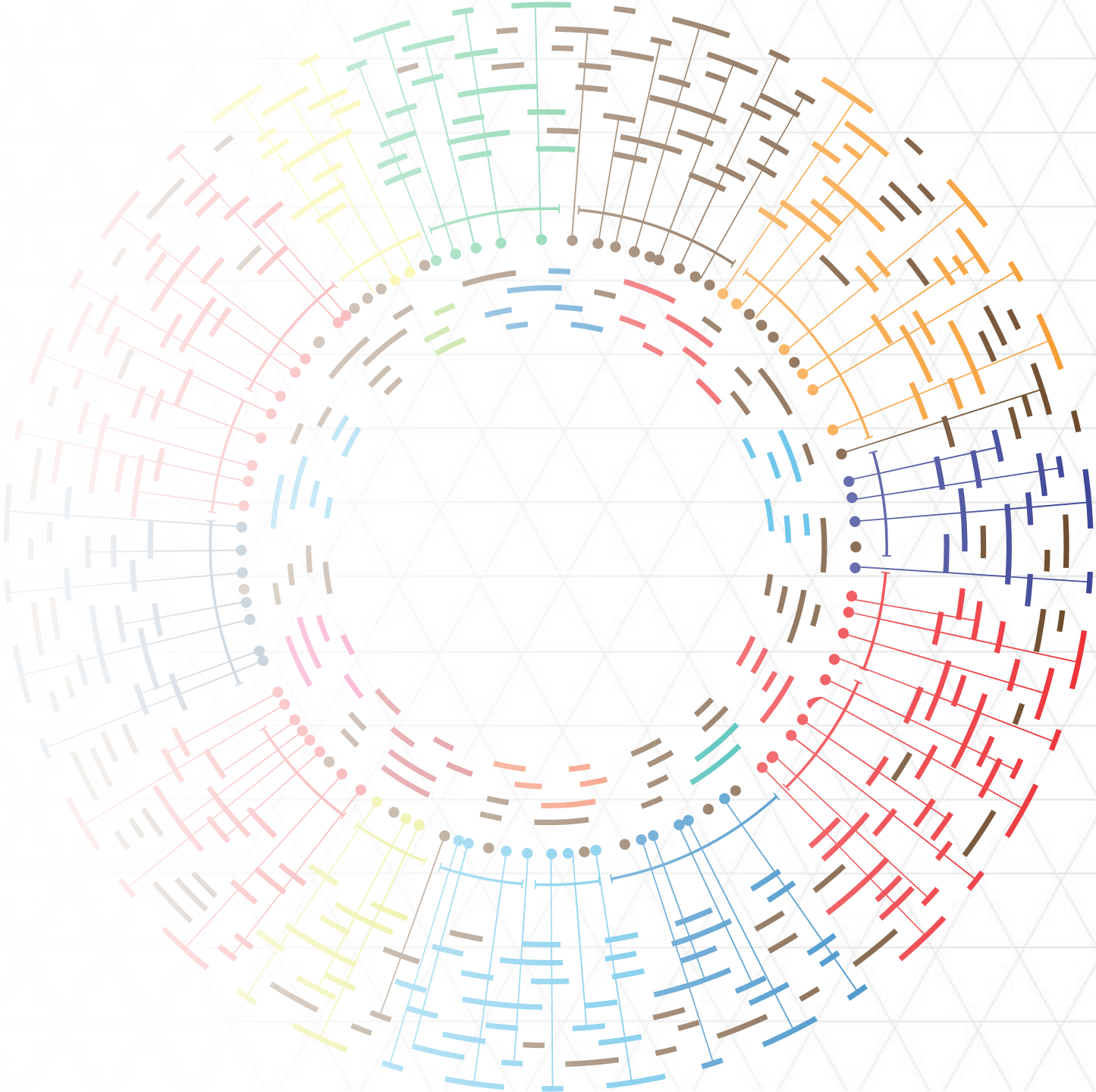




## Corporate Presentation

May 2020



# Safe harbor



This presentation has been prepared by Adaptive Biotechnologies Corporation (“we,” “us,” “our,” “Adaptive” or the “Company”) and is made for informational purposes only. The information set forth herein does not purport to be complete or to contain all relevant information. Statements contained herein are made as of the date of this presentation unless stated otherwise. This presentation shall not constitute an offer to sell or the solicitation of an offer to buy securities, nor shall there be any sale of these securities in any jurisdiction in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such jurisdiction.

This presentation contains “forward-looking statements” within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. These statements are intended to be covered by the “safe harbor” created by those sections. Forward-looking statements are neither historical facts nor assurances of future performance. Instead, they are based on our current beliefs, expectations and assumptions regarding the future of our business, future plans and strategies, our development plans, our preclinical and clinical results and other future conditions. In some cases, you can identify forward-looking statements by the following words: “may,” “will,” “could,” “would,” “should,” “expect,” “intend,” “plan,” “anticipate,” “believe,” “estimate,” “predict,” “project,” “potential,” “continue,” “ongoing” or the negative of these terms or other comparable terminology, although not all forward-looking statements contain these words.

All statements, other than statements of historical facts, contained in this presentation are forward looking statements, including statements regarding our future financial or business performance, conditions, plans, prospects, trends or strategies and other financial and business matters; our current and prospective product candidates and pipelines, planned non-IDE clinical studies, clinical trials and preclinical activities, research and development costs, current and prospective collaborations; the estimated size of the market for our product candidates, the timing and success of our development and commercialization of our anticipated product candidates; the availability of alternative therapies for our target market; and the other risks and uncertainties described in reports filed with the Securities and Exchange Commission from time to time, including the Risk Factors and Management’s Discussion and Analysis of Financial Condition and Results of Operations sections.. Although we believe the expectations reflected in such forward-looking statements are reasonable, we can give no assurance that such expectations will prove to be correct. Risks and uncertainties could cause actual results to differ materially from those expressed in our forward-looking statements. Accordingly, readers are cautioned not to place undue reliance on these forward-looking statements. Except as required by applicable law, we do not plan to publicly update or revise any forward-looking statements contained herein.

Certain information contained in this presentation relates to or is based on studies, publications, surveys and other data obtained from third-party sources and the Company’s own internal estimates and research. While the Company believes these third-party sources to be reliable as of the date of this presentation, it has not independently verified, and makes no representation as to the adequacy, fairness, accuracy or completeness of, any information obtained from third-party sources. In addition, all of the market data included in this presentation involves a number of assumptions and limitations, and there can be no guarantee as to the accuracy or reliability of such assumptions. Finally, while we believe our own internal research is reliable, such research has not been verified by any independent source.

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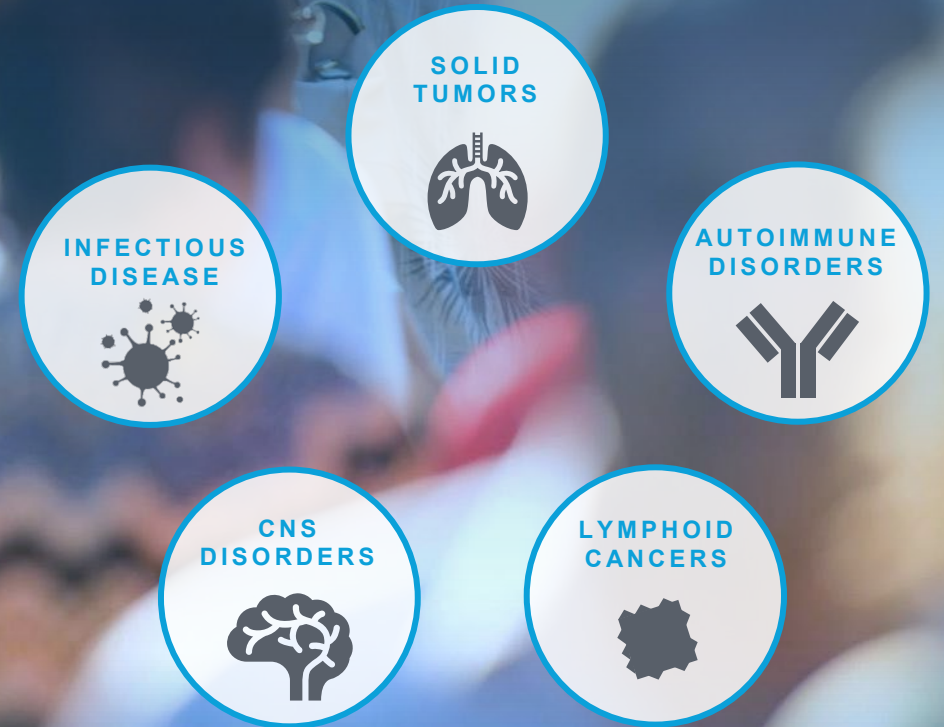
# The Adaptive Immune System



