



REDEYE GROWTH DAY
JUNE 2, 2020

MEDIVIR
SCIENCE WORKING WONDERS

Important notice

You must read the following before continuing. The following applies to this document and the information provided in this presentation by Medivir AB (publ) (the "Company") or any person on behalf of the Company and any other material distributed or statements made in connection with such presentation (the "Information"), and you are therefore advised to carefully read the statements below before reading, accessing or making any other use of the Information. In accessing the Information, you agree to be bound by the following terms and conditions.

The Information does not constitute or form part of, and should not be construed as, an offer of invitation to subscribe for, underwrite or otherwise acquire, any securities of the Company or a successor entity or any existing or future subsidiary or affiliate of the Company, nor should it or any part of it form the basis of, or be relied on in connection with, any contract to purchase or subscribe for any securities of the Company or any of such subsidiaries or affiliates nor shall it or any part of it form the basis of or be relied on in connection with any contract or commitment whatsoever. Specifically, this presentation does not constitute a "prospectus" within the meaning of the U.S. Securities Act of 1933, as amended.

The Information may not be reproduced, redistributed, published or passed on to any other person, directly or indirectly, in whole or in part, for any purpose. The Information is not directed to, or intended for distribution to or use by, any person or entity that is a citizen or resident of, or located in, any locality, state, country or other jurisdiction where such distribution or use would be contrary to law or regulation or which would require any registration or licensing within such jurisdiction. The Information is not for publication, release or distribution in the United States, Australia, Canada or Japan, or any other jurisdiction in which the distribution or release would be unlawful.

All of the Information herein has been prepared by the Company solely for use in this presentation. The Information contained in this presentation has not been independently verified. No representation, warranty or undertaking, express or implied, is made as to, and no reliance should be placed on, the fairness, accuracy, completeness or correctness of the Information or the opinions contained herein. The Information contained in this presentation should be considered in the context of the circumstances prevailing at that time and will not be updated to reflect material developments which may occur after the date of the presentation. The Company may alter, modify or otherwise change in any manner the content of this presentation, without obligation to notify any person of such revision or changes.

This presentation may contain certain forward-looking statements and forecasts which relate to events and depend on circumstances that will occur in the future and which, by their nature, will have an impact on the Company's operations, financial position and earnings. The terms "anticipates", "assumes", "believes", "can", "could", "estimates", "expects", "forecasts", "intends", "may", "might", "plans", "should", "projects", "will", "would" or, in each case, their negative, or other variations or comparable terminology are used to identify forward-looking statements. There are a number of factors that could cause actual results and developments to differ materially from those expressed or implied in a forward-looking statement or affect the extent to which a particular projection is realized. Factors that could cause these differences include, but are not limited to, implementation of the Company's strategy and its ability to further grow, risks associated with the development and/or approval of the Company's products candidates, ongoing clinical trials and expected trial results, the ability to commercialize existing and any future products, technology changes and new products in the Company's potential market and industry, the ability to develop new products, the impact of competition, changes in general economy and industry conditions and legislative, regulatory and political factors. While the Company always intends to express its best judgment when making statements about what it believes will occur in the future, and although the Company bases these statements on assumptions that it believes to be reasonable when made, these forward-looking statements are not a guarantee of its performance, and you should not place undue reliance on such statements. Forward-looking statements are subject to many risks, uncertainties and other variable circumstances. Many of these risks are outside of the Company's control and could cause its actual results to differ materially from those it thought would occur. The forward-looking statements included in this presentation are made only as of the date hereof. The Company does not undertake, and specifically decline, any obligation to update any such statements or to publicly announce the results of any revisions to any of such statements to reflect future events or developments.

