



Advancing Vaccines for Better Lives

Company Presentation



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Fully integrated specialty vaccine company focused on development and commercialization of **prophylactic vaccines for infectious diseases** with significant unmet medical need



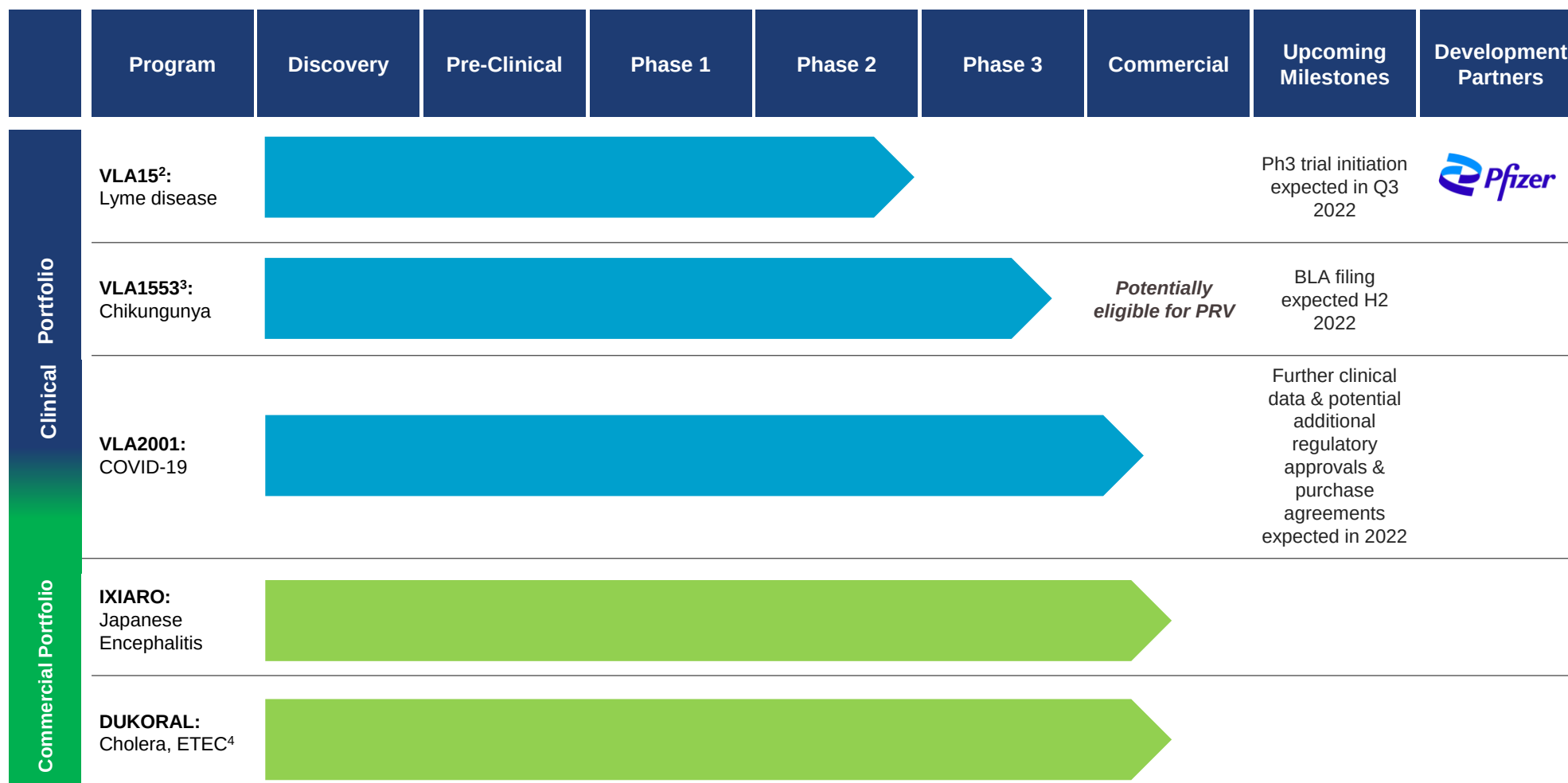
- **Highly specialized and targeted approach to development of unique prophylactic vaccines**
 - **Advanced pipeline of differentiated clinical-stage assets** designed to address large target populations
 - **Highly experienced leadership team with vaccine development and regulatory expertise;** clear demonstrated ability of rapidly moving new vaccines through the clinic to commercialization
 - **Highly developed, nimble and sophisticated manufacturing infrastructure**
 - **Specialist sales infrastructure: Two commercialized vaccines; distribution rights for 3rd-party vaccines**
-
- **Total revenues of €348.1 million in 2021, compared to €110.3 million in 2020**
 - **Strong cash position of €311.3 million at March 31, 2022**
 - **€430-€590 million in total revenues expected in 2022**