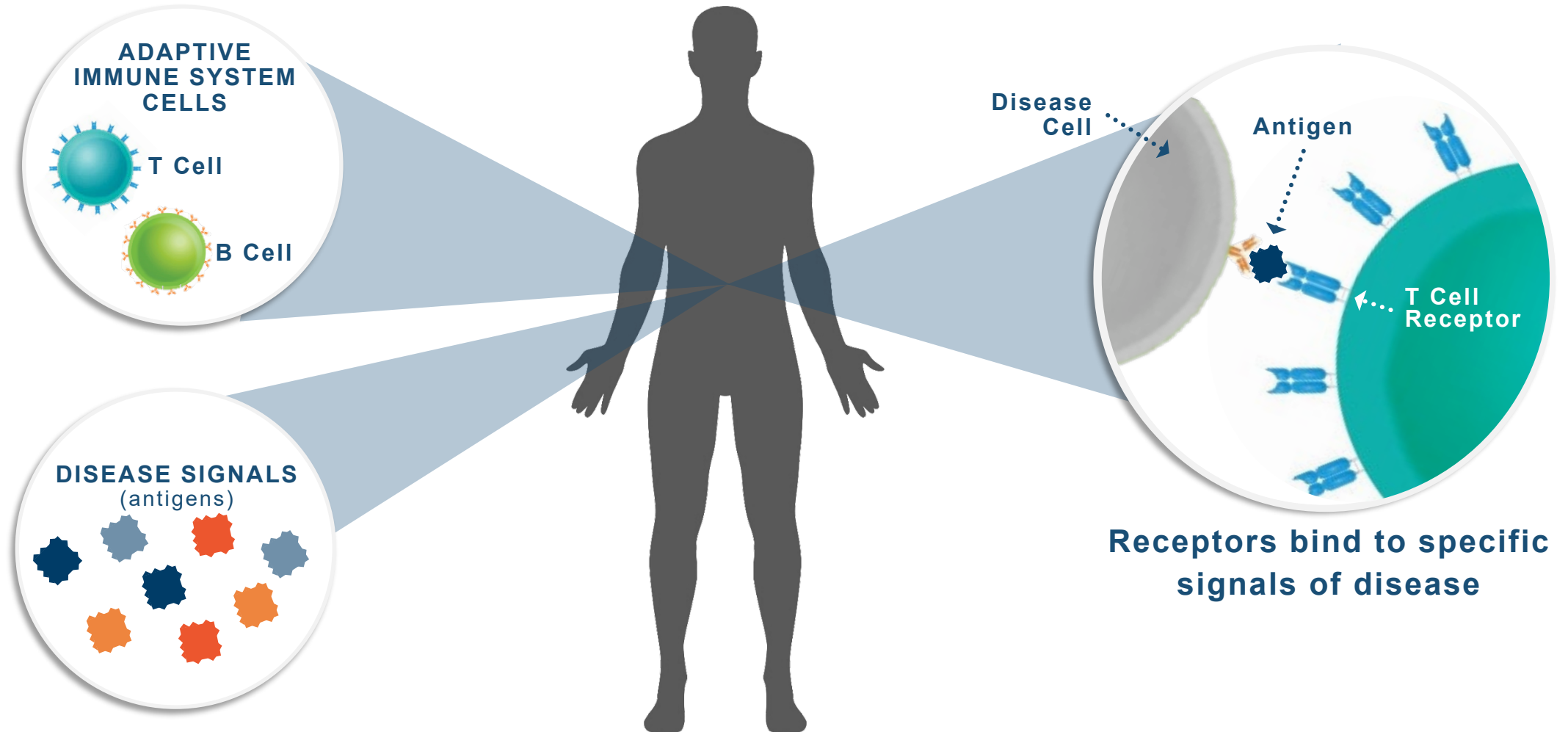
One of the **largest** clinical applications of genomics

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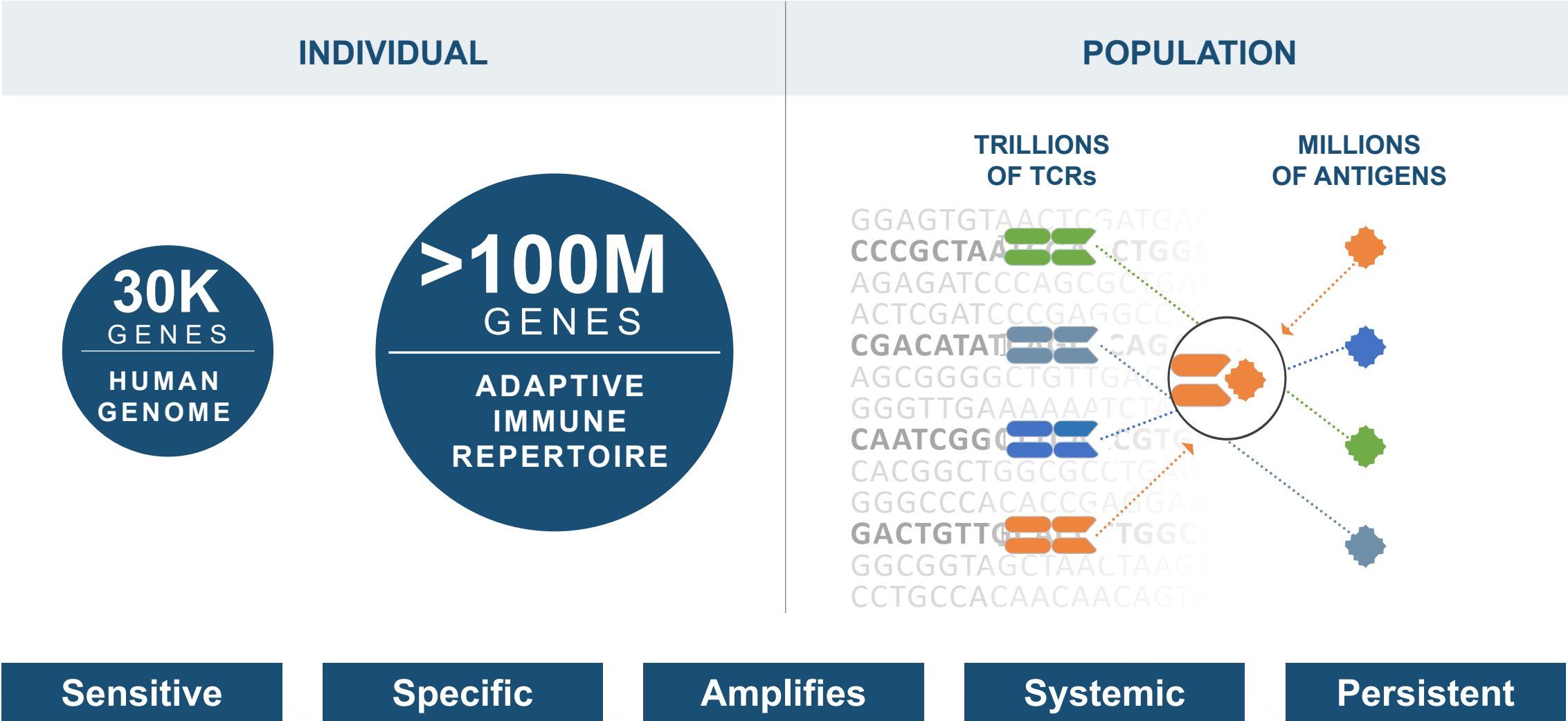
**Detects & treats most diseases in exactly the same way**



