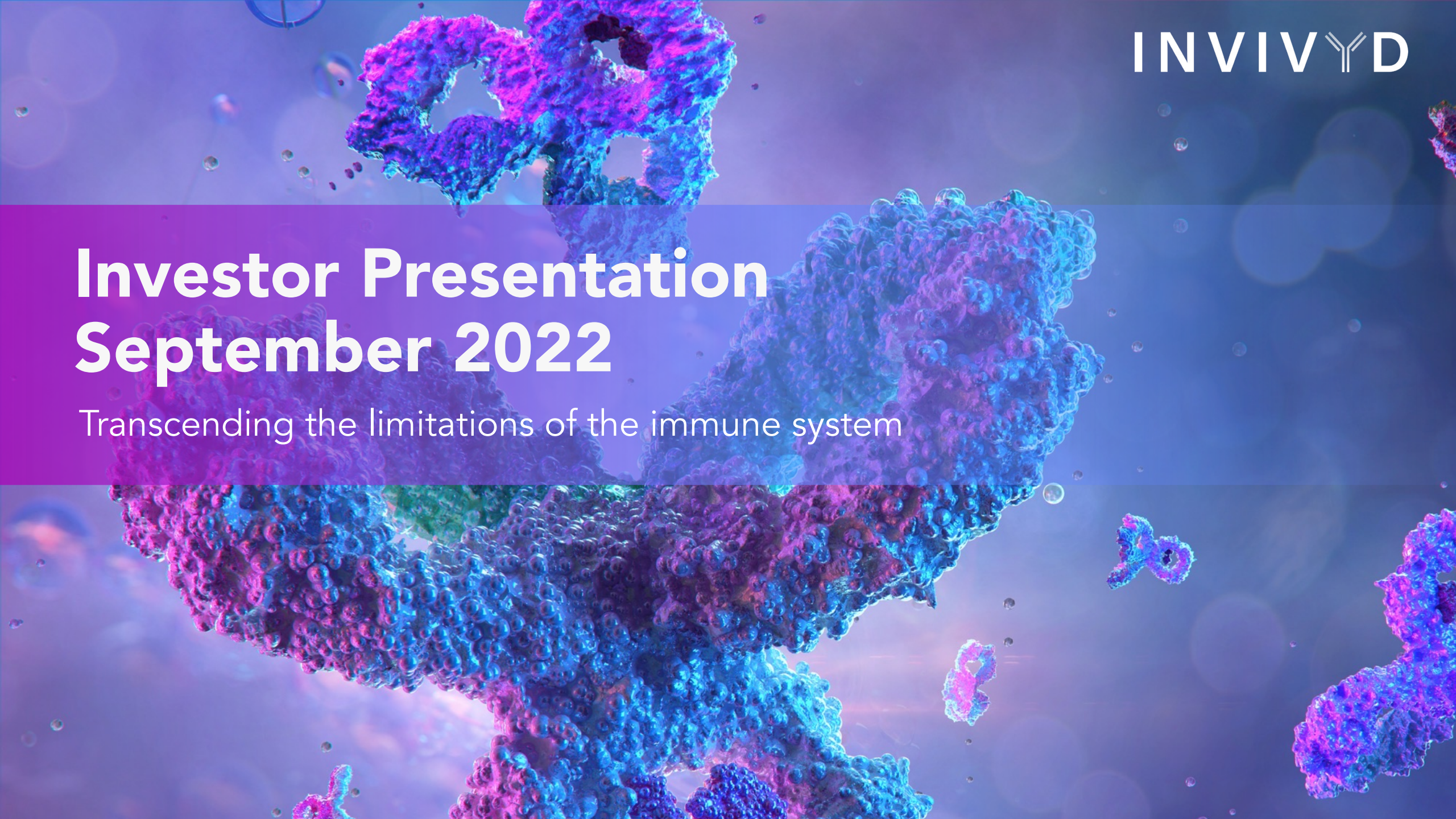


INVIVYD

Investor Presentation September 2022

Transcending the limitations of the immune system

Forward Looking Statements

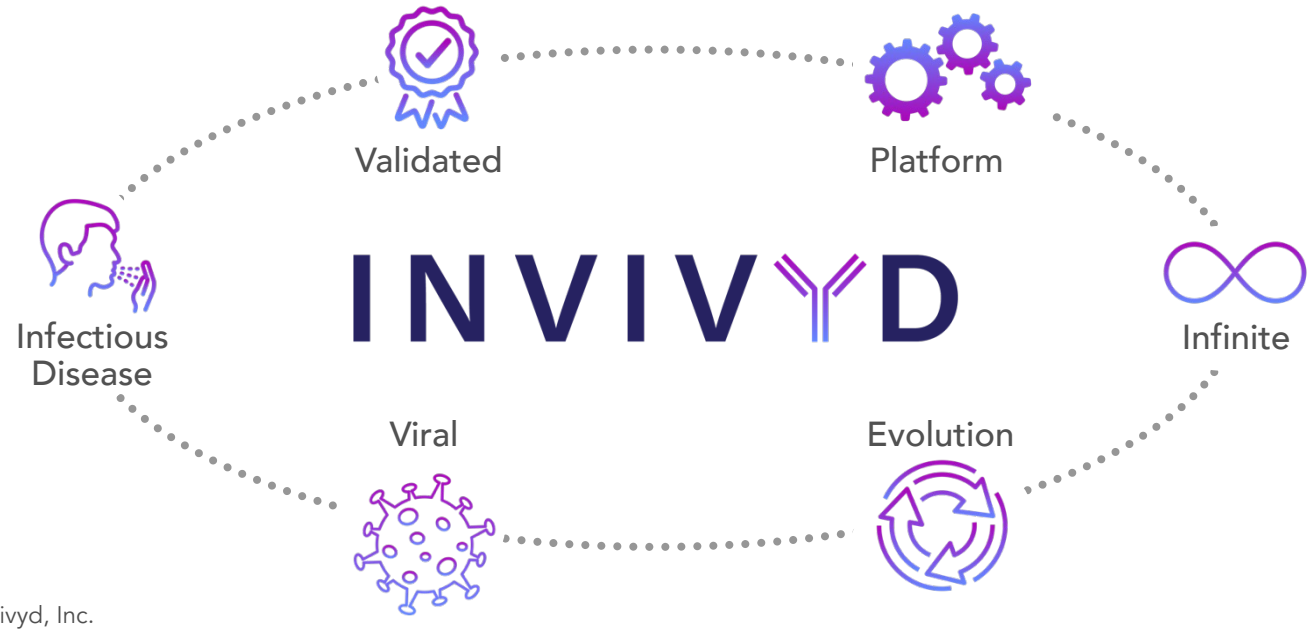
This presentation contains forward-looking statements within the meaning of the U.S. Private Securities Litigation Reform Act of 1995. Statements in this presentation that are not statements of historical fact are forward-looking statements. Words such as "may," "will," "should," "expect," "plan," "anticipate," "could," "intend," "target," "project," "estimate," "believe," "predict," "potential" or "continue" or the negative of these terms or other similar expressions are intended to identify forward-looking statements, though not all forward-looking statements contain these identifying words. Forward-looking statements include statements concerning, among other things, the future of the COVID-19 landscape including the expectation of continued evolution and emergence of new variants and subvariants; our ongoing research and clinical development plans; the timing, progress and results of our preclinical studies and clinical trials of our product candidates; the initiation, modification and completion of studies or trials and related preparatory work; the period during which the results of our clinical trials and other studies and research activities will become available, and our research and development programs; our ability to obtain and maintain regulatory approvals for our product candidates; our expectations regarding the size of the patient populations, market acceptance and opportunity for and clinical utility of our product candidates, if approved for commercial use; our expectations regarding the scope of any approved indication for our product candidates; our ability to successfully commercialize our product candidates; our ability to leverage our platform to identify and develop future product candidates in additional areas of need; our ability to identify patients with the diseases treated by our product candidates and to enroll these patients in our clinical trials; our manufacturing capabilities and strategy; the anticipation of ongoing discussions with health authorities; the potential for an emergency use authorization in the U.S. or other regulatory approval; our plans, technology and resources to develop therapeutic or preventative options for other infectious diseases, such as additional coronaviruses and influenza, in the U.S. and globally; our belief in the potential to discover and develop pipeline candidates as potent and durable antibodies or combination of antibodies for COVID-19; and other statements that are not historical fact. We may not actually achieve the plans, intentions or expectations disclosed in our forward-looking statements and you should not place undue reliance on our forward-looking statements. These forward-looking statements involve risks and uncertainties that could cause our actual results to differ materially from the results described in or implied by the forward-looking statements, including, without limitation, the impacts of the COVID-19 pandemic on our business and those of our collaborators, our clinical trials and our financial position; unexpected safety or efficacy data observed during preclinical studies or clinical trials; the predictability of clinical success of our product candidates or combination of candidates based on neutralizing activity in pre-clinical studies; variability of results in models used to predict activity against SARS-CoV-2 variants of concern; clinical trial site activation or enrollment rates that are lower than expected; changes in expected or existing competition; changes in the regulatory environment; the uncertainties and timing of the regulatory approval process, including the outcome of our discussions with regulatory authorities concerning our clinical trials; whether our product candidates or combination of candidates are able to demonstrate activity against predominant SARS-CoV-2 variant(s) in the U.S. and globally; whether we are able to successfully submit an emergency use authorization in the future, and the outcome of any such emergency use authorization submission; whether research and development efforts will improve efficacy of our product candidates against predominant variants or identify additional monoclonal antibodies or combination of antibodies for the prevention and treatment of COVID-19 and other infectious diseases; whether research and development efforts will identify and result in safe and effective therapeutic or preventative options for other infectious diseases in the U.S. or globally and whether we have adequate funding to meet future operating expenses and capital expenditure requirements. Other factors that may cause our actual results to differ materially from those expressed or implied in the forward-looking statements in this presentation are described under the heading "Risk Factors" in our most recent Annual Report on Form 10-K and our most recent Quarterly Report on Form 10-Q, each filed with the Securities and Exchange Commission (the "SEC"), and in our other filings with the SEC, and in our future reports to be filed with the SEC and available at www.sec.gov. Such risks may be amplified by the impacts of the COVID-19 pandemic. Forward-looking statements contained in this presentation are made as of this date, and we undertake no duty to update such information whether as a result of new information, future events or otherwise, except as required under applicable law.