An oncology-focused development company set for growth

Proprietary nucleotide-prodrug platform

- Multiple opportunities for breakthrough oncology products
- Spearheaded by MIV-818 and MIV-828

Advanced clinical programs for partnering/out-licensing

- Remetinostat, Birinapant and MIV-711

The company

- Experienced leadership team and effective organization
- Focus on clinical development and business development

Dr Yilmaz Rahshid appointed new CEO at Medivir

- Yilmaz starts at Medivir in the fall
- He is currently CFO at PledPharma
- Previously he was Investment Manager at Industrifonden
- He has also been Healthcare Analyst at Pareto Securities and at Öhman Fondkommission
- Yilmaz received a PhD from the Karolinska Institute.

The nucleotide-prodrug concept: A versatile source of new oncology products

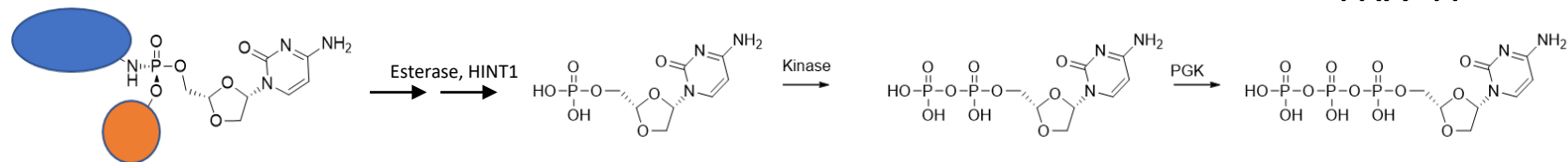
- By combination of “prodrug tail” and a nucleotide, a tunable uptake in target cell/tissue can be achieved.
- Once in the cancer cell, the prodrug is cleaved and an active nucleotide metabolite is formed.
- This concept has the potential to provide oncology products with an improved efficacy/tolerability profile.

Nucleotide prodrug	Indication	Research	Preclinical	Phase I	Exclusivity
MIV-818	HCC				IP : 2035
MIV-828	AML				IP : Est 2039
"MIV-838"	Blood cancer				IP : Est 2040

MIV-818: A liver-directed nucleotide

- MIV-818 is an oral prodrug
- Once absorbed from the GI-tract, MIV-818 is transported to the liver
- The prodrug is taken up by liver cancer cells and converted into troxacitabine triphosphate (TRX-TP)
- TRX-TP is incorporated into DNA and causes double-strand DNA breaks and cell death

MIV-818 (prodrug)



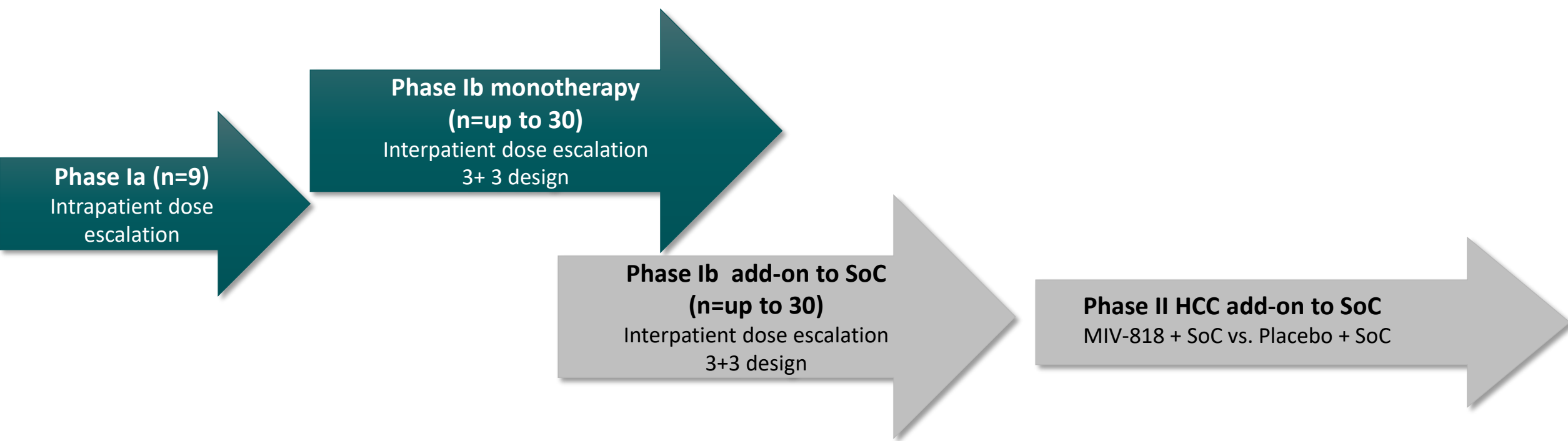
MIV-818: A nucleotide-prodrug for hepatocellular carcinoma (HCC)