# The immune system detects & treats most diseases in the same way



# Revealing its massively diverse genetic code may transform medicine



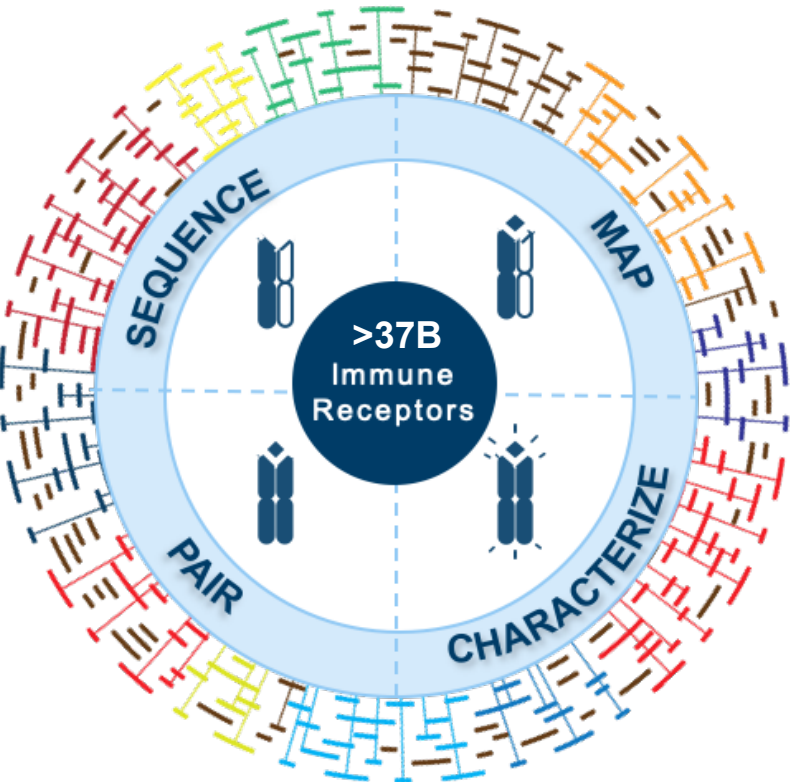


# Harnessing the inherent biology of the adaptive immune system

One immune medicine platform

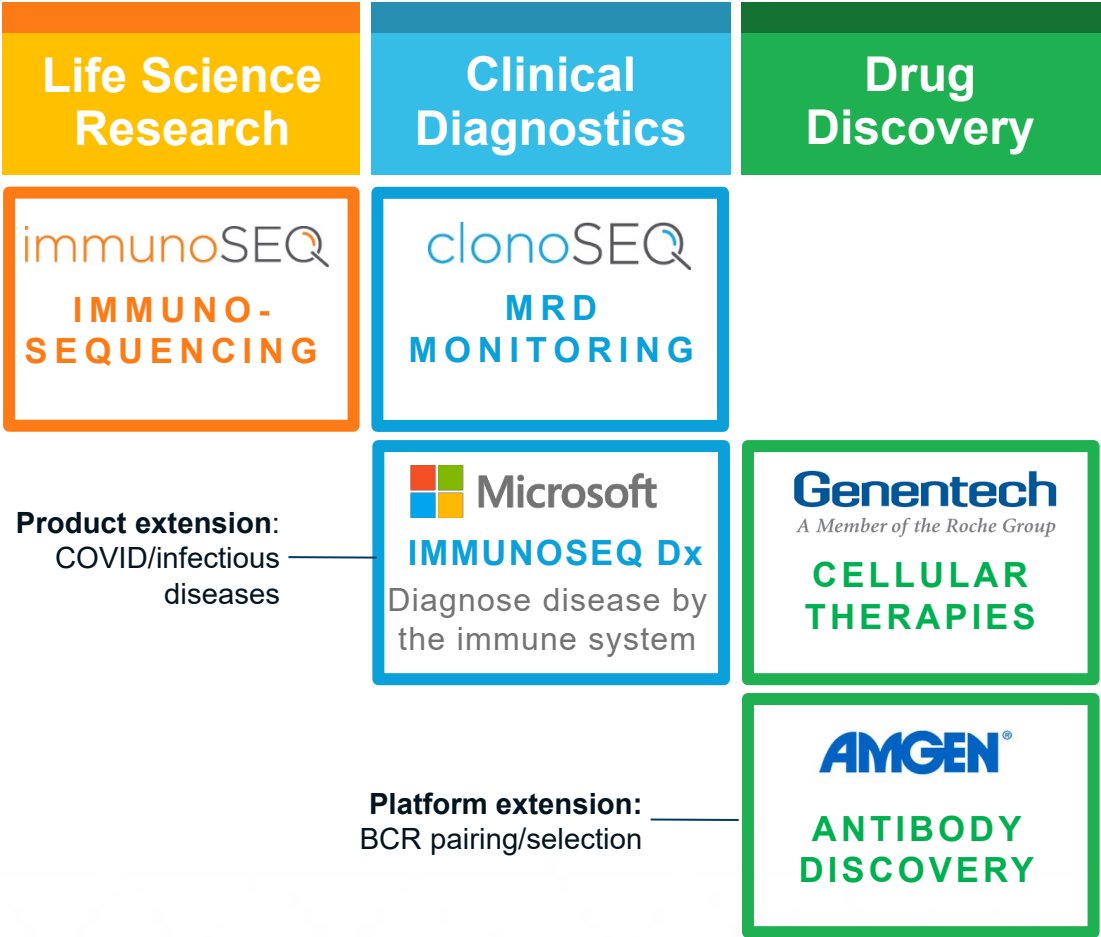


High margin, immune driven clinical products



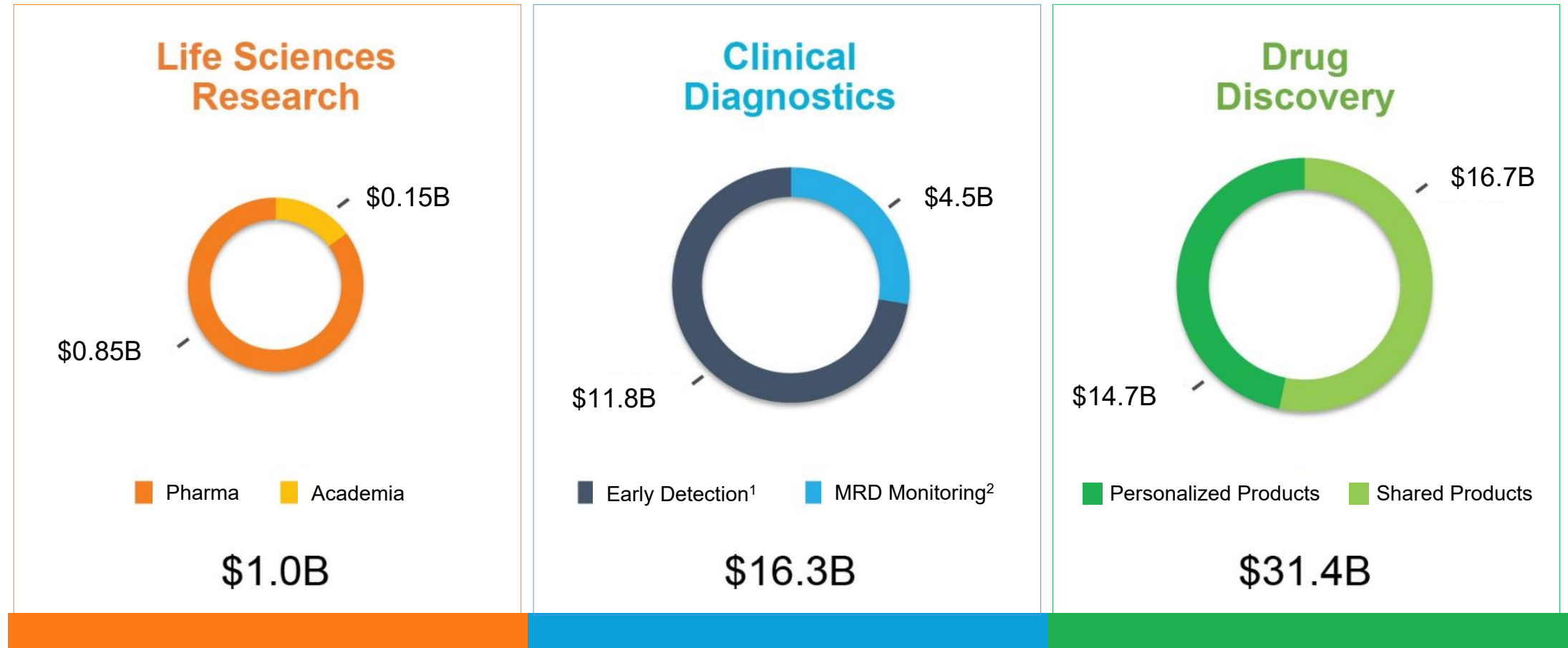
COMMERCIAL

PIPELINE



**Note:** immunoSEQ is for Research Use Only (RUO) and not for use in diagnostic procedures; The clonoSEQ Assay is FDA-cleared for use in B-cell acute lymphoblastic leukemia and multiple myeloma patients to detect and monitor minimal residual disease (MRD) in bone marrow samples. clonoSEQ is also available for use in other lymphoid cancers as an LDT. For important information about the FDA-cleared uses of clonoSEQ, including test limitations, visit [clonoseq.com/technical-summary](https://clonoseq.com/technical-summary)

# ~\$48B+ addressable market breaks down across 3 product areas



<sup>1</sup> Early detection includes ovarian cancer testing for high-risk women who are BRCA-mutation positive or who have been diagnosed or treated for breast cancer, and celiac disease testing for people who have undiagnosed gastrointestinal symptoms or who are first-degree relatives of people with a confirmed celiac diagnosis.

<sup>2</sup> MRD monitoring in ALL, MM, CLL, and NHL globally. Assumes 2-4 MRD tests per treatment cycle depending on indication and geography.