This presentation contains industry, statistical and market data from our own internal estimates and research as well as from industry and general publications and research, surveys and studies conducted by third parties. This information involves many assumptions and limitations, and you are cautioned not to give undue weight to these estimates. We have not independently verified the accuracy or completeness of the data contained in these industry publications and other publicly available information. We do not undertake to update such data after the date of this presentation.

A Fresh Start

What's in the name?

- New Company and Board leadership, aligned with shareholders
- Substantial drug development and industry expertise brought to bear
- Company rapidly deploying best-in-class technology with an evolved strategy
- New name, renewed energy, major promise



Invivyd: Transcending the Limitations of the Immune System

Engineered antibodies designed to protect humans from serious viral diseases, starting with COVID-19

Engineered antibodies

- To transcend the limits of naturally occurring immunity and provide superior protection from viral diseases

Discovery platform

- Integrates evolutionary virology, predictive modeling, and antibody engineering to generate high-quality, long-lasting antibodies with high barrier to viral escape

Initial focus on COVID-19 treatment and prevention

- Growing number of antibodies aiming to provide broader, more dynamic coverage and overcome the challenge of viral evolution

Iterative platform strategy

- Near-term COVID-19 focus, with plans to expand into influenza and other respiratory viruses

Multiple potential catalysts in next 18 months

- Initiation and data readouts expected from clinical trials of NVD200 for prevention and treatment of COVID-19

The Problem

The immune system lacks sufficient response to many respiratory viruses, including SARS-CoV-2

There is an antibody titer gap between normal human immune response and the antibodies we need for safety, wellness and normal functioning

- COVID-19 inflicts an unacceptable burden on humankind even with vaccines and therapeutics
  - The human immune response to vaccination and infection has kept us alive but at continued risk
  - Mucosal immunity induced by infection and vaccination is weak and short-lived
  - Oral antivirals have limitations (e.g., presymptomatic infection, adherence, viral rebound)
  - Available mAbs are largely based on common human immune repertoires, making them susceptible to loss of activity through mutational escape
- To be safe and well, we require higher quality, more durable protection than our immune systems can produce in response to vaccination or infection

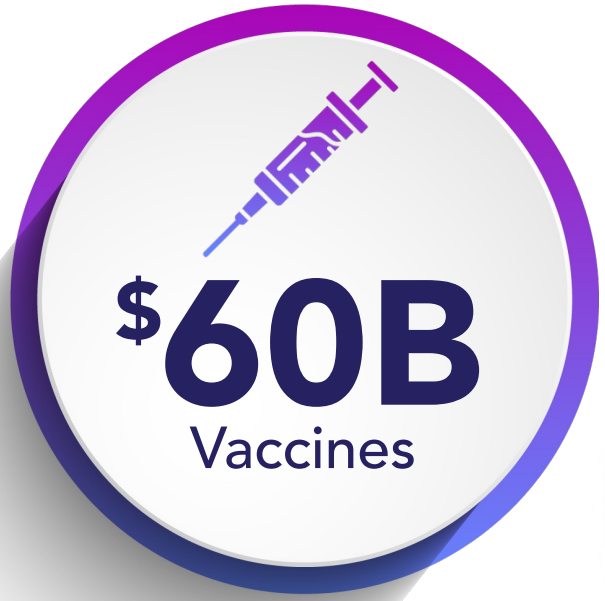
The Invivyd Solution

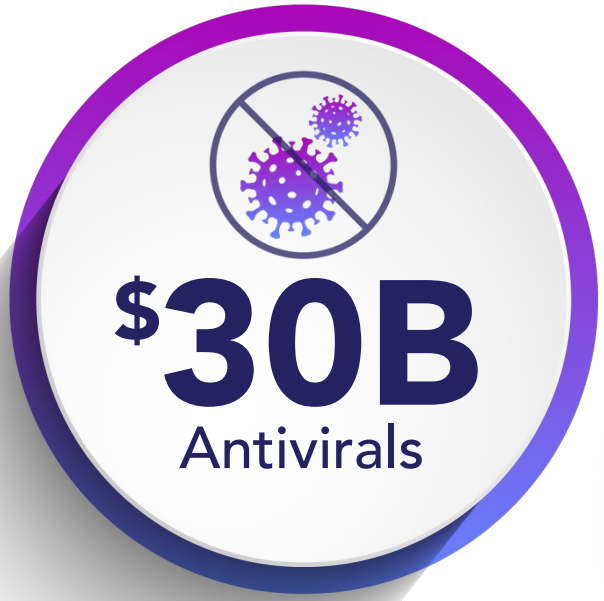
An integrated discovery platform aiming to continuously yield high-quality antibodies designed for breadth, potency, and higher barrier to viral escape

