

XVR013m, a variant-proof antibody with exceptional potency to prevent and treat COVID-19

WWW.EXEVIR.COM

Company growth and key milestones since foundation











Founded in 2020, during the SARS-CoV-2 pandemic to develop heavy chain-only antibody (VHH) based treatments

In **2021, Phase 1a & 1b** trials completed for COVID-19 1st generation treatment

In 2022, development of 2nd generation antibodies for COVID-19 prevention and treatment targeting highly conserved epitopes in the spike protein

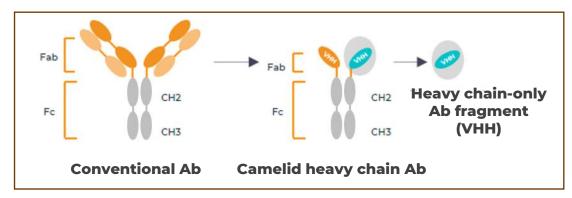
In 2023, pipeline extension with focus on dengue and pandemic preparedness

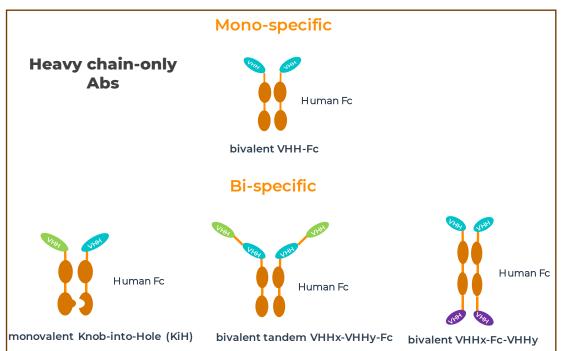
WWW.EXEVIR.COM © 2024 EXEVIR BIO BV. ALL RIGHTS RI

Key differentiators from conventional monoclonal Abs



Ease to make multi-specifics, smaller and access to hidden epitopes





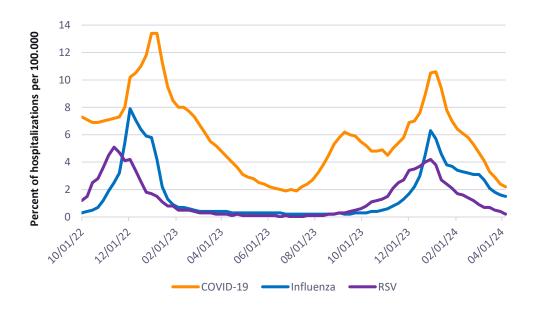
- Modular VHH building blocks provide unique combinatory flexibility
- Potential to access unique and occluded epitopes that are often well conserved
 - Small size (80 kDa VHH-Fc) vs 150kDa for traditional Ab
 - Extended CDR3 regions
- Advantage of multi-specifics: reduced risk of viral escape by targeting more than 1 epitope
- Favorable solubility, stability and biodistribution profiles supporting rapid and better tissue penetration
- Possibility for production in Pichia pastoris for more rapid and cost-effective manufacturing

WW.EXEVIR.COM © 2024 EXEVIR BIO BV. ALL RIGHTS RESERVED.

COVID-19: Remains worldwide the most important respiratory ID ExeVir

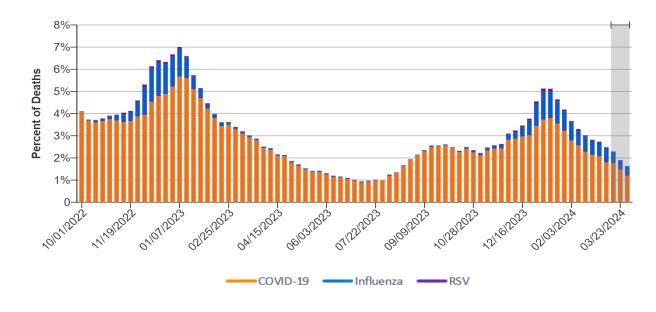


Cumulative **hospitalization** rate for COVID-19 is 3x higher than influenza and 5x higher than RSV



US data (01 OCT 2022 – 01 APR 2024)

Cumulative **death** rate for COVID-19 is 6x higher than influenza



US data (01 OCT 2022 – 23 MAR 2024)

COVID-19 is here to stay

COVID-19: Urgent and high unmet medical need for protection of vulnerable populations



Unmet medical need

841.000

Hospitalizations* during 2023/24 season in US¹

65.000

deaths during 2023/24 season in US¹

Immunocompromised: ~4% of US population²

- Account for 22% of hospitalizations³
- Account for 24% of deaths³

Elderly: ~17% of US population⁴

- Account for 67% of hospitalizations³
- Account for 88,4% of deaths³

* Trip

Vaccines

- IC and elderly may not respond adequately to vaccination
- Vaccines are **not variant-proof** and **yearly update** required



Medicines

- Intense treatment schedules
- Severe **side effects**
- Drug-drug interactions often incompatible with medication



Antibodies

- Essential as additional layer of protection for IC and elderly
- All **previously authorized antibodies** (AZ, Regeneron, VIR, Celltrion) are **no longer active** against circulating variants
- Only one recently approved (EUA) antibody works (Invyvid)
 - o RBD-targeting antibody sensitive to viral escape
 - o High IV dose in hospital setting
 - o 3 months duration of protection

WW.EXEVIR.COM © 2024 EXEVIR BIO BV. ALL RIGHTS RESERVED.