# Key milestones achieved in 2019

immunoSEQ  
IMMUNO-  
SEQUENCING

- ◆ Completed development of upgraded immunoSEQ Assay (lab & kit)

clonoSEQ  
MRD  
MONITORING

- ◆ Achieved CLEP approval for patients in New York<sup>1</sup>
- ◆ Filed with FDA for CLL in blood
- ◆ Covered by Medicare and five private national payors

Microsoft  
IMMUNOSEQ  
Dx

- ◆ Confirmed first signal in acute Lyme disease

Genentech  
A Member of the Roche Group  
CELLULAR  
THERAPIES

- ◆ Delivered data package for 1<sup>st</sup> selected TCR candidate



# Key milestones for 2020

immunoSEQ  
IMMUNO-  
SEQUENCING

- ◆ Launch new immunoSEQ RUO kit

clonoSEQ  
MRD  
MONITORING

- ◆ Achieve CMS coverage for CLL
- ◆ Launch clonoSEQ for CLL in blood
- ◆ File with FDA for ALL in blood

Microsoft  
IMMUNOSEQ  
Dx

- ◆ Generate second clinical diagnostic signal
- ◆ Submit first indication to FDA

Genentech  
*A Member of the Roche Group*  
CELLULAR  
THERAPIES

- ◆ GNE to file IND for first shared product<sup>1</sup>

<sup>1</sup> Product candidates in development as part of our worldwide collaboration and license agreement with Genentech. The “1st Shared” and “2nd Shared” product candidates refer to the two lead clinical product candidates selected from our library of TCRs that target cancer antigens present in many cancer patients. Genentech will determine the timing of discussions with, and submissions to the FDA.

# Quantifying immunology with immunoSEQ

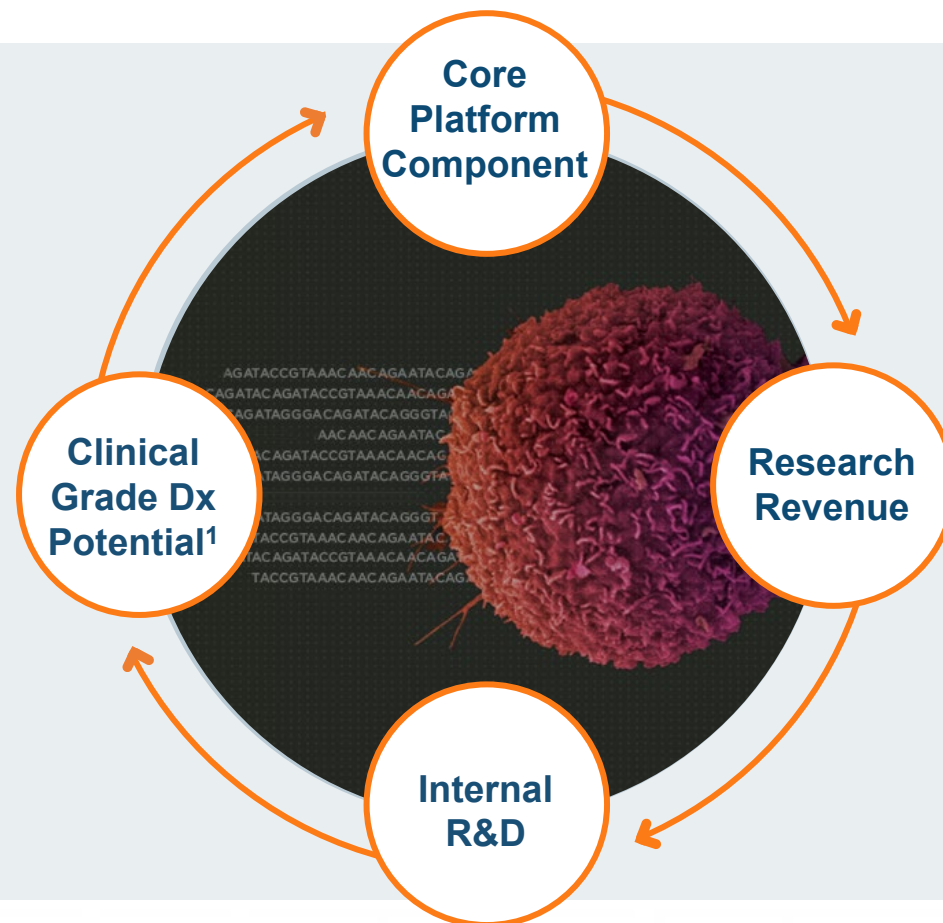
~\$1B market opportunity

LIFE SCIENCE RESEARCH

SCALE

PRECISION

SPEED



**~2,200**  
RESEARCHERS

**165+**  
BIOPHARMA PARTNERS

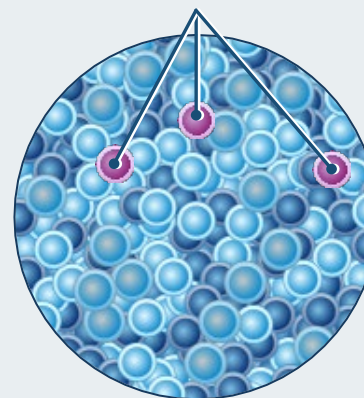
**650+**  
CLINICAL TRIALS

# Monitoring minimal residual disease (MRD) in blood cancer

~\$4.5B market opportunity for 4.6M patients

- ◆ Patients are living longer on new therapies
- ◆ Clinicians need to monitor disease burden
- ◆ Pharma needs earlier response measures
- ◆ Guidelines include MRD in multiple diseases

clonoSEQ COUNTS  
REMAINING CANCEROUS CELLS



**FDA-cleared**  
MM and ALL, bone marrow

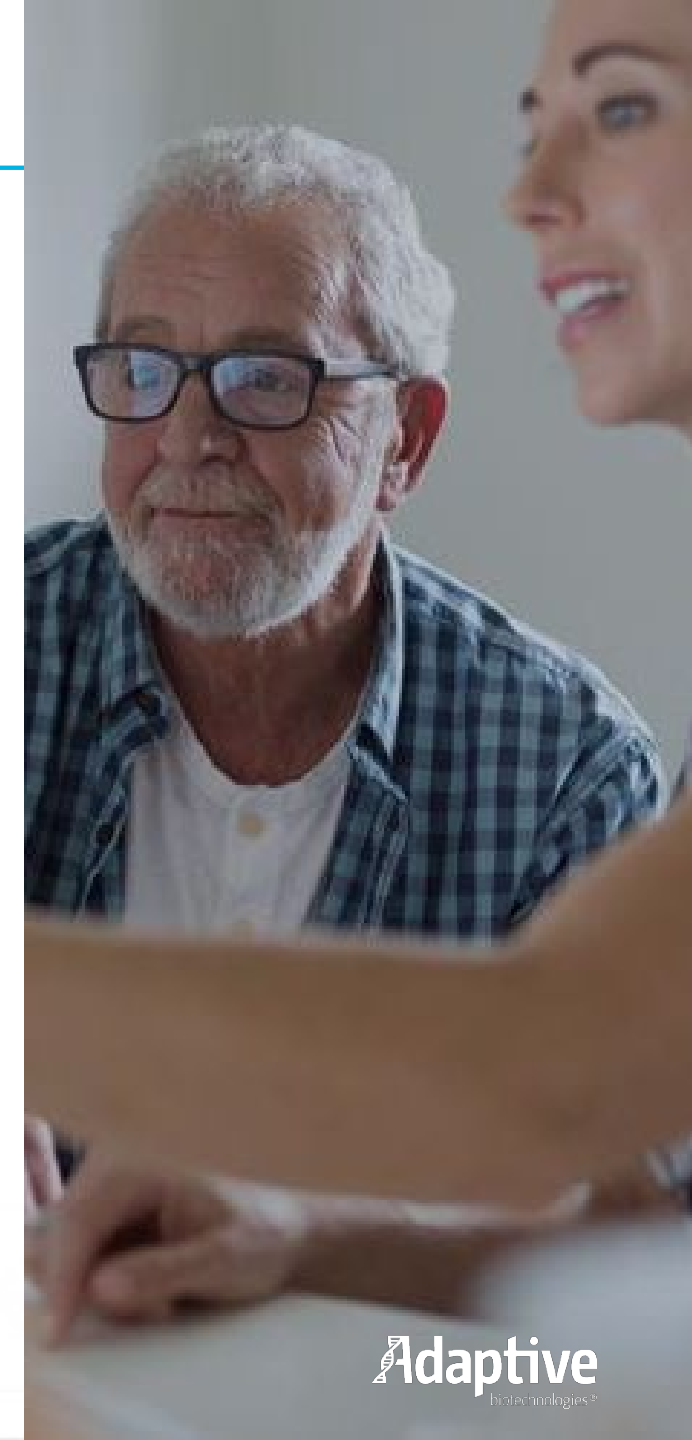
**CLEP approval & LDT**  
MRD monitoring for B-cell  
and T-cell<sup>1</sup> cancers