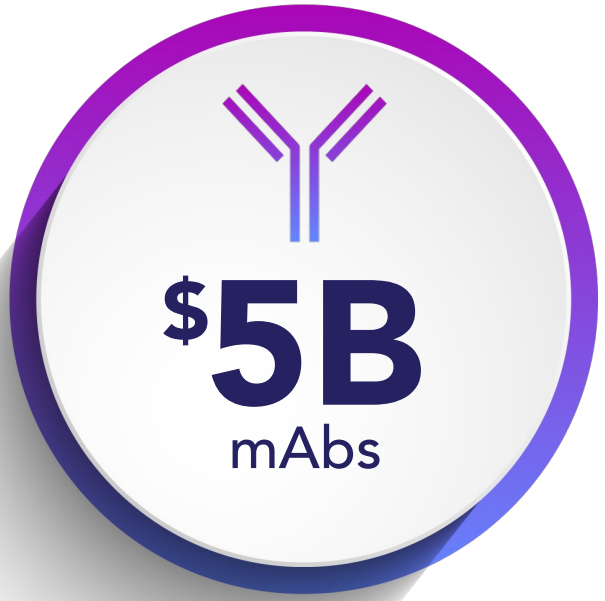
Potential to address a broad array of viral infectious diseases

- Unique capability to combat viral evolution through discovery platform
- Explore expanses of the antibody universe beyond the common repertoire to:
  - Find candidates that target sites not under immune pressure to mutate
  - Predict viral evolution and anticipate future variants
  - Engineer to optimize across potency, breadth, half-life
- Antibodies designed for prevention and treatment
- Generate continuous stream of candidates to flex and adapt as the virus mutates

COVID-19 Prevention and Treatment Represents a $95 Billion Market in 2022







Source:
Data compiled from 2020-2022 revenues from company earnings calls; 2023-2025 forecasted revenues from Global Data report "COVID-19 Sector Forecast: H1 2022, Global Analyst Consensus Sales Forecast," June 2022

Significant Need for Differentiated Approaches to Prevention and Treatment

Large Prevention Market

- 54 million people in U.S. aged 65+[1]
- 20 million immunocompromised in U.S. with 11 million moderate to severe[2]
- 115 million adults in U.S. with comorbidities[3]
- Potential PrEP* population of ~25 million across U.S., EU and Canada[4]
- Potential as vaccine alternative with more durable protection

Treatments for Serious Disease Needed

- More than 6.4 million deaths globally to date[5]
  - 1 million+ in U.S.[5]
- **Even with vaccination, 1 million+ deaths in 2022 alone[6]**
- 4,500+ hospitalizations daily in U.S. (as of September 2022)[7]
- COVID-19 deaths have contributed to U.S. life expectancy drop of 6.6 years in last two years for some ethnic minorities[8]

*Pre-Exposure Prophylaxis

Sources:

1. www.census.gov
2. Health Advances epidemiological estimate
3. www.census.gov and https://wwwnc.cdc.gov/eid/article/26/8/20-0679_article
4. Health Advances Epidemiological Analysis completed Jan. 2022
5. https://covid19.who.int/
6. https://covid19.healthdata.org/global?view=cumulative-deaths&tab=trend
7. https://covid.cdc.gov/covid-data-tracker/#datatracker-home

mAbs Providing Extended Protection Offer a Compelling Alternative for the Vulnerable or Unvaccinated

ONLY 68% of **U.S. adults** fully vaccinated for coronavirus as of Sept. 2022[1]; protection waning constantly

20% of all U.S. adults strongly opposed vaccination[4]; **OF THOSE**

20% said they would be interested in a mAb[5]

ONLY 55% of people **aged 50+** with a past COVID-19 vaccine said they're very likely to get a fall booster[2]

40% 

of parents **do not** intend to vaccinate their children <12 years old[6]

~10% of physicians would **exclusively use mAb** approach for their moderate/severe immunocompromised patients[3]

ONLY 2.8%

of children **under age 5** have been vaccinated[7]

Sources:

1. https://usafacts.org/visualizations/covid-vaccine-tracker-states
2. https://ihpi.umich.edu/sites/default/files/2022-08/NPHA-poll-extra_covid-boosters-annotated-questionnaire_08082022-v3.pdf
3. Internal market research
4. Internal market research
5. Internal market research
6. https://www.kff.org/coronavirus-covid-19/poll-finding/kff-covid-19-vaccine-monitor-july-2022/
7. https://www.kff.org/coronavirus-covid-19/issue-brief/covid-19-vaccination-rates-among-children-under-5-have-peaked-and-are-decreasing-just-weeks-into-their-eligibility/