- In May 2020, FDA granted MIV-818 orphan drug designation for treatment of HCC.
- In April 2020, EMA provided positive opinion on orphan medicinal drug designation for MIV-818 in treatment of HCC.

HCC is the most common form of primary liver cancer:

- Third leading cause of cancer-related deaths globally
- Orphan disease in western markets, high incidence in Asian markets
- Five year survival: 11%
- Genetically heterogeneous; no good molecularly targeted therapy available
- First line therapy; sorafenib and lenvatinib

MIV-818: Clinical development plan in advanced HCC

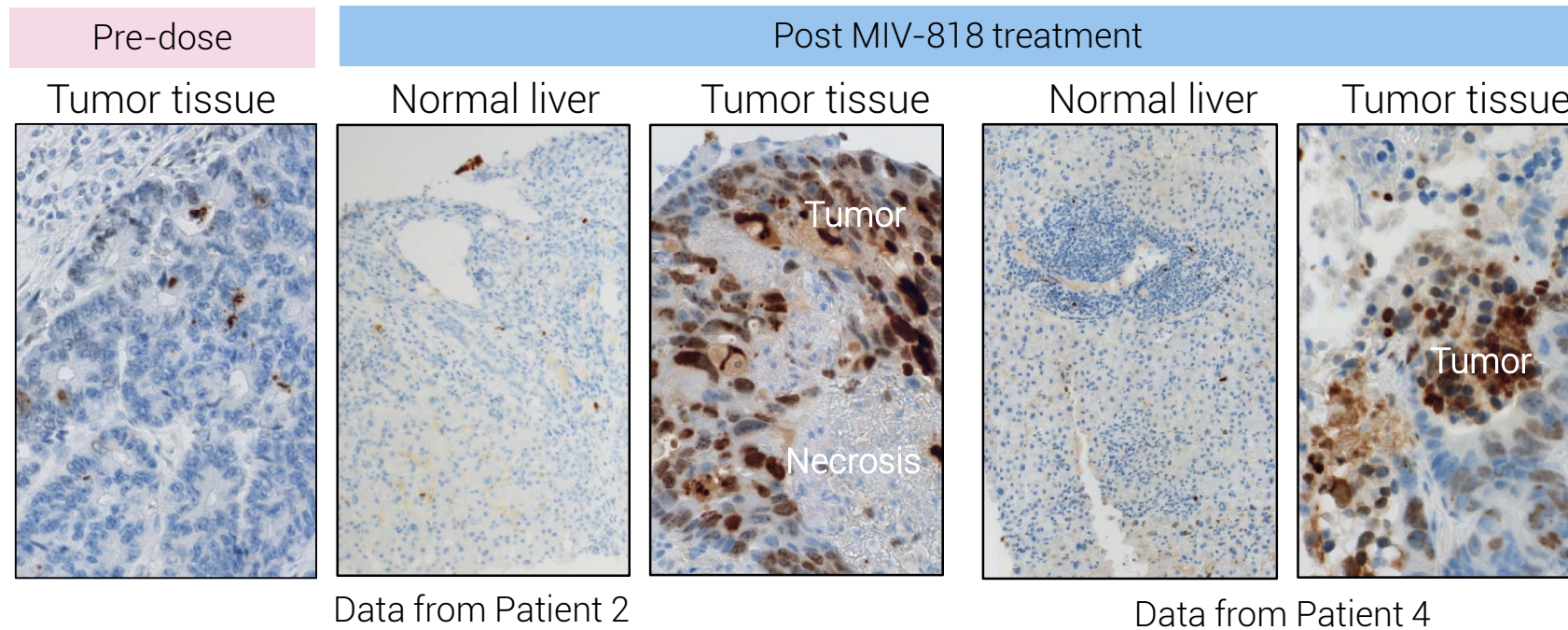


Unique mechanism of MIV-818 enables add-on treatment to approved therapies

SoC = Standard of Care

MIV-818: Selective effect signal in liver cancer in phase Ia

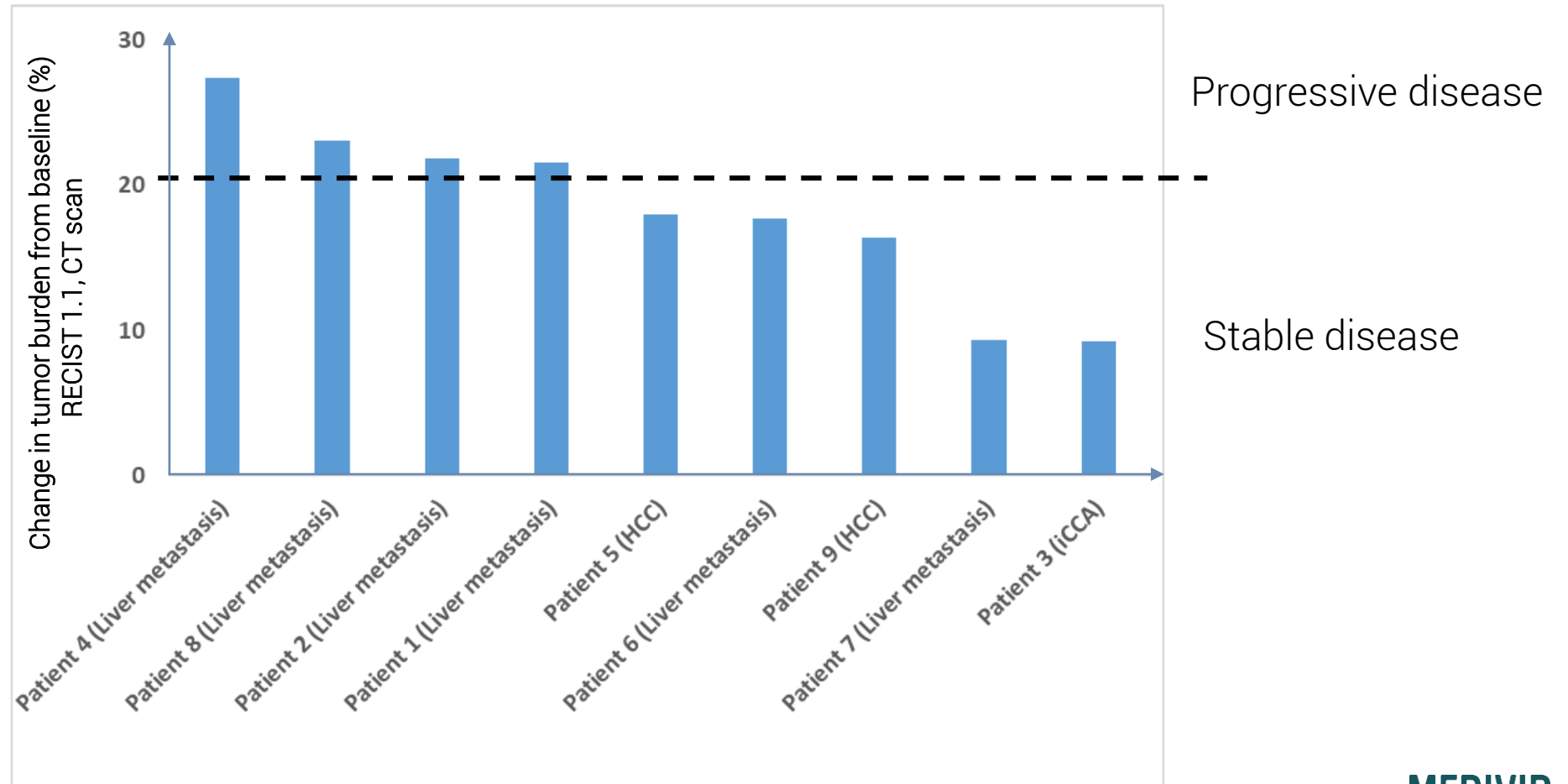
- Clear signs of effect, measured as DNA damage, observed in liver biopsies from tumor tissue in MIV-818 treated patients. Normal liver tissue does not appear to have been affected
- The tumor selective effect is an early proof-of-concept of the intended liver-directed effect in patients
- DNA damage also observed in hypoxic liver cancer regions (not shown)