**Reimbursement**  
~200M+ covered lives

# clonoSEQ positioned to capture market share

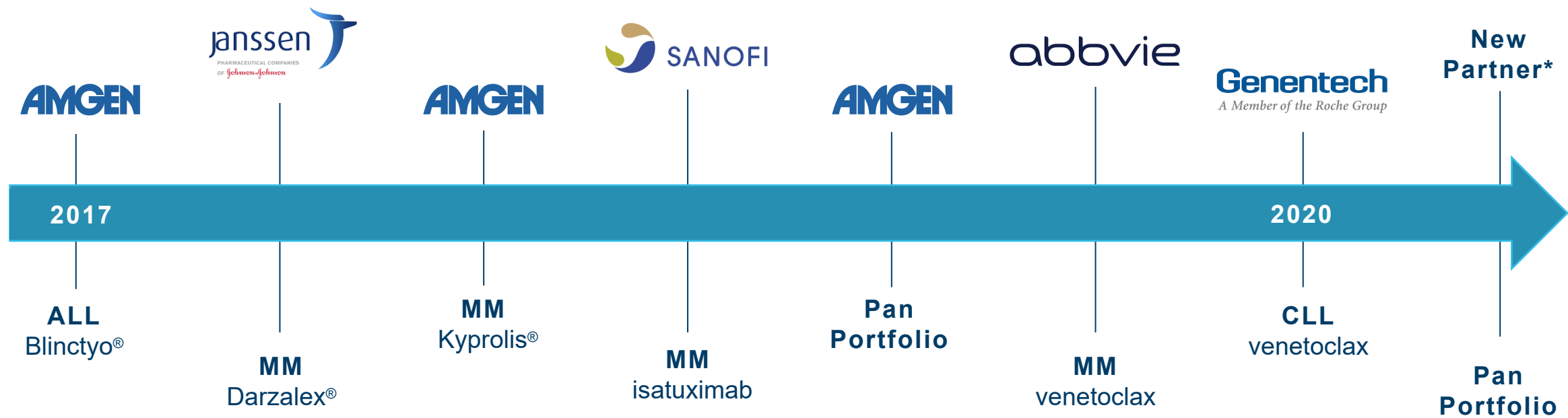
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- ◆◆ **Sensitivity** of technology at  $10^{-6}$
- ◆◆ Strong IP position with **9** issued patents for monitoring MRD to date
- ◆◆ Incorporated into **> 40 ISTs** and **66** peer-reviewed publications
- ◆◆ Standard measurement for **>200** MRD pharma trials
- ◆◆ Significant reimbursement in place with **>200M** covered lives
- ◆◆ Product and services integration into **>130** key accounts



# clonoSEQ is becoming a standard measure of MRD in pharma trials

CLINICAL DIAGNOSTICS

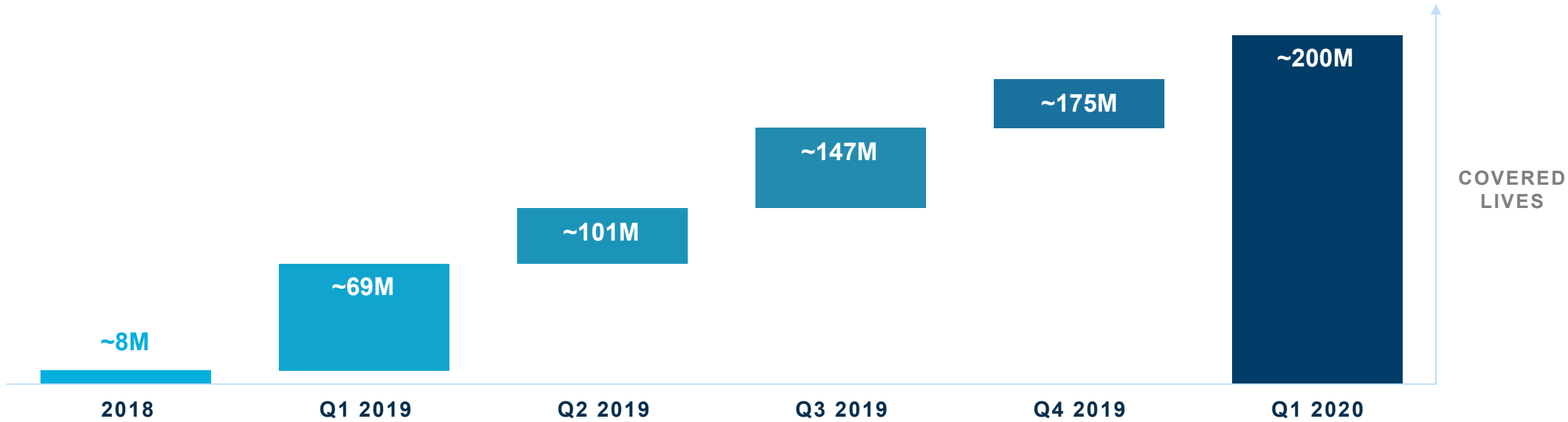


- ◆ >40 partners
- ◆ ~\$270M+ milestone payments
- ◆ >200 trials
- ◆ Asset- or portfolio-based

\* Partner prefers public reference upon regulatory approval.

# clonoSEQ is achieving notable reimbursement success

CLINICAL DIAGNOSTICS





ALL, MM, CLL



ALL, MM



ALL, MM



ALL, MM



Broad coverage



MM



# clonoSEQ is gaining traction within clinical practices across the US



## Adoption to date

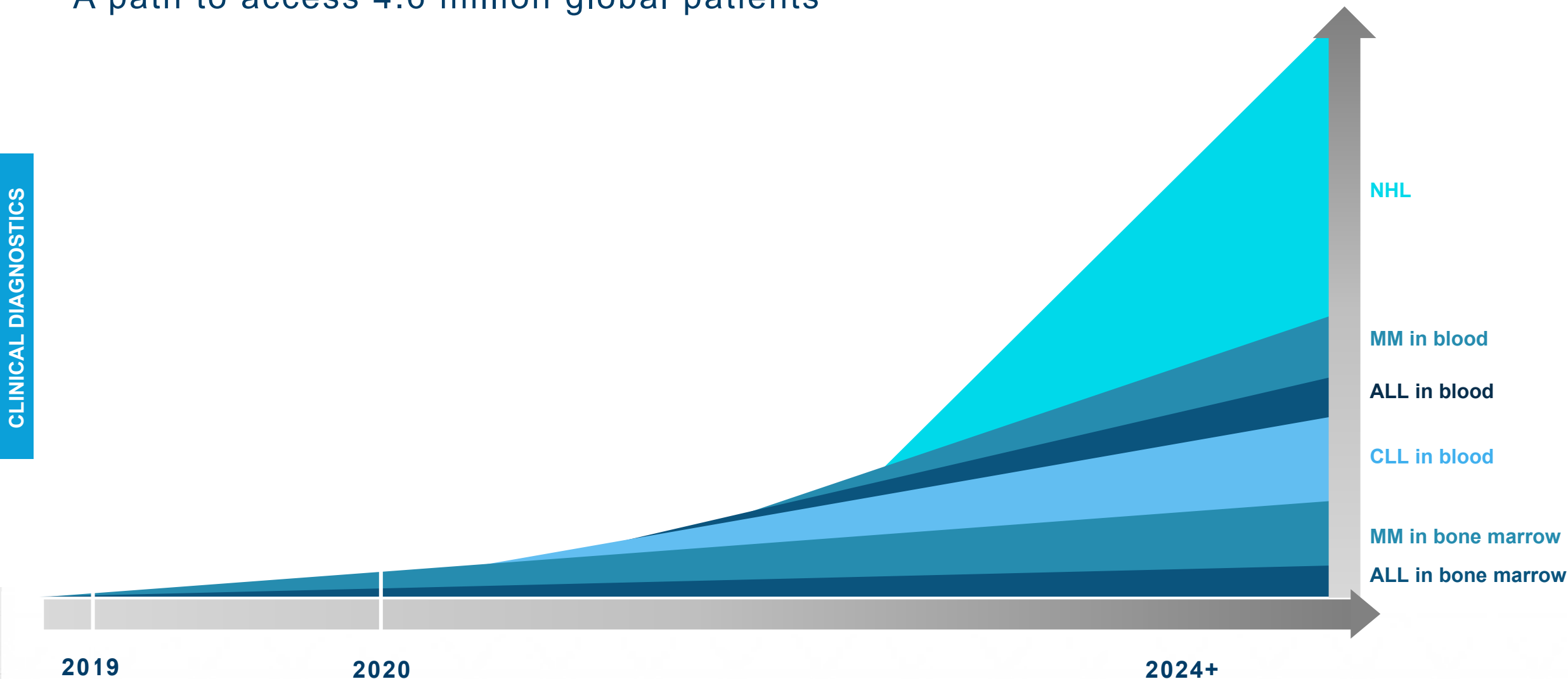
- ◆ ~130 accounts
- ◆ >9,500 unique patients

## 2020 Focus

- ◆ Activate & train accounts
- ◆ Expand use cases
- ◆ Drive demand
- ◆ Engage patients

# clonoSEQ volumes will scale with increasing access to patients

A path to access 4.6 million global patients



# immunoSEQ Dx: TCR-Antigen Map for diagnosis of multiple diseases

~\$11.8B market opportunity

## Diagnostic odyssey...

- ◆ Diseases difficult to diagnose
- ◆ Some diagnoses can take 3-5 years
- ◆ Often inaccurate
- ◆ Poor or no diagnostic for many diseases