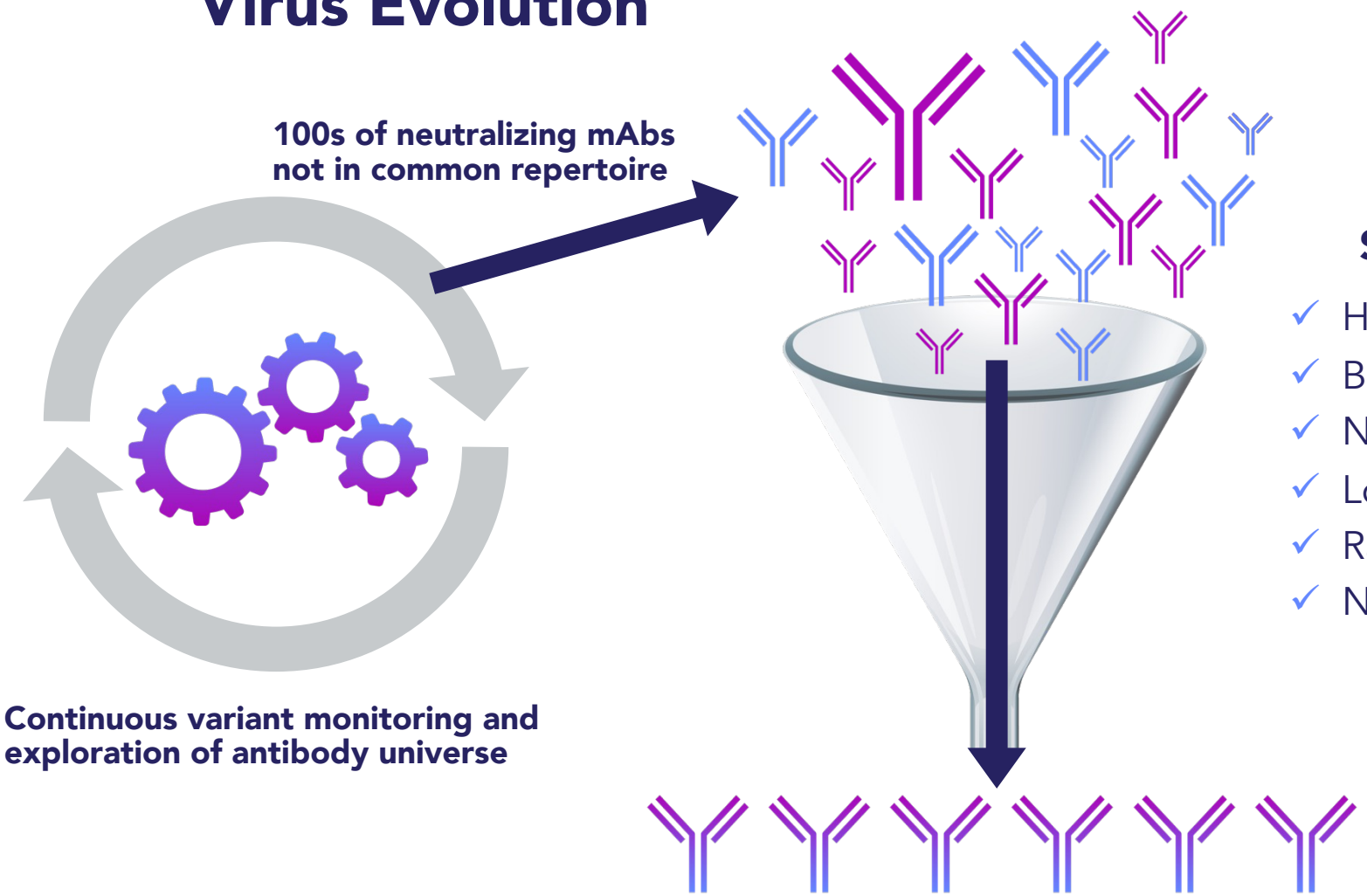
Discovery Platform Overview

Strategy designed to overcome the challenges of viral evolution

Continuous monitoring, analysis, engineering and optimizing to identify a stream of novel antibodies designed to address an evolving viral threat

- Deeply mine human antibody repertoires induced following diverse SARS-CoV-2 exposures
- Pinpoint dominant sites on the viral spike protein targeted by human immune repertoire and map mutational escape routes; predict future variants via deep analysis of immune pressures
- Identify potent, pan-variants of concern (VOC) mAb candidates that target rare epitopes, privileged by lack of human immune pressure
- Select mAbs with activity against other SARS-like viruses, further increasing the barrier to escape
- Optimize for breadth, potency, epitope, half-life, and manufacturability

Ongoing Discovery Creates Continuous Flow of Pipeline Candidates with the Goal of Addressing Virus Evolution



Stringent Selection Criteria

- ✓ High potency neutralization
- ✓ Breadth of coverage
- ✓ No polyreactivity
- ✓ Low viscosity
- ✓ Rare epitopes
- ✓ No sequence liabilities

Steadily Growing Pool of High Potential Development Candidates to Tap as Virus Evolution Dictates

Robust Pipeline of Engineered Antibodies for Treatment and Prevention of Viral Diseases

PROGRAM	PLATFORM	INDICATION(S)	DEVELOPMENT STATUS					STATUS
			DISCOVERY	IND-ENABLING	PHASE 1	PHASE 2	PHASE 3	
Coronaviruses								
NVD200	mAb combination	Prevention						Phase 1 initiation Q1 2023
NVD200	mAb combination	Treatment						
COVID Combo Candidate #2	mAb combination	Prevention						Active monitoring of variants
COVID Combo Candidate #2	mAb combination	Treatment						
Multiple additional discovery assets	mAb	Prevention/ Treatment						Active monitoring of variants
Adintrevimab	mAb	Prevention						EUA submission ready depending on variant
Adintrevimab	mAb	Treatment						
Non-COVID								
Influenza	mAb combination	Prevention						Early discovery

Investigational therapies are not approved for use by regulatory authorities. The safety and efficacy of pipeline candidates have not been established.

Invivyd Aims to Establish Best In Class Performance Across Five Key Disciplines

- **Prediction** of viral evolution and rational selection of privileged epitopes
- Candidate antibody **discovery and engineering**
- Efficient clinical **development** for multiple use cases and populations
- Flexible and highly efficient **manufacturing**
- **Commercial** design for a mature, large drug category, not solely a pandemic emergency