Evidence of DNA damage in tumor but not in normal liver tissue

MIV-818: Phase Ia change in liver tumor burden after treatment

Tumor burden change assessed by RECIST 1.1



MIV-818: Conclusions from phase Ia

- Adverse events were generally mild and the few severe adverse events were reversible
- Only low levels of MIV-818 and acceptable exposure to troxacitabine were observed in blood after two treatment cycles
- Liver biopsies showed selective DNA damage in tumor tissue and minimal or no impact of MIV-818 in healthy liver tissue
- Five out of nine patients achieved stable disease after MIV-818 treatment

MIV-828 for acute myeloid leukemia

Profile of MIV-828

- Nucleotide prodrug given intravenously
- Active metabolite shown to have potent anti-leukemic activity in preclinical in vivo AML models
- Increased activity and reduced susceptibility to pharmacologic resistance mechanisms of prodrugs
- Preclinical activity also demonstrated against T-cell lymphoma

Opportunity in hematological cancers

- Better tolerated and more effective agent in patients with relapsed/refractory AML and other hematological cancers
- Overcomes multiple resistance mechanisms and shows synergy with most approved AML therapeutics
- Shows efficacy in targeting AML cancer stem cells

Acute myeloid leukemia (AML) leads to an overproduction of abnormal immature cells in the bone marrow and prevents development of normal blood cells, which could lead to anemia, bleeding episodes and a high susceptibility for severe infections.

- Expected new cases 2018: US: ~ 19,500; EU: ~ 43,000; Sweden: ~ 350
- Affects all ages, median age at diagnosis 68 years in the US
- Five-year survival: 50% in younger patients (<60y) and less than 10% in patients > 70y

Three advanced clinical-stage assets for partnering

- The phase III ready remetinostat – a topical HDAC inhibitor for cutaneous T-cell lymphoma (MF-CTCL) and potentially basal cell carcinoma (BCC) and squamous cell carcinoma (SCC).
- The bivalent SMAC mimetic birinapant – currently in one combination study: head and neck cancer (HNC) with radiation.
- The cathepsin K inhibitor MIV-711 for osteoarthritis (OA) - has the potential to be the first disease modifying OA medicine.

Nucleotide prodrug	Indication	Phase I	Phase II	Phase III	Exclusivity
Remetinostat	MF-CTCL				IP : 2034
	BCC				
	SCC				
Birinapant	HNC				IP : 2034
MIV-711	Osteoarthritis				IP : 2034

Financial summary

(SEK m)	Q1		Full Year
	2020	2019	2019
Net turnover	7.3	2.0	8.7
Profit/loss before tax	-23.4	-55.9	-123.3
Cash and cash equivalents at period end	116.6	228.6	134.6

- Net turnover for Q1 2020 was SEK 7 million
- Loss of the quarter Q1 2020 was SEK -23 million
- 12 FTE:s end of May
- Cash position as of March 31, 2020: SEK 117 million
- Market cap as of May 27, 2020: approximately SEK 369 million