**Earlier intervention would improve  
patient outcomes**

CANCER

CELIAC

2

EARLY CLINICAL  
SIGNALS

2019

CONFIRMED SIGNAL IN  
LYME

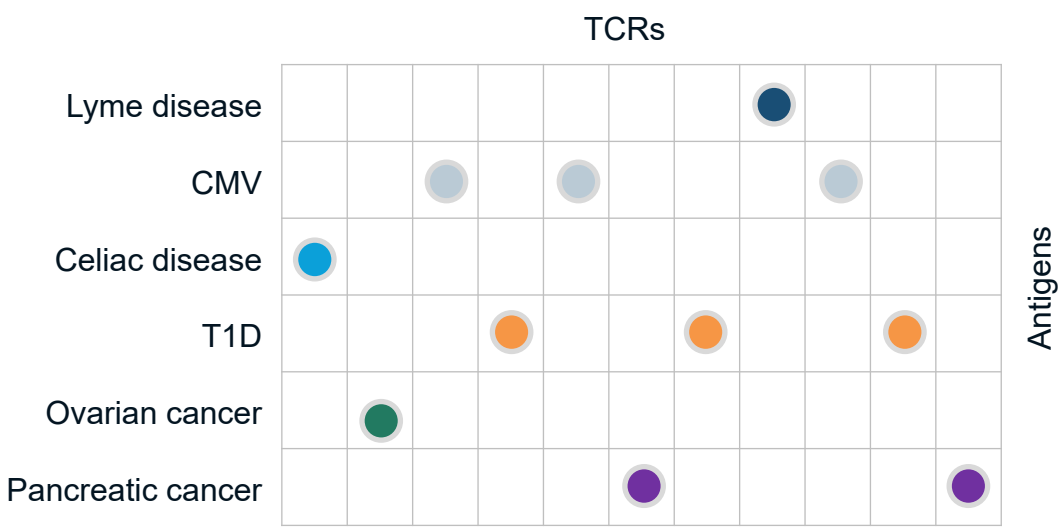
GOAL

BECOME PART OF  
PRIMARY CARE

# immunoSEQ Dx: Building the Antigen Map at the population level



## MAP TCRs to Disease Antigens

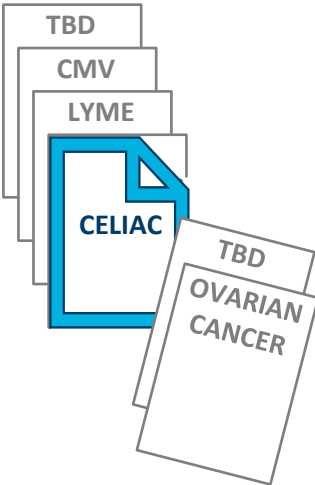
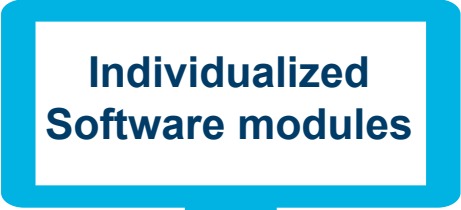
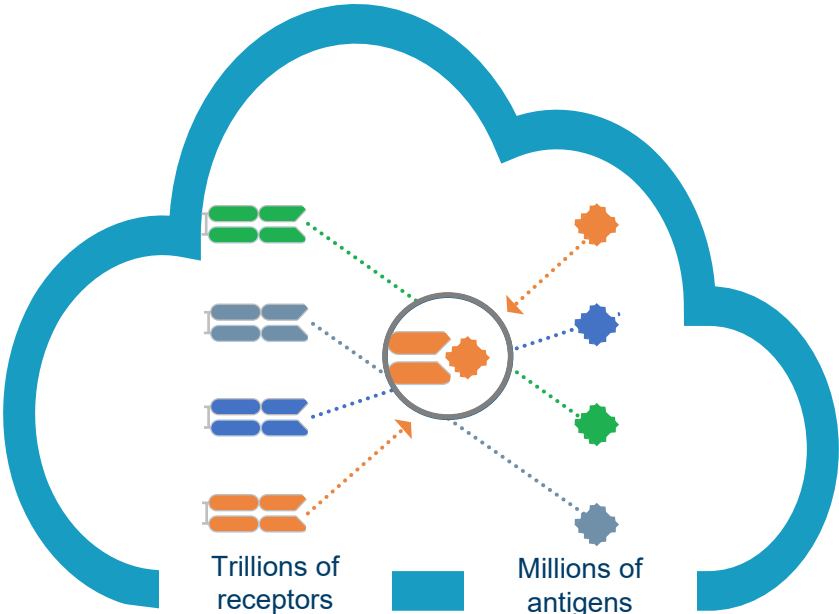
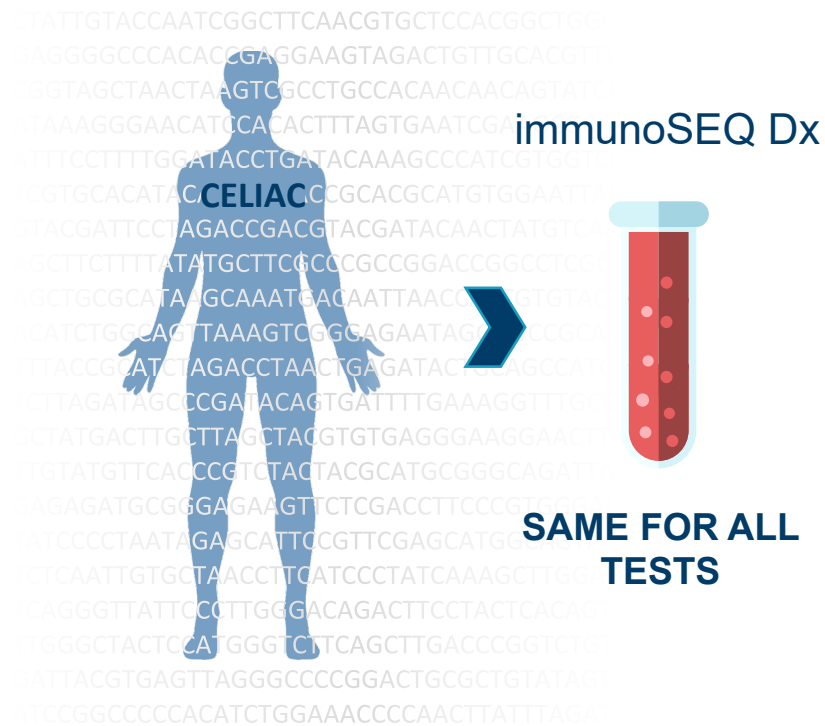


## Self-Learning Diagnostic

- Run naïve blood to map receptors to antigens
- Collaborate on studies with control groups
- Leverage database of unlabeled samples

# Using the map at the individual patient level

CLINICAL DIAGNOSTICS



# COVID-19 program – ImmuneRACE study



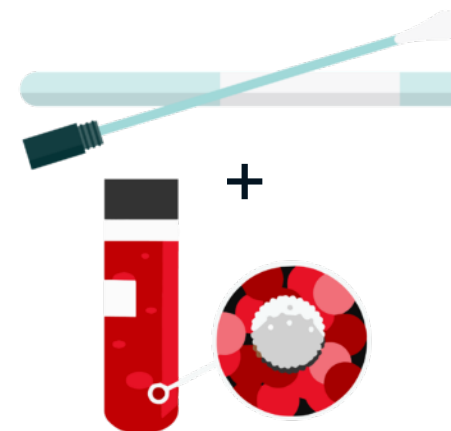
- ◆ *Launched within 5 weeks (4/24/20)*
- ◆ Approximately 1,000 adult participants
  - **Cohort 1:** Exposed
  - **Cohort 2:** Active infection
  - **Cohort 3:** Recovered
- ◆ Key metadata, permission to access records
- ◆ Serial sampling (X4) in some subjects



Participant enrolls



Participant completes  
questionnaire



Blood draw + nasal or OP swab  
**Option for multiple samples  
over 2 months**



# Leveraging the immune system to treat disease

~\$31.4B market opportunity for >100,000 metastatic patients<sup>1</sup>

- ◆ Cell therapies showing great efficacy
  - Limited to surface markers only
- ◆ T cell receptors are cancer specific
- ◆ Our platform generates highly potent TCRs against cancer antigens