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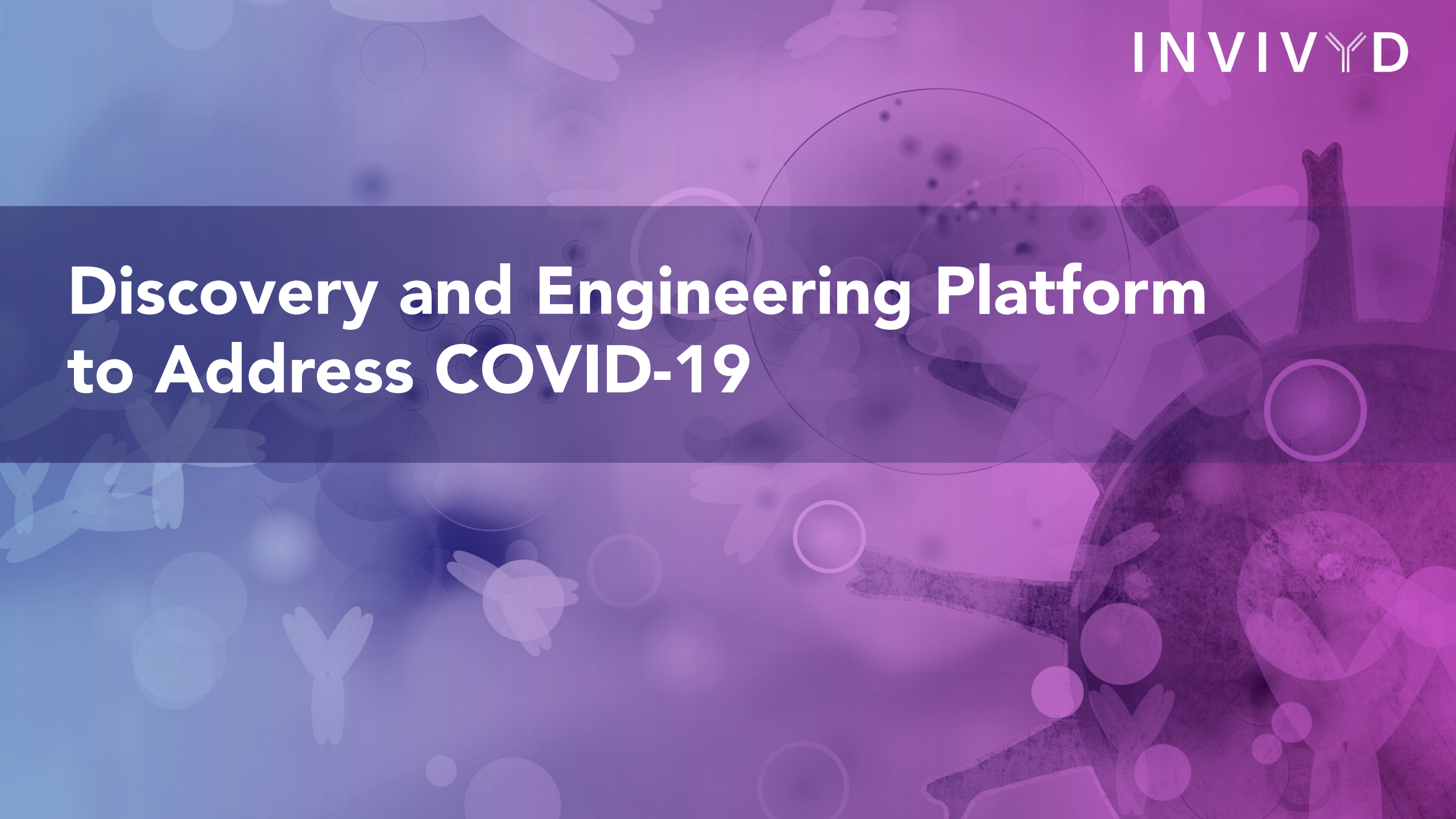
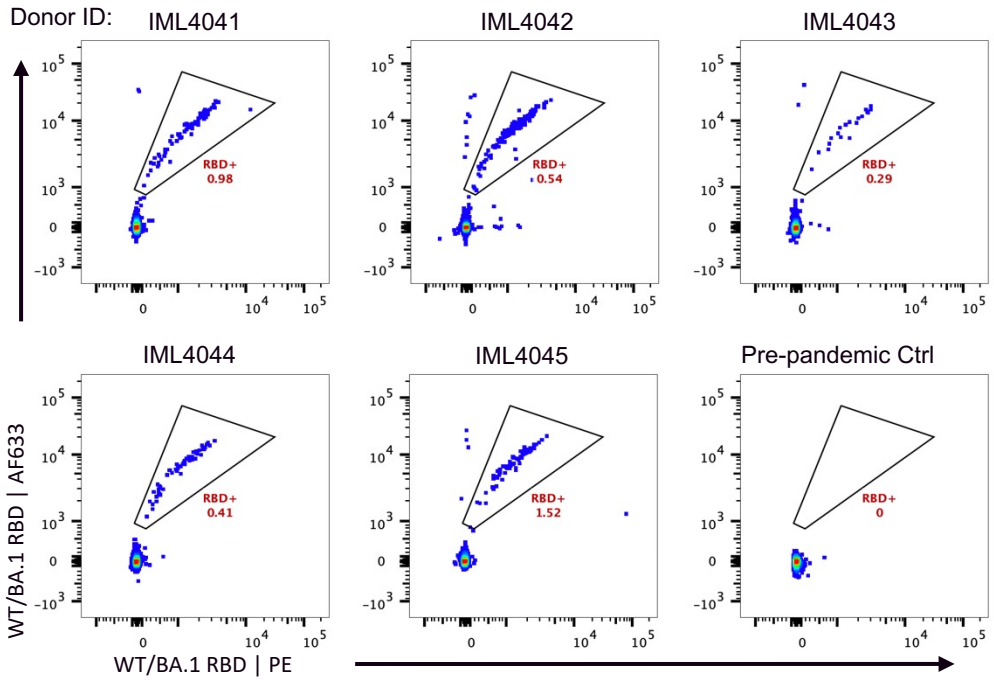
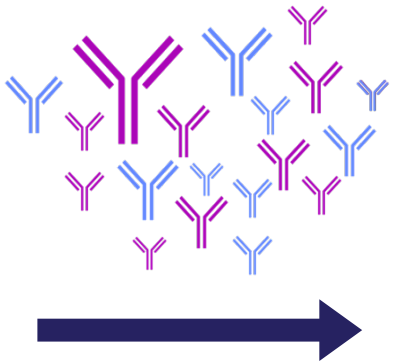
Discovery and Engineering Platform to Address COVID-19

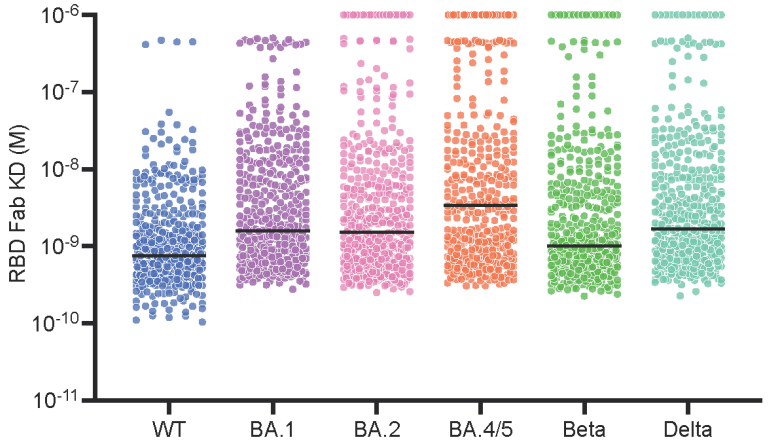


The Beginning: Deep B Cell Mining Identifies Preliminary Binders

Continuous monitoring and mining of diverse immune repertoires generates optimal starting points for engineering antibody candidates

