or any other person. No representation or warranty, express or implied, is made by the Company or any of its directors, officers, employees, representatives, advisers or agents or any other person or entity as to the fairness, reasonableness, adequacy, accuracy or completeness of the information, statements or opinions, whichever its source, contained in this document (including any written or oral information made available to any interested party in connection thereto), and no liability whatsoever is accepted by any such person in relation to any such information or opinion. The information contained herein has been prepared to assist interested parties in making their own evaluation of the Company and its credit worthiness and does not purport to be all-inclusive or to contain all information that prospective investors may desire or that may be required to properly evaluate the business, prospects or value of the Company. The information in this Company Presentation has not been independently verified. No representation or warranty, expressed or implied, is made as to, and no reliance should be placed on, the fairness, accuracy or completeness of the information or opinions contained herein. The Company or any of their respective subsidiaries or affiliates or any of such person's directors, officers or employees, advisers or other representatives, accepts any liability whatsoever (whether in negligence or otherwise) arising, directly or indirectly, from the use of this Company Presentation or otherwise arising in connection therewith. The Company is under no obligation to submit further information. By receiving this Company Presentation and/or attending a presentation concerning the contents hereof you acknowledge that you will be solely responsible for your own assessment of the Company and that you will conduct your own analysis and be solely responsible for forming your own view of the potential future performance of the Company. This Company Presentation includes forwardlooking statements. All statements other than statements of historical fact included in this Company Presentation, including, without limitation, those regarding the Company's financial position, business strategy, management plans and objectives for future operations are forward-looking statements. These forward-looking statements involve known and unknown risks, uncertainties and other factors, which may cause the Company's actual results, performance, achievements or industry results to be materially different from those expressed or implied by these forward-looking statements. Forward-looking statements speak only as of the date of this Company Presentation and Vator Securities and the Company expressly disclaim any obligation or undertaking to release any update of, or revisions to, any forward-looking statements in this Company Presentation as a result of any change in expectations or any change in events, conditions or circumstances on which these forward-looking statements are based. No representation is made that any of these forward-looking statements or forecasts will come to pass or that any forecast result will be achieved.



Investment Highlights

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



High-potential pipeline of key focus, backed up by Contract Research Organization (CRO) business, that has generated SEK 60 million since IPO in 2016



Vaccine development platform with track record and partner validation. +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, further de-risking the company's pipeline. COVID-19 phase III initiation in H1 2022

Proteins for Life



Deep Pipeline for Value Creation

Development Progress								
DISEASE	Project/Target	Discovery	Pre-clinical Pharmacology	cGMP / Tox	Phase I	Phase II	Phase III	Partner/Funding
Coronavirus	ABNCoV2/SARS-CoV-2 cVLP							adaptic
Breast Cancer	ES2B-C001/HER2 cVLP							100% ExpreS ² ion
Influenza	Hemagglutinin							European Commission INDIGO
Malaria:								
I: Blood-Stage	RH5							European Commission MultiViVax
2: Blood-Stage	RH5-VLP							
3: Transmission	Pfs 48/45							European Commission OptimalVax
4: Placenta-Borne	VAR2CSA							UNIVERSITY OF COPENHAGEN
5: Blood-Stage	CYRPA complex							Walter+Eliza Hall Institute of Medical Research

Note: AdaptVac is an associated company, of which ExpreS²ion owns 34%

Proteins for Life



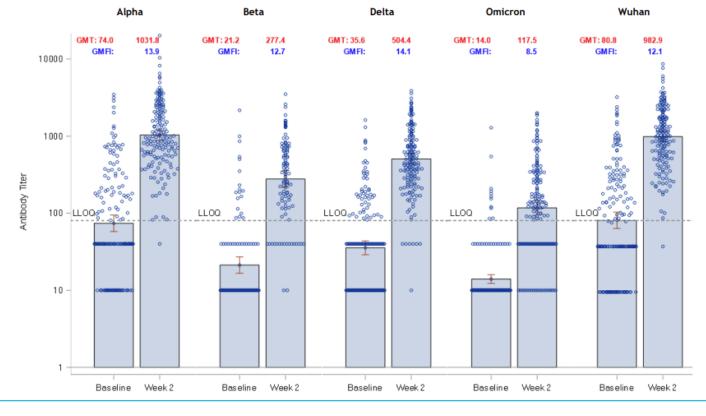
Development Progress



ABNCoV2 COVID-19 Vaccine Bavarian Nordic completes the Phase II study, and on path for Phase III study initiation