TWO COMPANIES LED BY  
SCIENCE



+

**Genentech**  
*A Member of the Roche Group*

**\$300M**

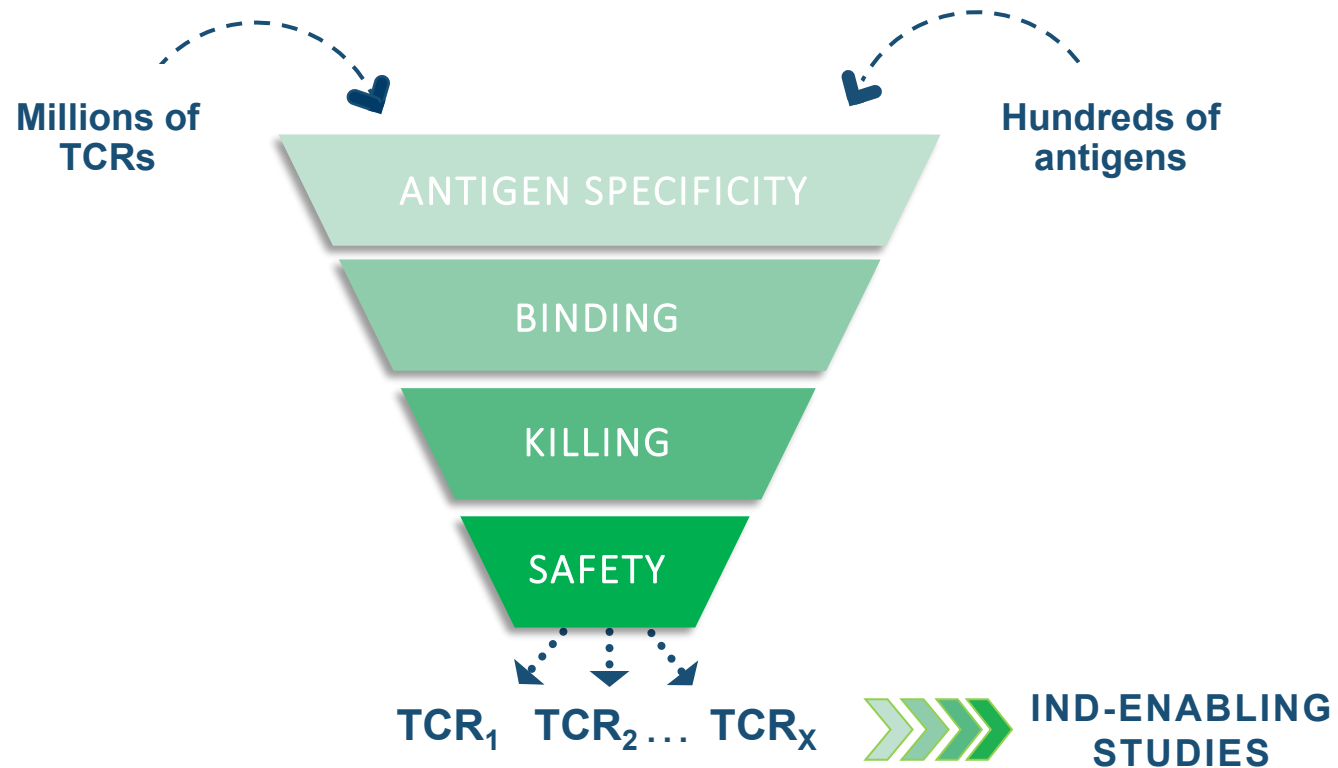
Upfront payment

**\$1.8B**

In milestone payments

Royalties in mid-single  
digit to upper-teen range

# Shared product: identifying optimal clinical TCR candidates



## Building the TruTCR library:

**3,000**

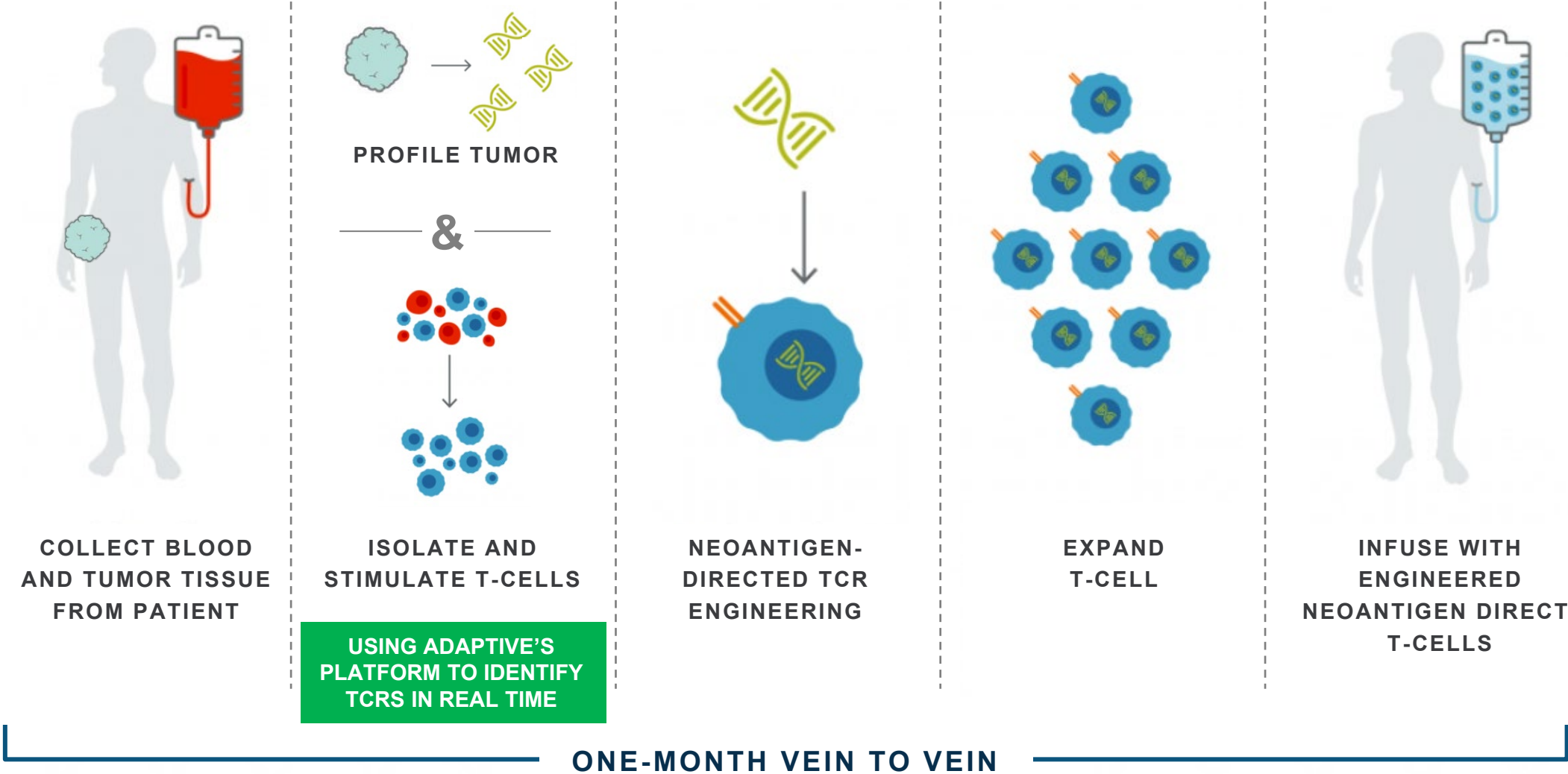
unique, naturally occurring TCRs

**~600**

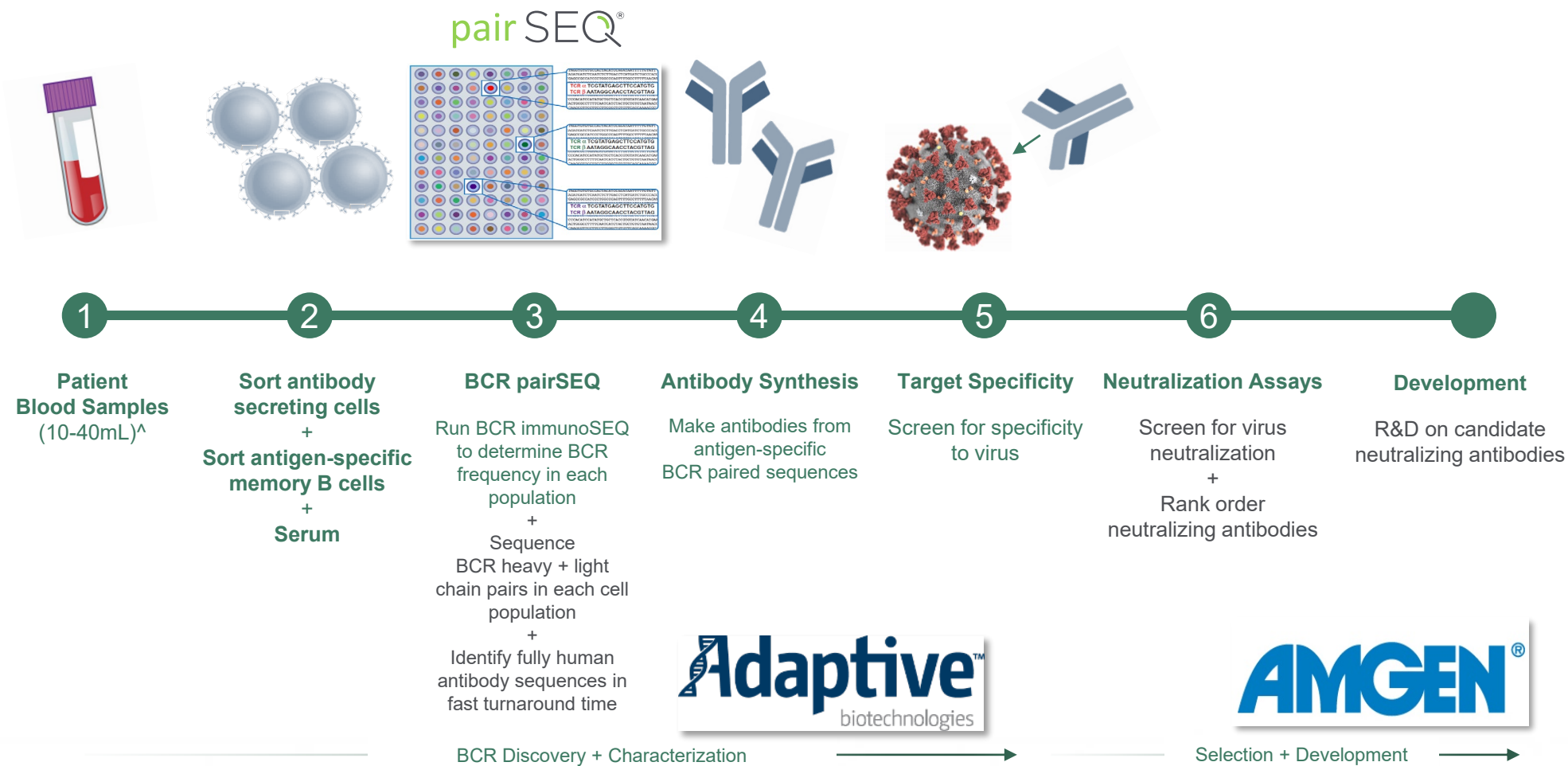
clinically relevant targets

# Personal product: identify best TCRs to a patient's unique neoantigens

DRUG DISCOVERY

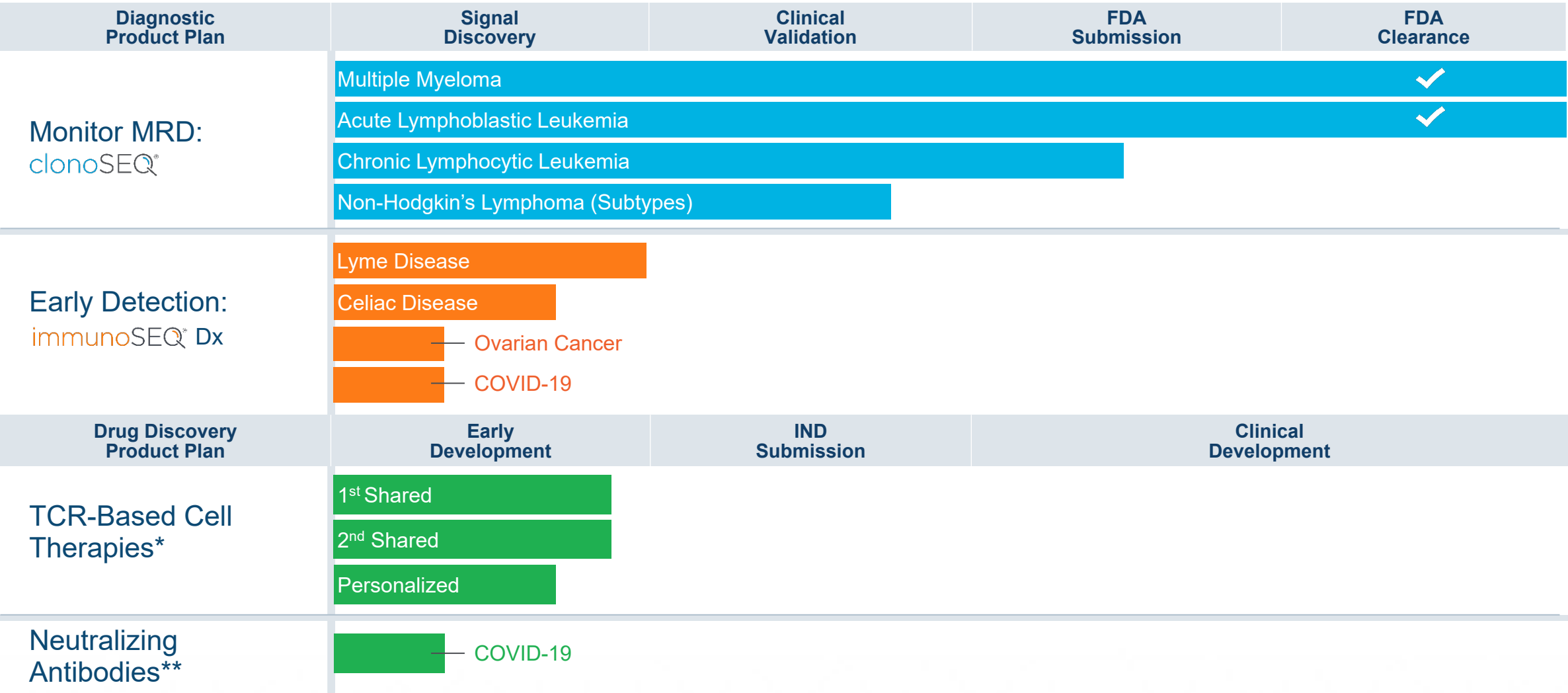


# COVID-19: Antibody discovery workflow



<sup>^</sup> COVID-19 patient blood to be shipped to Adaptive within 6hrs. of collection