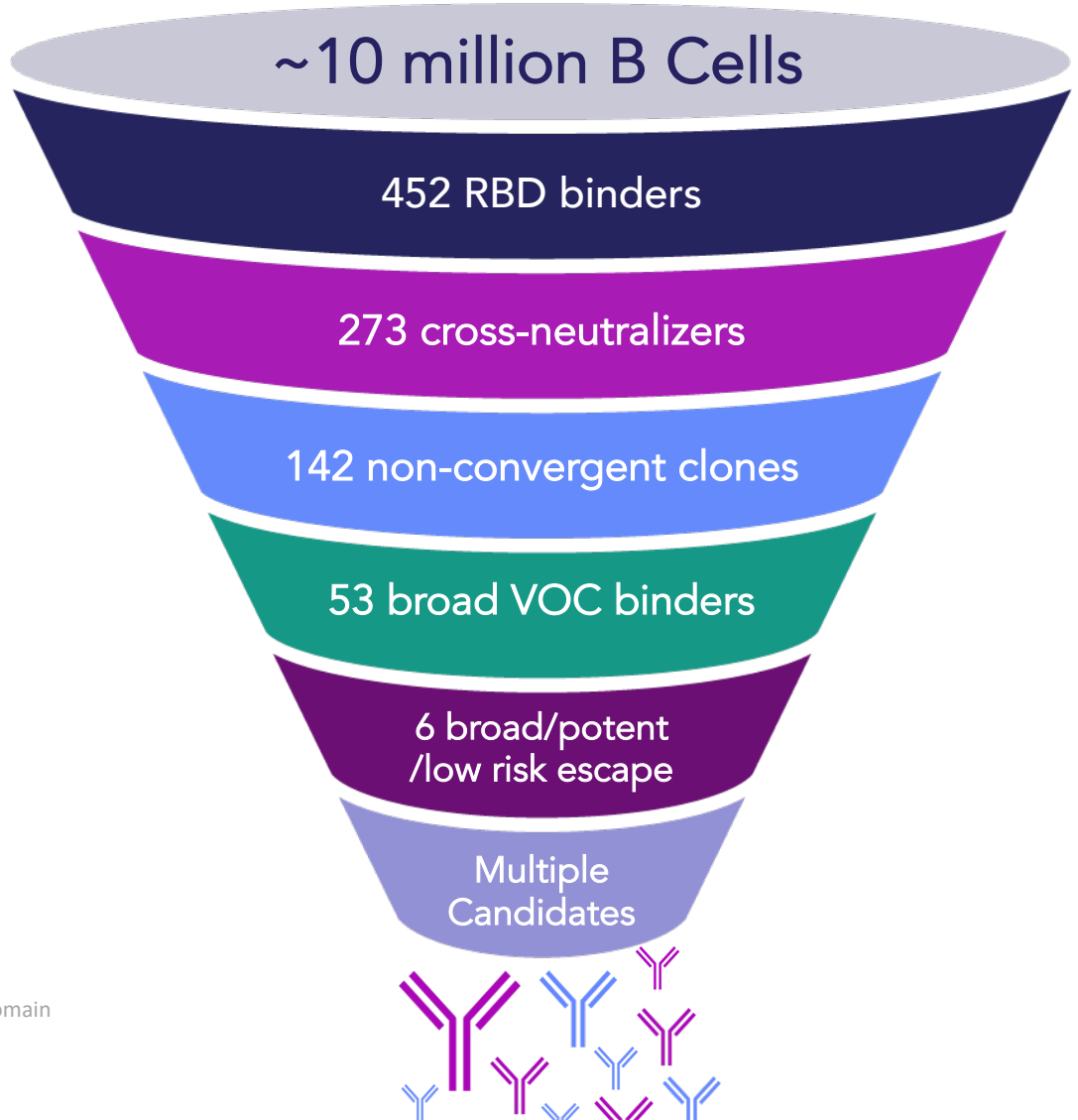






RBD, receptor binding domain

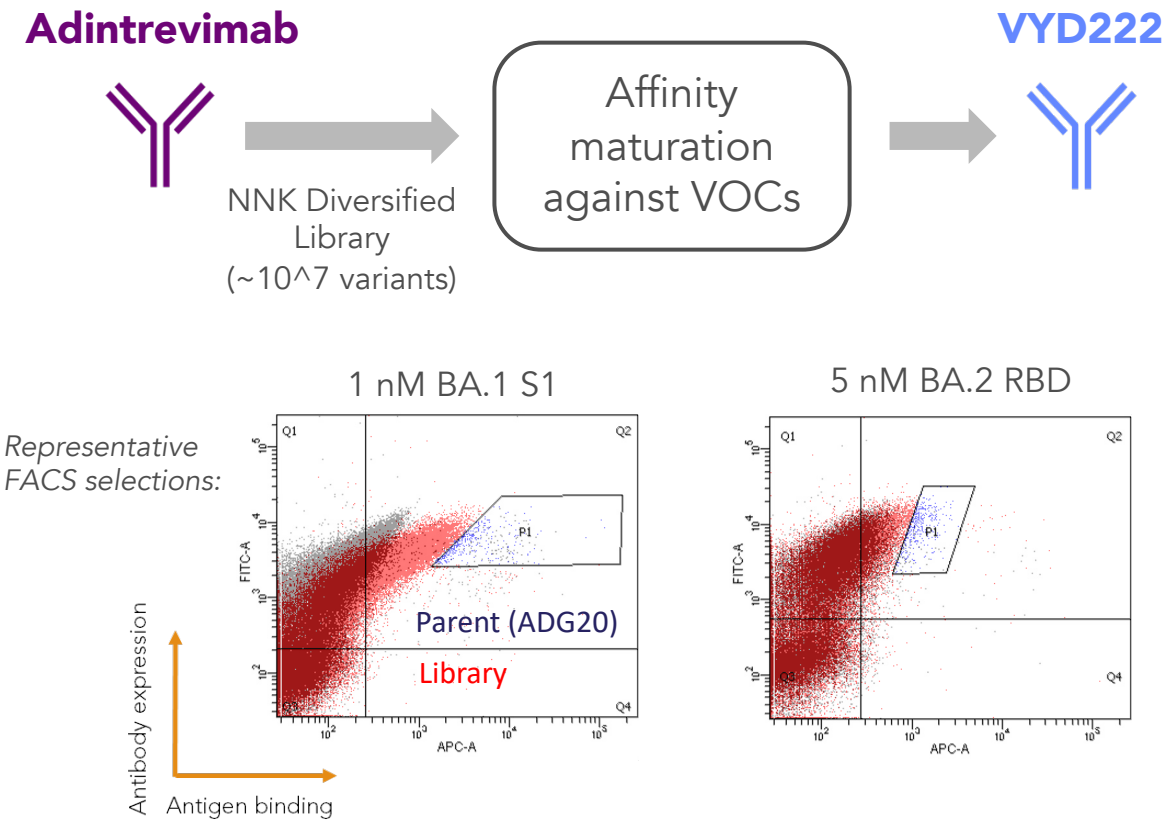
Invivyd Explores Vast Antibody Diversity to Identify Optimal, Complementary Candidates for Engineering

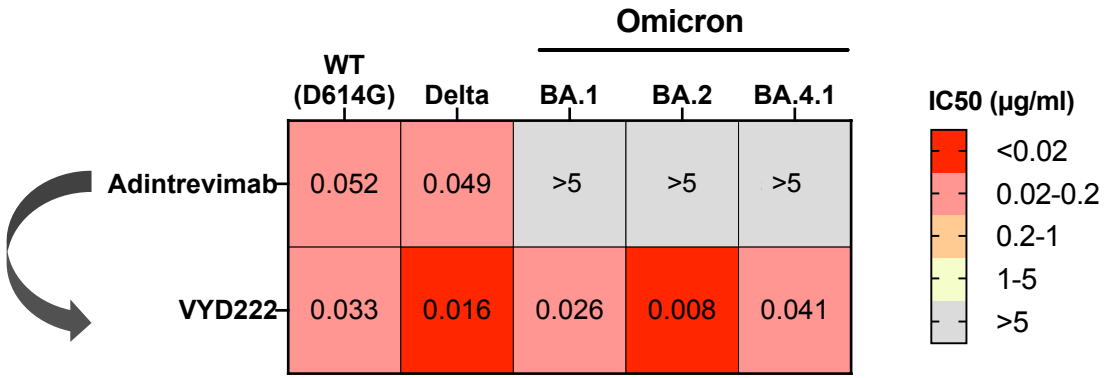


Highly productive Omicron lineage campaign yielded multiple candidates for engineering optimization

RBD, receptor binding domain
VOC, variant of concern

Unique Engineering Capability Allows for Fine Tuning and Optimization: the Recovery of Adintrevimab





RBD, receptor binding domain
VOC, variant of concern

Two Candidates Selected from Multiple Promising mAbs Identified

Data Shows Broad Neutralizing Activity Against Pre-Omicron VOCs and Omicron (+sub-lineages)