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 ٠ associated with high level of protection (>90%)¹
- Level of neutralizing antibodies lowest for beta and omicron ٠



Phase III study planned to start in 2nd quarter of 2022

- vaccine

Trial planned for initiation in Q2 2022 and with anticipated completion before year-end

1) P. B. Gilbert et al., Science 10.1126/science.abm3425 (2021)

Proteins for Life



BAVARIAN NORDIC

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

Manufacturing of vaccine bulk for the trial has been completed, filling now ongoing at BN's own manufacturing line

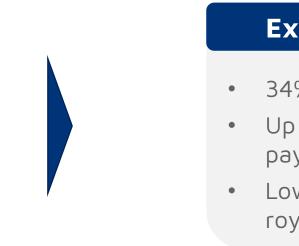


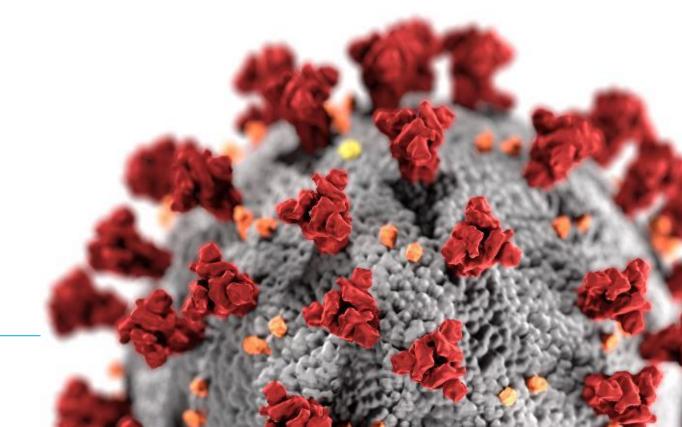
Bavarian Nordic expects approval and launch in 2023

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) ٠
- Up to EUR 136 million in development and sales milestones
- Single- to double-digit-% royalties of Bavarian revenues





Proteins for Life

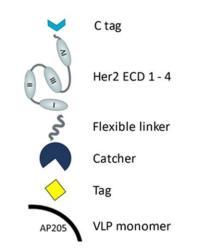


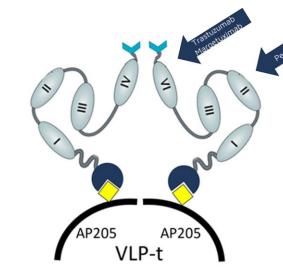
ExpreS²ion receive from AdaptVac

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

Breast Cancer Overview

The ES2B-COO1 vaccine can offer significant benefits compared to current treatment options





- ٠
- develops, costs USD 30-50k

ExpreS²ion's HER2-cVLP vaccine approach offers potential to overcome drawbacks through internal antibody production

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



Pallerla et al. 2021. Cancer Vaccines, Treatment of the Future: With Emphasis on HER2-Positive Breast Cancer, International Journal of Molecular Sciences.; Krasniqi et al. 2019. Immunotherapy in **Proteins** for Life HER2-positive breastcancer: state of the art and futureperspectives, Journal of Hematology & Oncology.