Research & Development





Valneva has an Advanced Clinical Pipeline and Three Approved Products¹



¹ As of May 6, 2022, VLA2001 has been granted emergency use authorization by the Bahraini NHRA and Conditional Marketing Authorization by the UK MHRA. ² VLA15 received Fast Track designation from the FDA. ³ VLA1553 received Fast Track designation from the FDA, PRIME designation from the European Medicines Agency and is also potentially eligible for a U.S. Priority Review Voucher. ⁴ Indications differ by country - Please refer to Product / Prescribing Information (PI) / Medication Guide approved in your respective countries for complete information, incl. dosing, safety and age groups in which this vaccine is licensed, ETEC = Enterotoxigenic Escherichia coli (E. Coli) bacterium

Lyme Disease Vaccine – VLA15



Lyme Disease is a Major Health Issue

Severe Tick-transmitted Infection, Increasingly Common in the US and Europe

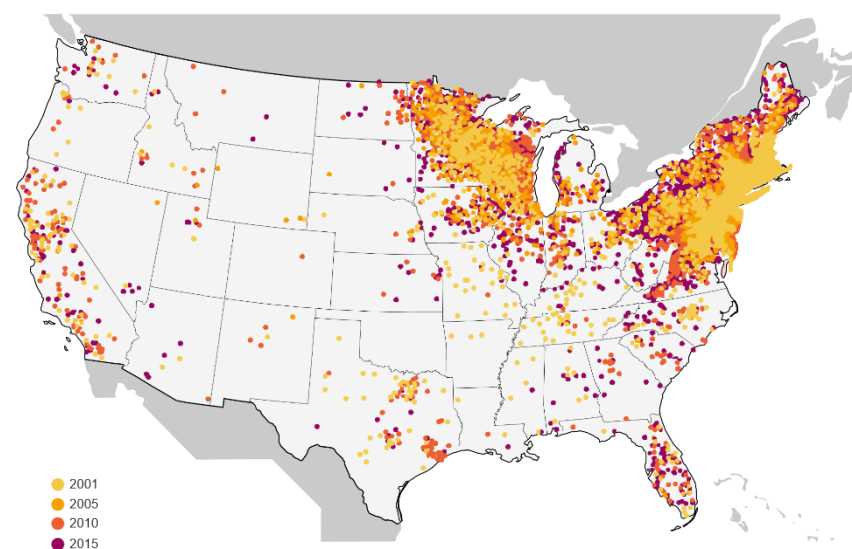
Early signs include **flu-like symptoms**¹ and **Erythema migrans rash**² which, if left untreated, can spread to joints (**arthritis**), heart (**carditis**) and cause **neurological problems**

No available treatment to protect against Lyme disease

Global market estimated to reach \$1 billion by 2030

Direct medical costs in the U.S. estimated up to \$1.3 billion each year – indicating an attractive health economic benefit³

Spread of Lyme Across the US⁴



¹ Fever, chills, headache, fatigue, muscle and joint aches, swollen lymph nodes. ² Occurs in approx. 70-80% of infected persons. ³ Adrion, E. et al PLOS ONE Feb 2015.