Authentic virus

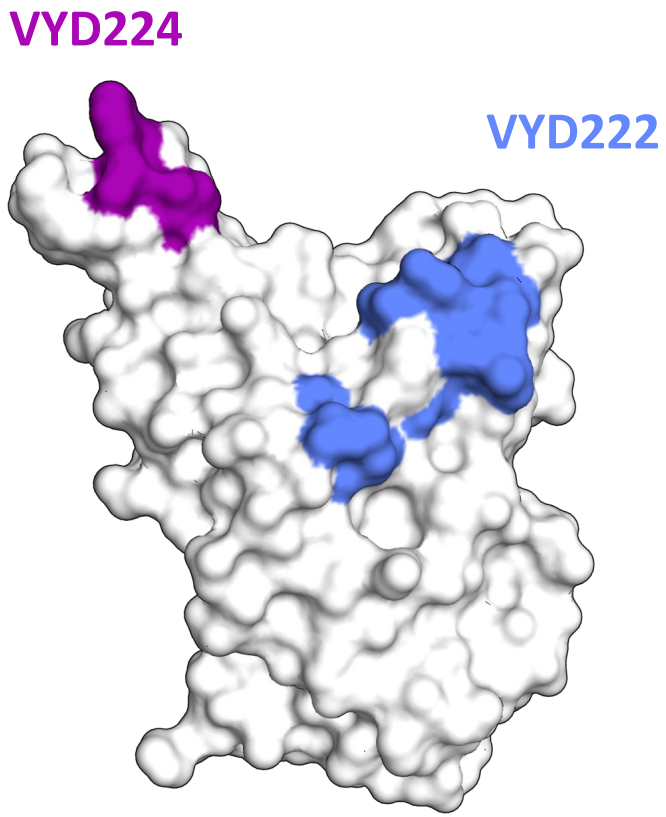
	WT (D614G)	Delta	Omicron BA.1	Omicron BA.2	Omicron BA.4
VYD222	0.033	0.016	0.026	0.008	0.041
VYD224	0.010	0.006	0.010	0.016	0.126
NVD200	0.017	0.014	0.013	0.013	0.050
Bebtelovimab	0.021	0.027	0.004	0.010	0.026
Adintrevimab	0.052	0.049	>5	>5	>5

Neut. IC_{50} (µg/ml): <0.02; 0.02-0.2; 0.2-1; 1-5; >5

Pseudovirus

	WT	BA.2.75	BA.5
VYD222	0.030	0.100	0.030
VYD224	0.030	0.010	0.080
Adintrevimab	0.040	>5	>5

Neut. IC_{50} (µg/ml): <0.02; 0.02-0.2; 0.2-1; 1-5; >5



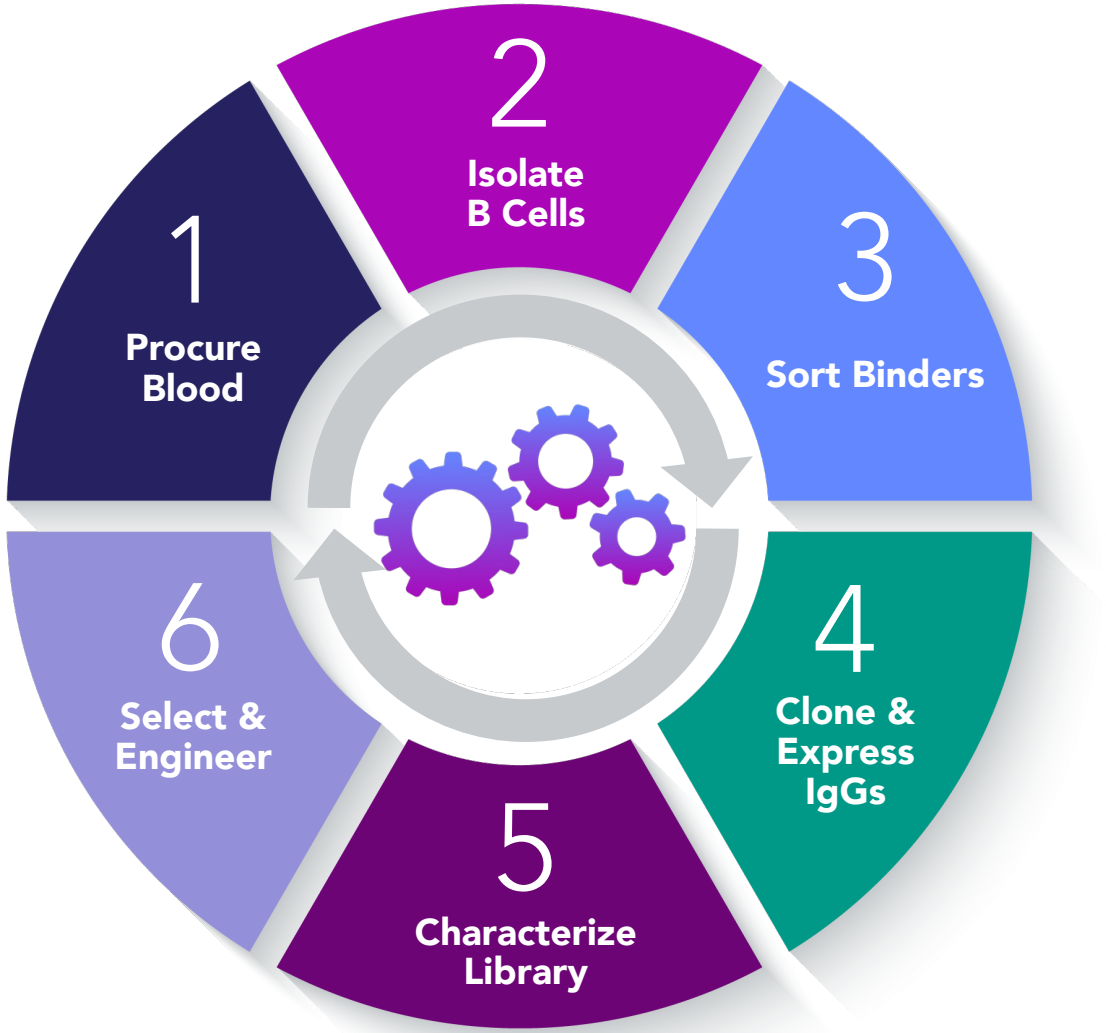
VOC, variant of concern

Our Scale Generates Rational Combinations: NVD200 for Prevention & Treatment of COVID-19

- Combination of VYD222 and VYD224
- Neutralizing activity against VOCs, and SARS 1
- Designed for:
  - High potency
  - Lack of polyreactivity
  - Long half life
  - Developability
  - Patient and system ease of use
- Potential to resist escape
  - Target non-overlapping epitopes of Spike RBD
  - Conserved across coronaviruses

RBD, receptor binding domain
VOC, variant of concern

Continuous and Repeatable Process Designed to Address Viral Evolution



Next Steps and Milestones

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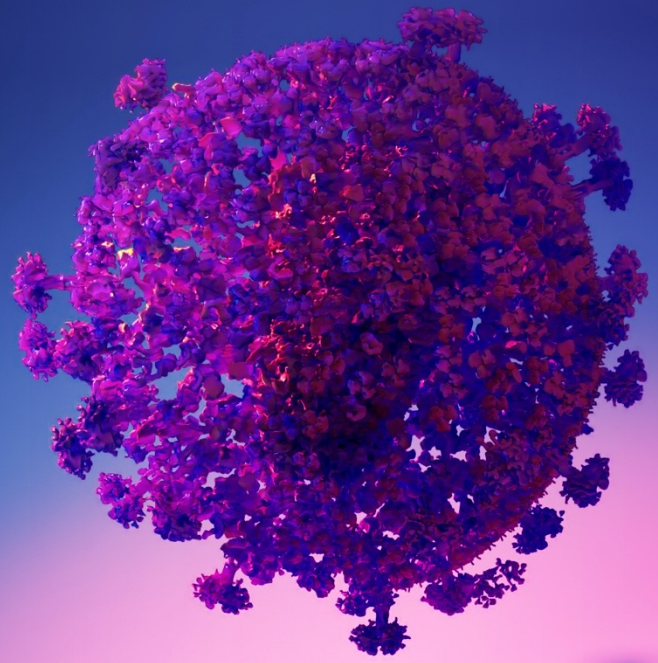
Expansion and Execution