Resistance to monoclonal antibodies may develop

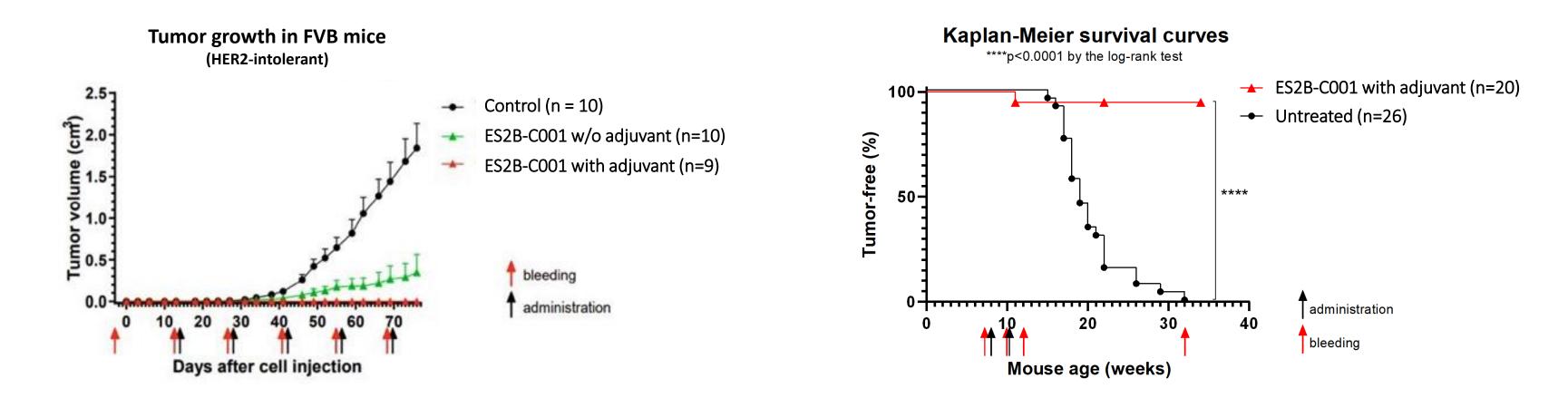
Potential for cardiac toxicity

Repeated administration required: 28-day half-life requires administration every 3rd week until remission or resistance



ES2B-CO01 has demonstrated proof-of-concept

Effectively inhibited tumor development in FVB mice



- Two weeks after the intramammary fat pad (i.m.f.p.) inoculation of HER2+ • tumor cells, the first vaccine administration was given. Repeated every 2nd week during the study
- ES2B-CO01 formulated in an adjuvant totally blocks tumor development ES2B-C001 without adjuvant blocks tumor development in 7/10 FVB mice
- •
- tumors within 32 weeks



Prevented tumor development in delta16 HER2 tg mice

At mouse aged 6-8 weeks, 2 vaccinations with 2 weeks interval were administered to Delta16 HER2 transgenic mice (HER2-tolerant)

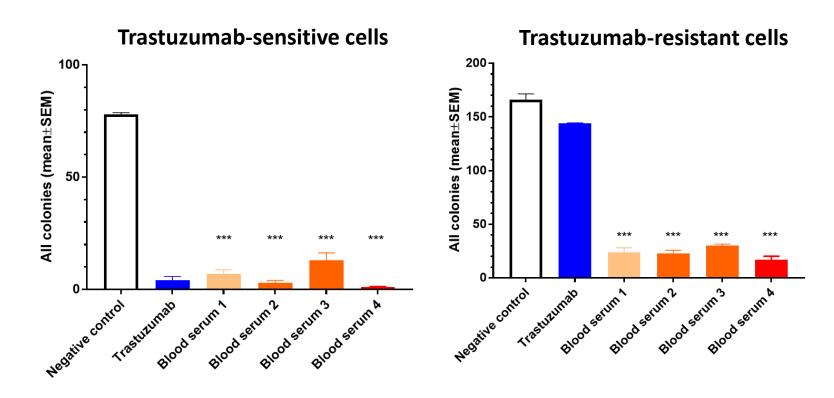
Two vaccinations prevented tumor development with 95% efficiency as compared to a control group, where all mice spontaneously developed

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

ES2B-CO01 has demonstrated proof-of-concept

Overcomes trastuzumab-resistance of tumors in vitro

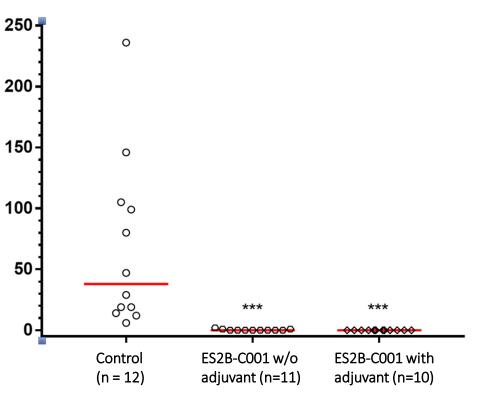
Lung metastases (red line = median)