⁴ Centers for Disease Control and Prevention



VLA15: Multivalent Lyme Disease Vaccine Candidate

Only Lyme Disease Program in Advanced Clinical Development Today



1

FDA Fast Track Designation granted

2

Exclusive, worldwide partnership with Pfizer

3

Positive results reported from Phase 2 trials^{1,2,3}, incl. first pediatric data and booster response⁴; Phase 3 schedule selected

4

Multivalent vaccine (six serotypes) to help protect against Lyme disease in the United States and Europe

5

Follows proven Mechanism of Action for a Lyme disease vaccine

1 Valneva announces positive initial results for Phase 2 study of Lyme Disease vaccine candidate; 2 Valneva announces positive initial results for second Phase 2 study of Lyme Disease vaccine candidate VLA15. 3 Valneva and Pfizer Report Further Positive Phase 2 Data for Lyme Disease Vaccine Candidate ; 4 Valneva and Pfizer Report Further Positive Phase 2 Results, Including Booster Response, for Lyme Disease Vaccine Candidate



VLA15: Development Progress and Outlook

Positive Phase 2 Results in Adults^{1,2,3,4} and Pediatric Participants⁵ Reported

VLA15-221 Phase 2 trial recruited 625 randomized participants, 5 to 65 years of age²

- Strong immunogenicity profile for both adult and pediatric participants reported in February³ and April 2022⁵, respectively
- VLA15 was found to be more immunogenic in pediatric participants (5-17 years old) than in adults with both two-dose or three-dose vaccination schedules

Phase 3 clinical trial planned to start in the third quarter of 2022

- Based on the latest Phase 2 immunogenicity and safety data, Valneva and Pfizer plan to proceed with a three-dose primary series vaccination schedule for both adult and pediatric participants⁵
- Clinical readout, based on one tick season, projected by end of 2023
- \$25 million milestone payment due to Valneva upon trial initiation

¹ Valneva and Pfizer Announce Initiation of Phase 2 Study for Lyme Disease Vaccine Candidate.; ² Valneva and Pfizer Complete Recruitment for Phase 2 Trial of Lyme Disease Vaccine Candidate; ³ Valneva and Pfizer Report Further Positive Phase 2 Data for Lyme Disease Vaccine Candidate; ⁴ Valneva and Pfizer Report Further Positive Phase 2 Results, Including Booster Response, for Lyme Disease Vaccine Candidate; ⁵ Valneva and Pfizer Report Positive Phase 2 Pediatric Data for Lyme Disease Vaccine Candidate

Chikungunya Vaccine – VLA1553





VLA1553: Single Shot Chikungunya Vaccine Candidate

Most Clinically Advanced Chikungunya Vaccine Program Worldwide

1

Final positive pivotal Phase 3 results¹ and topline lot-to-lot data² reported; Adolescent Phase 3 trial initiated in January 2022³

2

FDA Breakthrough Therapy⁴, Fast Track⁵ and EMA PRIME⁷ designations granted; Potentially eligible for Priority Review Voucher⁶; FDA Pre-submission process initiated

3

Single shot, live attenuated⁸ prophylactic vaccine targeting chikungunya virus neutralization

4

Up to \$23.4 million awarded to Valneva for R&D by CEPI; Partnership with Instituto Butantan for LMICs⁹

5

Excellent fit with existing commercial and manufacturing capabilities

6

Global market, including endemic regions, estimated to exceed \$500 million annually by 2032¹⁰

Note: Photo credit: James Gathany. **1** Valneva Announces Positive Phase 3 Pivotal Results for its Single-Shot Chikungunya Vaccine Candidate; **2** Valneva Announces Positive Lot-to-Lot Consistency Trial Results for its Single-Shot Chikungunya Vaccine Candidate; **3** Valneva Announces Initiation of Adolescent Phase 3 Trial for its Single-Shot Chikungunya Vaccine Candidate ; **4** Valneva Awarded FDA Breakthrough Designation for its Single-Shot Chikungunya Vaccine Candidate; **5** Valneva awarded FDA Fast Track Designation for Chikungunya vaccine candidate; **6** <https://www.fda.gov/about-fda/center-drug-evaluation-and-research-cder/tropical-disease-priority-review-voucher-program>; **7** Valneva's Chikungunya vaccine candidate awarded EMA prime designation; **8** CHIKV LR2006-OPY1 infectious clone was attenuated by deleting large part of gene coding nsP3 (alphavirus-replicase); **9** Valneva to partner with Instituto Butantan on single-shot Chikungunya vaccine for low- and middle-income countries ; **10** VacZineAnalytics Chikungunya virus vaccines Global demand analysis. February 2020.