Future Expansion

Diseases where we see limitations of the human immune system

Positioned to address significant market need in seasonal influenza

- Potential annual impact of seasonal influenza[1]
  - 41 million cases
  - 710,000 hospitalizations
  - 52,000 deaths
- Vaccine efficacy ranges from 10-60%[2] and wanes within ~3 months after vaccination[3]

Invivyd engineered antibodies have potential to provide broader, more lasting protection than natural immunity

- Generated neutralizing antibodies covering 100+ years of viral evolution including animal spillovers, etc.
- Approach looks to cover all circulating H1 and H3 strains

Sources

1. https://www.cdc.gov/flu/about/burden/index.html
2. https://www.cdc.gov/flu/vaccines-work/vaccineeffect.htm
3. https://www.science.org/doi/10.1126/science.aaz8432

Management Team with Track Record of Success

Dave Hering
CEO & Director

Laura Walker, Ph.D.
Co-founder & Chief Scientific Officer

Jill Andersen
Chief Legal Officer & Corporate Secretary

Becky Dabora, Ph.D.
Chief Technology & Manufacturing Officer

Fred Driscoll
Interim Chief Financial Officer

Ellie Hershberger, Pharm.D.
Chief Development Officer

Our Vision

Engineered antibodies designed to protect humans from serious viral diseases, starting with COVID-19

Engineered antibodies

- To transcend the limits of naturally occurring immunity and provide superior protection from viral diseases

Discovery platform

- Integrates evolutionary virology, predictive modeling, and antibody engineering with the aim of generating high-quality, long-lasting antibodies with high barrier to viral escape

Initial focus on COVID-19 treatment and prevention

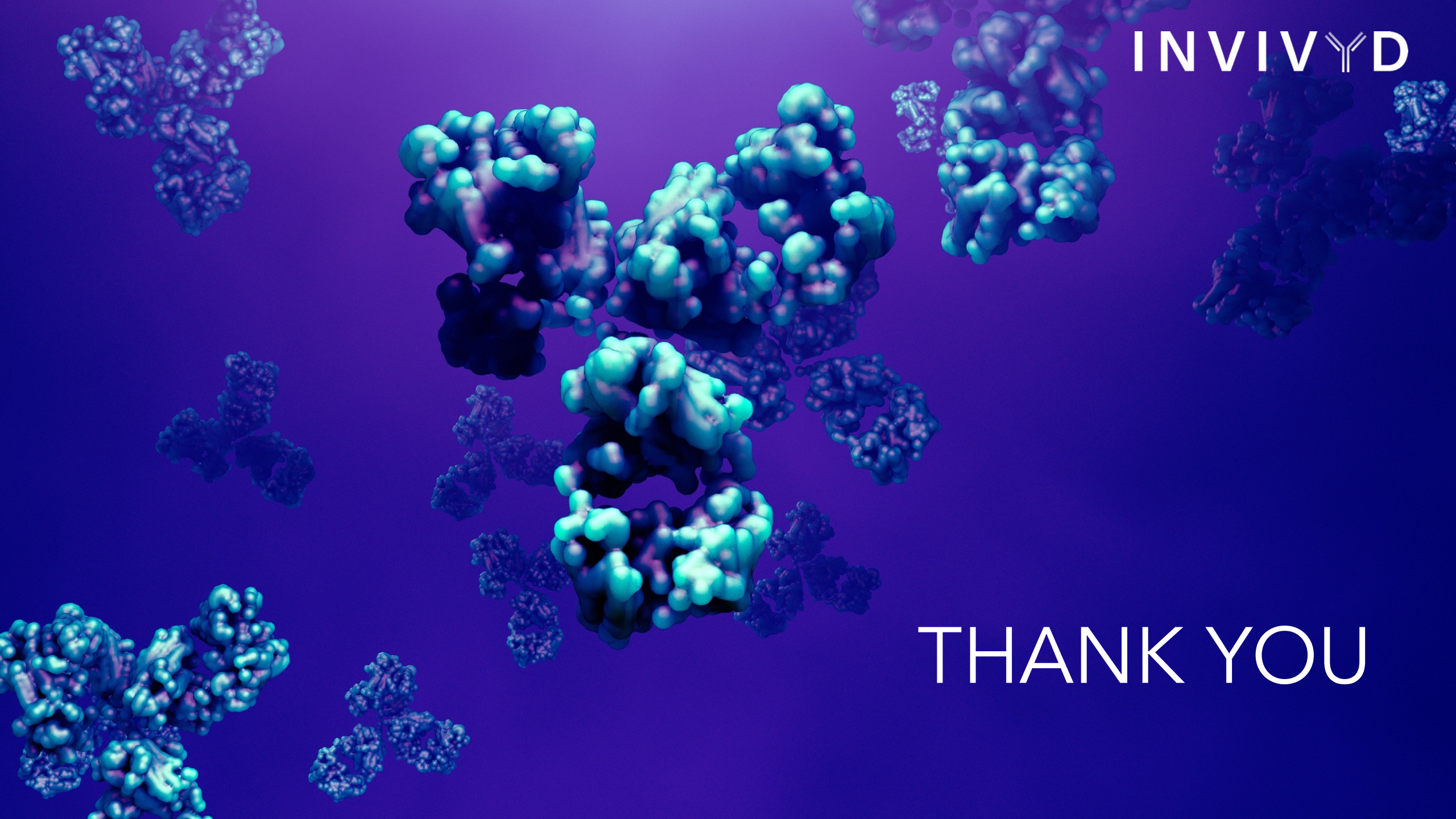
- Growing number of antibodies with the potential to provide broader, more dynamic coverage and overcome the challenge of viral evolution

Iterative platform strategy

- Near-term COVID-19 focus, expanding into influenza and other respiratory viruses

Multiple potential catalysts in next 18 months

- Initiation and data readouts expected from clinical trials of NVD200 for prevention and treatment of COVID-19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THANK YOU

Corporate Strategy

Achieve Mission in COVID-19 and Expand Beyond

Use Invivyd's best-in-class discovery platform to develop engineered antibodies to provide a strong and lasting immune response against many viruses that cause upper respiratory infections.

- **Develop and commercialize** engineered antibodies to provide protection more durable than natural immunity against viral infectious diseases, beginning with our lead asset(s) for COVID-19.
- **Establish Invivyd as long term COVID class leader** with next generation COVID-19 combo program for prevention (BLA enabled) and position company for sustained, durable product coverage
- **Pursue near term wins** in COVID-19 in current public health emergency window
- **Expand pipeline** where there is an unmet need and weak and short-lived immunity is seen such as with seasonal influenza