- •
- •
- *In vitro* PoC data in a growth inhibition assay: Blood serum from ES2B-C001-• vaccinated mice significantly inhibited the growth of HER2+ trastuzumabsensitive as well as trastuzumab-resistant human tumor breast cancer cells



Inhibited tumor development in delta16 HER2 tg mice



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-COO1 without adjuvant were tumorfree, the remaining had 1-2 tumor lung nodules

Advancing Towards Key Catalysts

		202	2023		
de f					
	 ØBN Phase II ØBN Phase II study initiation study readout (Q3'21) H1 2022 	BN Phase III study initiation H1 2022	BN Phase III initial readout H2 2022	BN ready for market launch (subject to regulatory approval)	
Hillis Li	BREAST CANCER (ES2B-COO1)				
1 /	in-licensing (Feb animal studies p	proof-of-concept	GMP manufacturing processing	Preclinical safety studies readout	Fi st H
	INFLUENZA				
				cGMP/Preclinical safety studies initiation 2023	
-	MALARIA				
Υ V N	 Phase IIa results from the Rh5 vaccine published in 2021 Phase IIa results from the Rh5 vaccine published in alaria endemic region in Africa Iaunched during 2021, with alternative adjuvant 		RH5-VLP phase initiation 2023		



		2024
Filing of clinical study application H2 2023	Initiation of first human clinical study 2024	Outlicensing window opens pending human data
e I RH5 phase I study readout H2 2023		