^{*} Mean length of hospital stay is 15 days, mean cost per patient is \$64,029

1, CDC, COVID Data Tracker; 2. Evans et al, The Lancet, 2023; 3. Airfinity internal analyst report; 4. Total and Percentage of Elderly in Nursing Homes: 2023 Data (aplaceformom.com)

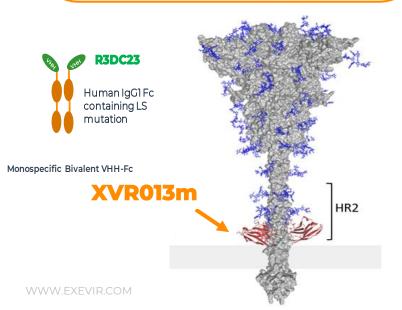
COVID-19: Exceptional broad neutralizing potency and high resilience against all SARS-CoV-2 variants tested



ExeVir's solution:

XVR013m

- Highly conserved epitope in S2 subunit, unmutated across all previous and current VOC, VOI and VUM
- variant-proof
- Target duration of protection up to 6m
- Target SC administration



Pseudovirus neutralization data

Variant	Mean IC50 (ng/mL)	XVR013m	VYD222
Reference	D614G	6,4	8,4
Omicron	XBB.1.5	3,6	104,3
	XBB.2.3	4,0	87
	XBB.1.16	3,6	77,6
	FL.1.5.1	3,7	-
	EG.5.1	4,3	-
	HK.3	4,6	72,3
	HV.1	3,0	41,2
	BA.2.74	3,5	-
	BA.2.86.1	3,0	167,7*
	JN.1	2,8	74,6

- VYD222 data against BA.2.86 variant
- Data unknown

Relative to reference virus D614G:

No impact (<5-fold)

5<x<25-fold reduction in potency

"After careful consideration of the scientific rationale, mechanism of action, scientific data and unique features of ExeVir's technology, I am convinced that it holds great promise in meeting the unmet medical needs of the vulnerable populations."

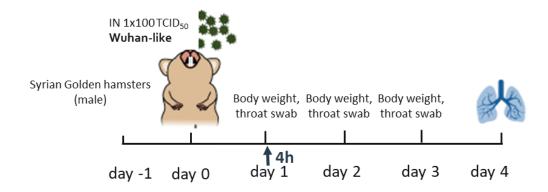
Roger Paredes, MD, PhD

Head, Department of Infectious Diseases, Hospital Universitari Germans Trias i Pujol, Barcelona, Spain

Adjunct Professor, Center for Global Health and Diseases, Department of Pathology, Case Western Reserve University School of Medicine, Cleveland, OH, USA

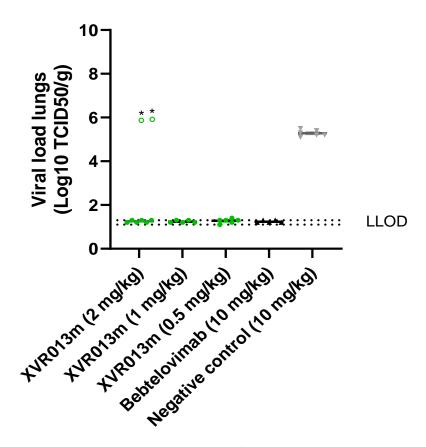
COVID-19: *In vivo* efficacy demonstrated in SARS-CoV-2 hamster post-exposure treatment challenge model





- Low XVR013m doses of 2mg/kg to 0,5mg/kg evaluated in Syrian Golden Hamster model
- Infectious viral loads in the lungs completely reduced below detection levels in all animals treated with XVR013m
- → Efficacy of XVR013m demonstrated in animal challenge model, even at extremely low dose of 0,5 mg/kg

Lung infectious viral load



Lung infectious viral titers in Syrian golden hamster post-infection challenge model (Wuhan strain) on day 4 post infection. Mean values + standard error of the mean (SEM) are reported. *Two animals in 2 mg/kg group were experimentally confirmed in PK assays to not have been exposed to the drug. Dotted lines represent the lower limit of detection (LLOD) range.

Highlights: Potential best- and/or first-in-class antibodies for ID



Potential best-in-class antibodies for COVID-19

Lead candidate: XVR013m

- ✓ Potential best-in-class, variant-proof
- ✓ Pre-IND ready, Candidate for EUA

Targeting highly attractive markets

COVID-19 prevention in IC and elderly

- ✓ Well defined patient populations poised for-growth
- ✓ Huge patient demand for effective prevention and treatment

VHH-Fc platform

- ✓ Multi-specific antibodies targeting difficult to reach epitopes
- ✓ Platform ideally suited to address growing infectious diseases markets (e.g. dengue) and pandemic preparedness

Backed by blue chip healthcare investors and industry leaders



- Raised **€42M in Series A** funding round
- Raised ~€18M in non-dilutive funding
 - Horizon Europe grant of € 9.9M and €3.6M SPW-Recherche repayable advance and €4.6M VLAIO grants;
- Option for **€25M Venture Debt from EIB**



















Board of Directors



Jeanne Bolger Independent Chair



Erica Whittaker VP & Head of UCB Ventures



Jérôme Van Biervliet Managing Director VIB Independent Director



Michel Kazatchkine



Stef Heylen Represents SFPI-FPIM



Caroline Thielen Investment manager at S.R.I.W



Kenneth Bonheure Represents Fund+



Philippe Durieux Board Observer Partner at Vives



Katja Rozenkranz Board Observer Partner at V-Bio Ventures



Fiona du Monceau Board Observer Previous COO ExeVir