# Clinical portfolio and pipeline

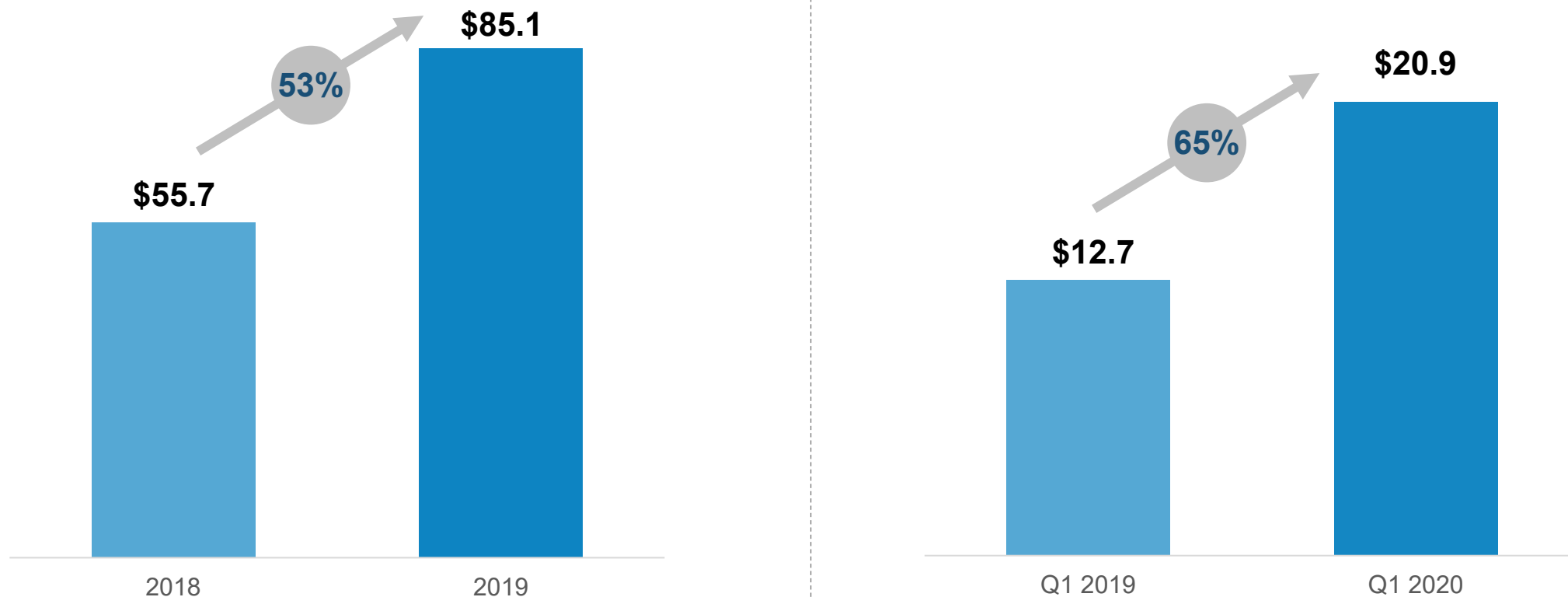


\* Product candidates in development as part of our worldwide collaboration and license agreement with Genentech. The “1st Shared” and “2nd Shared” product candidates refer to the two lead clinical product candidates selected from our library of TCRs that target cancer antigens present in many cancer patients. Genentech will determine the timing of discussions with, and submissions to the FDA.

\*\* Product candidates in development as part of our collaboration with Amgen.

# Financial highlights

## REVENUE (Millions)



- ◆ Strong balance sheet with **~\$656 million** in ending cash, cash equivalents and marketable securities as of March 31, 2020



# Multiple opportunities for growth