Management Team

>200 years of professional skills and experience from the life sciences industry



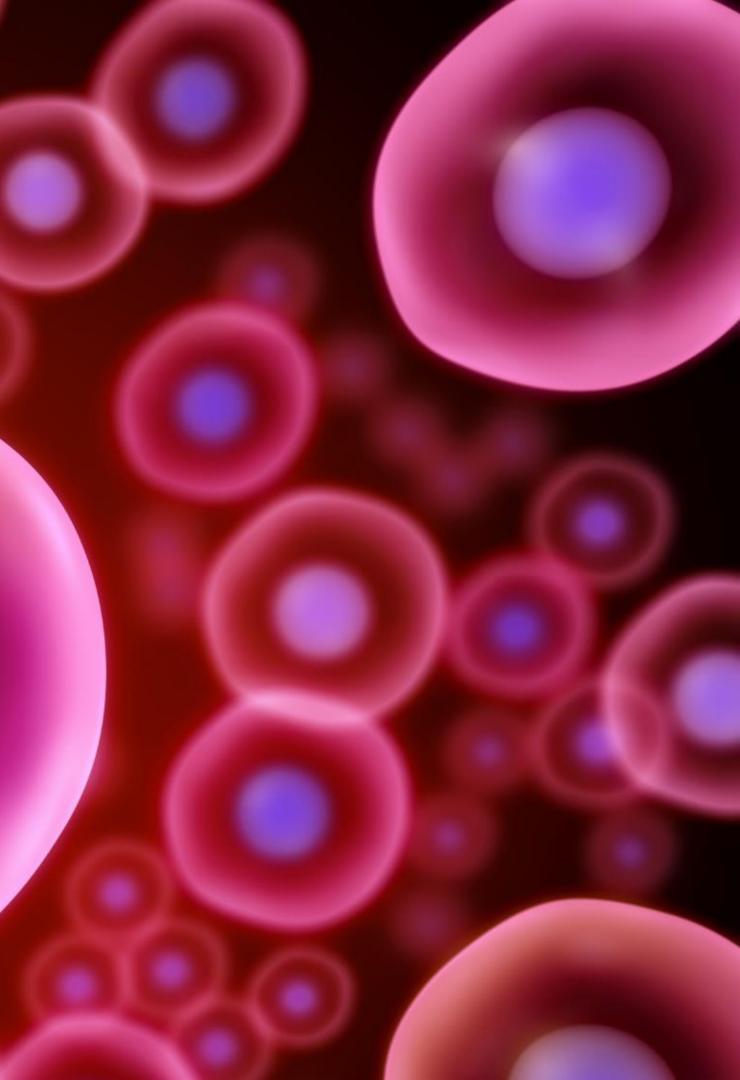




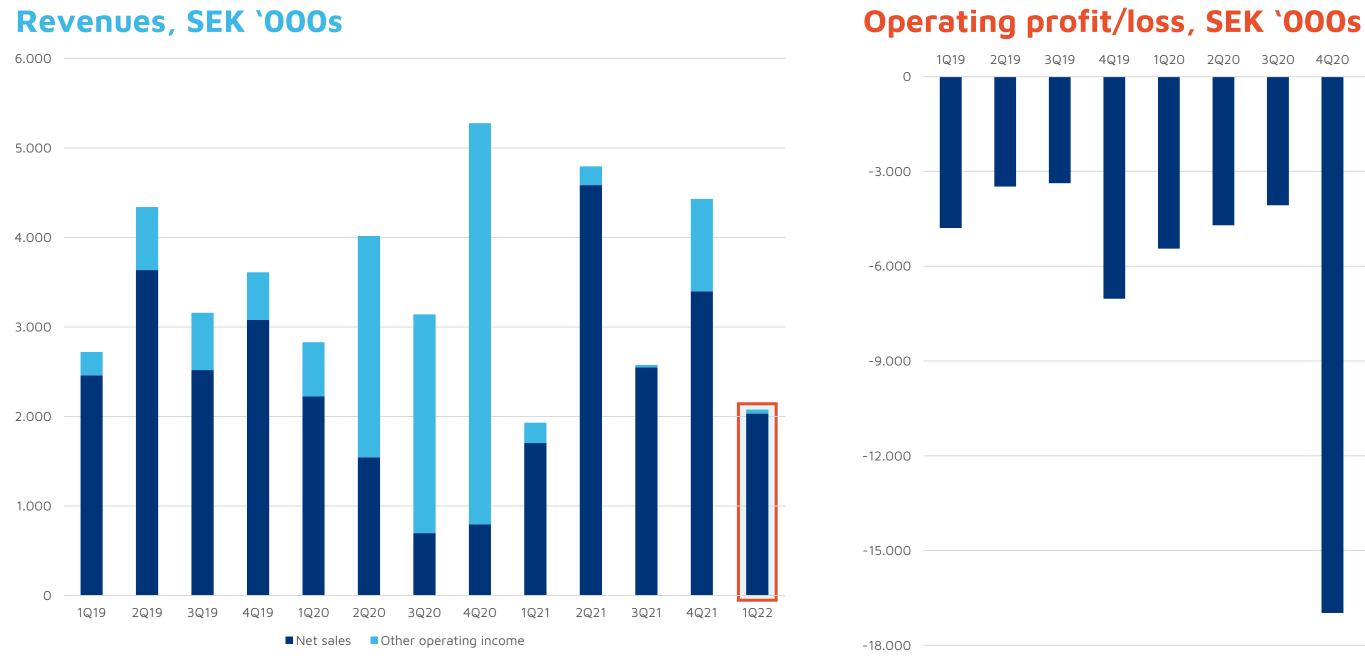
- Bent U. Frandsen, Chief Executive Officer • Dr. Martin R. Jensen, Chairman & Co-founder • Keith Alexander, Chief Financial Officer • Dr. Allan Rosetzsky, Member of the Board • **Dr. Max Soegaard**, VP R&D and Technology • Jakob Knudsen, Member of the Board • **Dr. Mette Thorn**, VP Preclinical Development • Dr. Karin Garre, Member of the Board • Dr. Mattis F. Ranthe, Chief Medical Officer • Sara Sande, Member of the Board