VLA1553: Development Outlook

Pre-submission Discussions with the US FDA Initiated

First and only program to have reported positive Phase 3 results worldwide

- Six-month follow-up completed - all Phase 3 immunogenicity and safety endpoints met - seroprotection in 98.9% of participants after one month and 96.3% after six months - good safety and tolerability profile confirmed
- Positive topline lot-to-lot consistency trial results reported (VLA1553-302)², final data expected in Q2 2022
- Antibody persistence follow-up trial (VLA1553-303) ongoing: up to 375 volunteers from the VLA1553-301 trial will be followed annually for five years
- Adolescent Phase 3 trial initiated in January 2022 to support potential label expansion, funded by the Coalition for Epidemic Preparedness Innovations (CEPI)³

¹ [Valneva Successfully Completes Pivotal Phase 3 Trial of Single-Shot Chikungunya Vaccine Candidate](#); ² [Valneva Announces Positive Lot-to-Lot Consistency Trial Results for its Single-Shot Chikungunya Vaccine Candidate](#); ³ [Valneva Announces Initiation of Adolescent Phase 3 Trial for its Single-Shot Chikungunya Vaccine Candidate](#);

SARS-CoV-2 (COVID-19) Vaccine – VLA2001



VLA2001: Inactivated Whole Virus COVID-19 Vaccine Candidate

Only Inactivated COVID-19 Vaccine Program in the Clinic in Europe



1

Builds on Valneva's IXIARO® manufacturing technology, combined with Dynavax's CpG 1018 adjuvant¹

2

UK MHRA Conditional Marketing Authorization² and Bahraini NHRA Emergency Use Authorization received³; EMA rolling review ongoing

3

Advance purchase agreements for up to 60 million doses with European Commission⁴ and for one million doses with Bahrain⁵

4

Pivotal Phase 3 trial showed superiority vs. AstraZeneca's Vaxzevria and significantly more favorable tolerability⁶; Positive topline homologous booster data reported⁷; Shown to neutralize Omicron and Delta variants in laboratory studies⁸

5

Ongoing clinical trials aiming to gradually extend target product profile (label)

6

Leveraging Valneva's manufacturing sites in Scotland and Sweden; capacity being expanded, including CMO⁹ – targeting >100m doses per annum¹⁰

Note: Photo credit: CDC/Alissa Eckert, MSMI; Dan Higgins, MAM. ¹ Valneva and Dynavax announce commercial supply agreement for Inactivated, Adjuvanted COVID-19 vaccine; ² Valneva Receives Conditional Marketing Authorization from UK MHRA for its Inactivated COVID-19 Vaccine; ³ Valneva Receives Emergency Use Authorization from Bahrain for its Inactivated COVID-19 Vaccine VLA2001; ⁴ Valneva Signs Purchase Agreement with European Commission for its Inactivated COVID-19 Vaccine VLA2001; ⁵ Valneva Signs Advance Purchase Agreement with Bahrain for Inactivated COVID-19 Vaccine VLA2001; ⁶ Valneva Reports Positive Phase 3 Results for Inactivated, Adjuvanted COVID-19 Vaccine Candidate VLA2001; ⁷ Valneva Announces Positive Homologous Booster Data for Inactivated, Adjuvanted COVID-19 Vaccine Candidate VLA2001 – Valneva; ⁸ Valneva's Inactivated COVID-19 Vaccine Candidate Shown to Neutralize Omicron Variant; ⁹ Valneva and IDT Biologika Announce Collaboration for Production of Inactivated COVID-19 Vaccine VLA2001; ¹⁰ Based on a combination of in-house capacity and external/contracted manufacturing.

VLA2001: Pivotal Phase 3 “Cov-Compare Study” Results



Immunogenicity

- **VLA2001 met its co-primary endpoints** vs AZD1222, demonstrating:
 - **Superiority** in terms of **geometric mean titer** for neutralization antibodies (GMT ratio = 1.39, $p < 0.0001$), as well as
 - **Non-inferiority** in terms of **seroconversion rate**
- **VLA2001 induced broad** antigen-specific IFN-gamma producing **T-cells reactive against the S (74.3%), N (45.9%) and M (20.3%) proteins**

Safety and Tolerability

- **VLA2001 was generally well tolerated:**
 - **Significantly more favorable profile** compared to AZD1222
 - Participants 30 years and above reported **significantly fewer solicited adverse events**, including **injection site reactions**, and **systemic reactions**
- Participants **18-29 years** old showed an **overall safety profile comparable to the older age group**

COVID-19 Cases

- The **occurrence of COVID-19** cases (exploratory endpoint) was **similar between treatment groups** (age 30+)
- The **complete absence of any severe COVID-19 cases** could suggest that **both vaccines** used in the study **prevented severe COVID-19 caused by the circulating variant(s) (predominantly Delta)**



European Commission

- Supply agreement signed with the European Commission in November 2021¹

Bahrain: One million doses of VLA2001 to be supplied in 2022-23²

- NHRA Emergency Use Authorization received³; first vaccines delivered in March 2022

Up to £20 Million awarded by Scottish Enterprise to advance vaccine development⁴

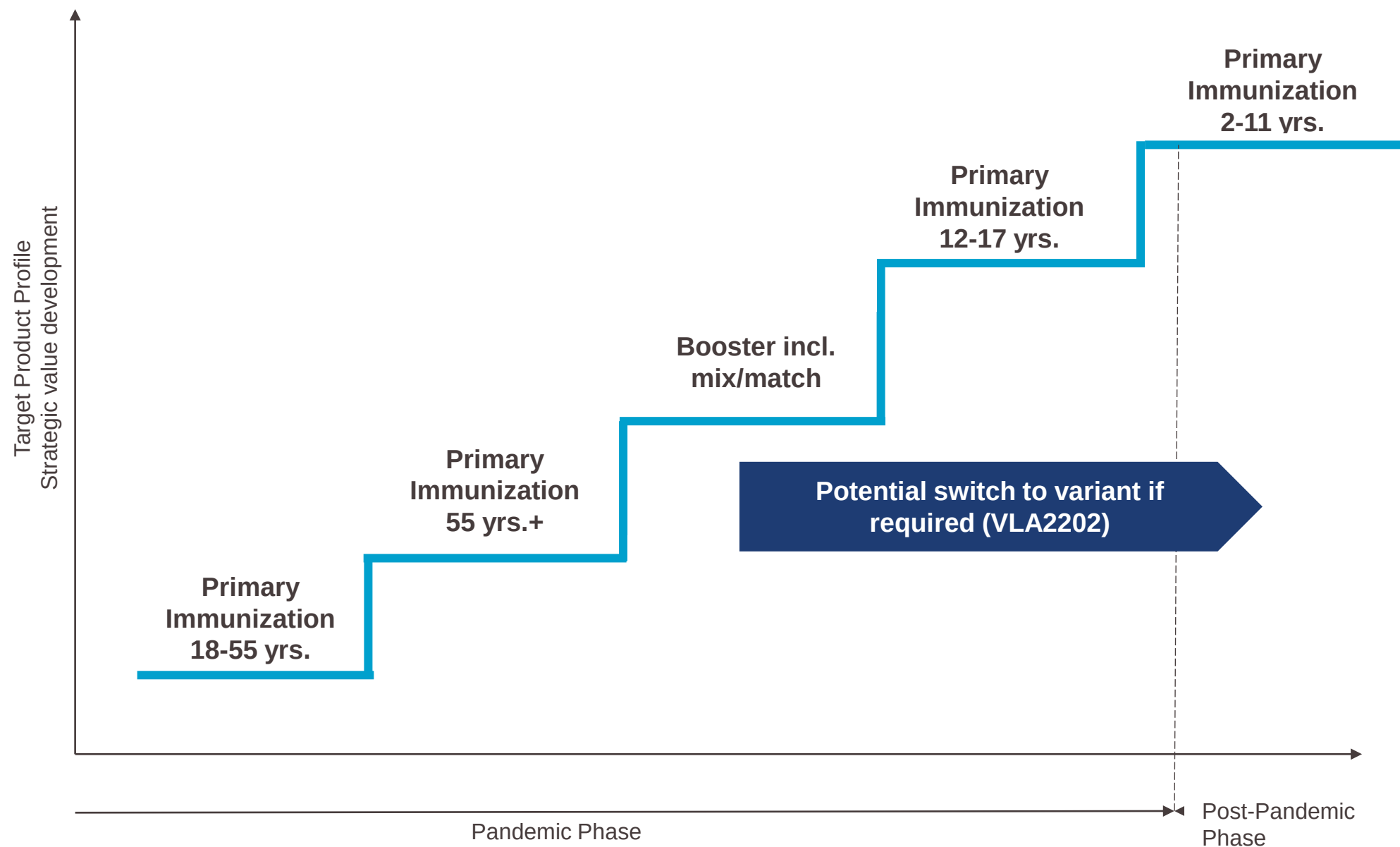
- Grants totaling up to £20 million expected to be received over the next three years, commencing March 2022
- The first grant of up to £12,500,000 will support R&D related to VLA2001 manufacturing; the second grant of up to £7,500,000 will support R&D connected to manufacturing of Valneva's other vaccine candidates