Q1 2022 Financial Results



Income Statement, 2019-2022 Quarterly



Proteins for Life

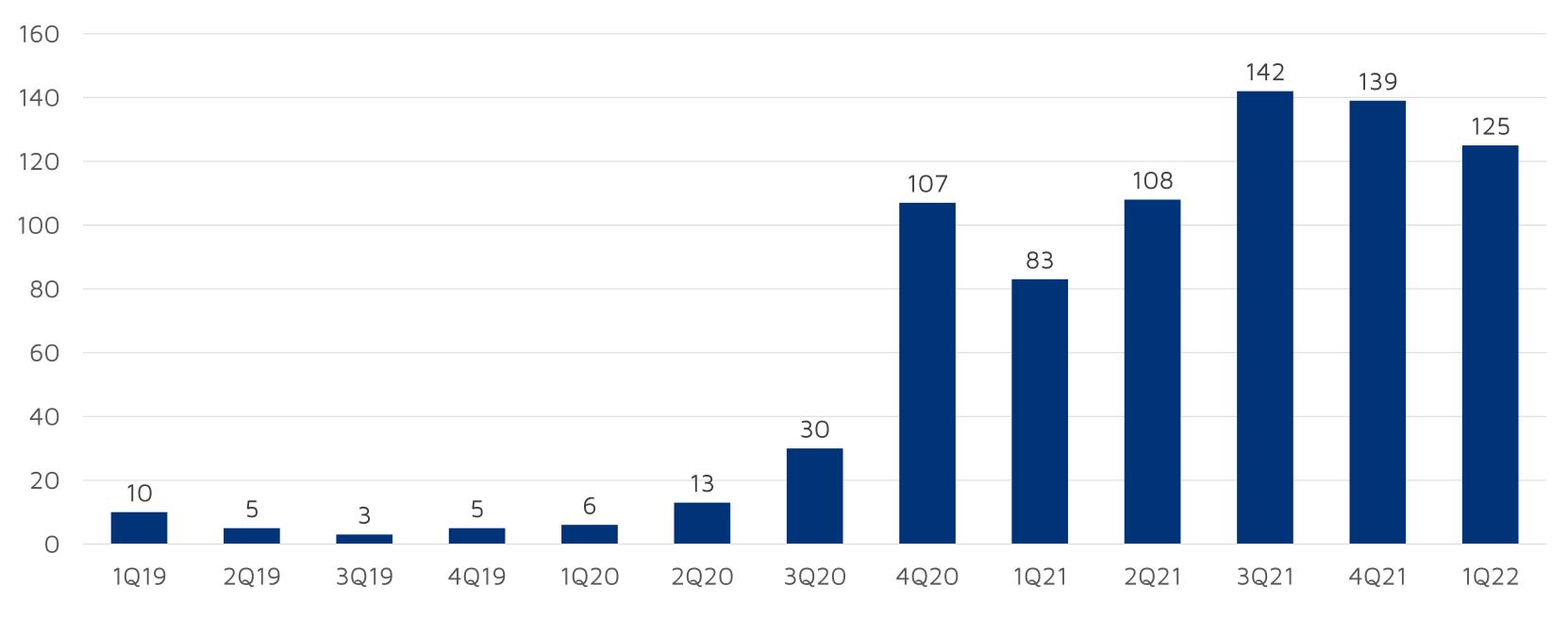


4Q19 1Q20 2Q20 3Q20 4Q20 1Q21 2Q21 3Q21 4Q21 1Q22

13

Cash Balance¹, 2019-2022 Quarterly

SEK millions



¹ For Q4 2021 and Q1 2022, the cash balance combines funds on the Company's SKAT account (interest-free tax asset with Denmark's tax authorities), and cash and bank. At the end of 1Q 2022, the Company had SEK 85 million in its SKAT account (interest-free tax asset with Denmark's tax authorities), shown in other short-term investments. When combined with cash and bank, the company had SEK 125 million available to fund operations. See page 15 of the 1Q 2022 report for more information. Since the end of the quarter, the Company raised an additional approximately SEK 73 million before transaction costs in a rights issue completed on May 5th, 2022.

Proteins for Life





Rights Issue Completed Successfully

- Fully guaranteed new share issue of a maximum of 5,841,256 shares with preferential rights for the Company's existing shareholders completed on 5th May 2022
- The subscription price in the Rights Issue was set at SEK 12.50
- A total of 4,966,355 new shares have been subscribed for, corresponding to **approximately 85 percent**
- The remaining 874,901 new shares, approximately 15.0 percent, have been subscribed for through • quarantee undertakings
- Proceeds of approximately SEK 73 million before deduction of transaction costs •
- The net proceeds derisk our pipeline efforts and will be used as to
 - advance the breast cancer vaccine candidate ES2B-COO1 to completion of the preclinical safety studies
 - advance other pipeline development projects, including within Influenza and Malaria
 - support the strategic CRO business and invest in core technologies and IP to strengthen competitive edge •





Thank you!

Contact:

Proteins for Life

EXPRES²ION BIOTECHNOLOGIES