¹ Valneva Announces European Commission Approval of Advance Purchase Agreement for up to 60 Million Doses of Inactivated COVID-19 Vaccine VLA2001; ² Valneva Signs Advance Purchase Agreement with Bahrain for Inactivated COVID-19 Vaccine VLA2001; ³ Valneva Receives Emergency Use Authorization from Bahrain for its Inactivated COVID-19 Vaccine VLA2001; ⁴ Valneva Awarded Up to £20 Million by Scottish Enterprise to Advance Vaccine Development



VLA2001: Planned Label Extensions

Ongoing and Future Clinical Studies Expected to Strengthen Product Profile



Commercial Products





Valneva has a Specialist Travel Vaccine Business and is a Contractor to the US Military

- Prior to the pandemic, Valneva demonstrated a strong track record of sales growth built upon the solid foundation of its business relationship with the US DoD — €129.5m of product sales in 2019 (+25% AER, +22% CER)¹
- Direct sales channels in the US and several key markets
- Distributors in Germany and smaller markets
- Marketing & Distribution of 3rd party specialty vaccines²
- Three year supply deal with US Military/Dept of Defense representing a base value of \$118m if options are exercised. First year option exercised in Sep. 2021
- Valneva believes that the commercial business is a key asset for the future, e.g. chikungunya route to market, as the travel industry recovers

¹ Valneva reports record product sales and major pipeline progress in 2019, ²Valneva and Bavarian Nordic Announce Marketing and Distribution Partnership

Corporate Highlights and Newsflow



Strong Financial Position with Substantial Product Revenues Expected in 2022



Successfully raised ~\$210 million in 2021

- Nasdaq listing (Q2); \$107.6 million¹
- Follow-on (Q4); \$102.0 million²

Strong cash position of €311.3 million (March 31, 2022)³

- Up to an additional \$40 million made available in April 2022 as part of a recent upsized financing arrangement with leading US Healthcare Funds Deerfield and OrbiMed (of which \$20 million conditioned to EMA's approval of VLA2001)

Expected 2022 total revenues of €430-€590 million³



¹ Gross proceeds from U.S. public offering and EU private placement; ² Gross proceeds from global public offering in the U.S. and Europe; ³ [Valneva Reports Q1 2022 Results and Provides Corporate Updates](#)

Key Upcoming Catalysts and Newsflow in 2022



Lyme disease vaccine candidate VLA15

- Phase 3 trial initiation expected in Q3 2022

Chikungunya vaccine candidate VLA1553

- Biologics License Application (BLA) expected in H2 2022

COVID-19 vaccine candidate VLA2001

- Potential additional regulatory approvals
- Supplies and potential further purchase agreements
- Further clinical trials and data expected

Thank you
Merci
Danke
Tack

