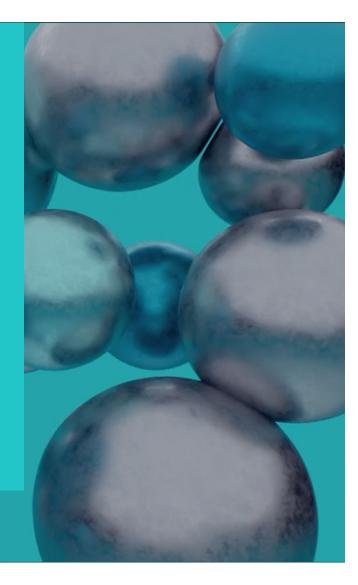
# JP Morgan Healthcare Conference 2021

*Omid Farokhzad, CEO January 11, 2021* 



#### Safe Harbor Disclosures

Certain statements in this presentation and the accompanying oral commentary are forward-looking statements within the meaning of the federal securities laws. These statements relate to future events or Seer, Inc. (the "**Company**")'s future results and involve known and unknown risks, uncertainties and other factors that may cause the actual results, levels of activity, performance or achievements of the Company or its industry to be materially different from those expressed or implied by any forward-looking statements. In some cases, forward-looking statements can be identified by terminology such as "may," "will," "could," "should," "to," "target," "expect," "plan," "anticipate," "intend," "believe," "estimate," "predict," "potential" or other comparable terminology.

All statements other than statements of historical fact could be deemed forward-looking. These forward-looking statements are subject to a number of risks, uncertainties and assumptions, including, among other things: any expectations regarding the Company's projections of market opportunities; statements regarding the Company's business strategy, operations, results of operations, financial needs, and financial condition; statements regarding the Company's long-term expectations; statements that may suggest trends for the Company's business or industry, including expectations that may affect the unmet need and the size of the proteomics market and adjacent markets; statements about the Company's ability to successfully execute the development and commercialization of its Proteograph™ Product Suite, the demand for the Company's Proteograph Product Suite from its target customers and in general; the launch of any new or additional products, and any expectations regarding new customer acquisition in domestic or global markets, including but not limited to Asia; statements regarding customer adoption of new technologies domestically and globally; any statements regarding expectations for future regulatory approvals; the Company's ability to expand life sciences markets through the use of its technology; the scope of protection the Company is able to successfully establish and maintain for intellectual property rights, including its Proteograph Product Suite; projections, assumptions, and estimates of the Company's future performance and the future performance of the markets in which it operates; the Company's expectations regarding its gross margins, and operating income and expenses; any statements of the plans, strategies, and objectives of management for future operations; any statements of expectation or belief regarding future events, opportunities to drive future growth, and potential markets or market size, or technology developments.

While the Company believes these expectations, assumptions, estimates and projections are reasonable, such forward-looking statements are only predictions and involve known and unknown risks and uncertainties, many of which are beyond the Company's control. These and other important factors may cause actual results, performance, or achievements to differ materially from those expressed or implied by these forward-looking statements. The forward-looking statements in this presentation are made only as of the date hereof. For a further description of the risks and uncertainties that could cause actual results to differ from those expressed in these forward-looking statements, as well as risks relating to the business of the Company in general, are described more fully in the Company's filings with the Securities and Exchange Commission ("**SEC**") and other documents that the Company subsequently files with the SEC from time to time. The Company specifically disclaims any intention to update any forward-looking statements included in this presentation. If one or more of these statements is updated or corrected, investors and others should not conclude that additional updates or corrections will be made.

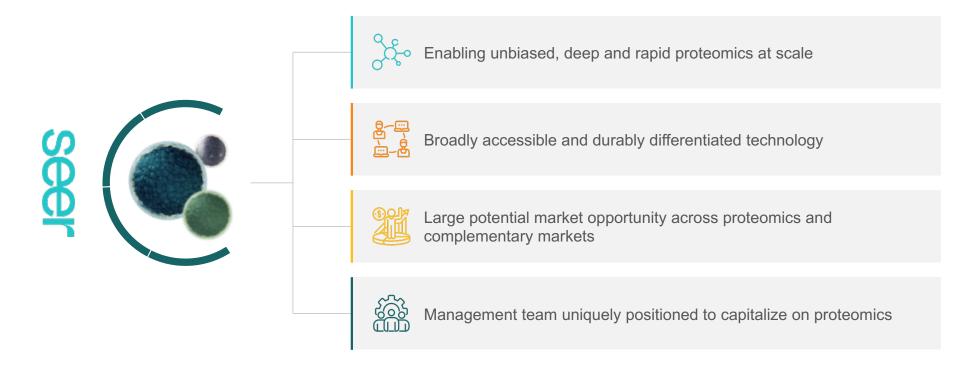
In light of the foregoing, investors are urged not to rely on any forward-looking statement in reaching any conclusion or making any investment decision about any securities of the Company.

Copyright Seer 2021



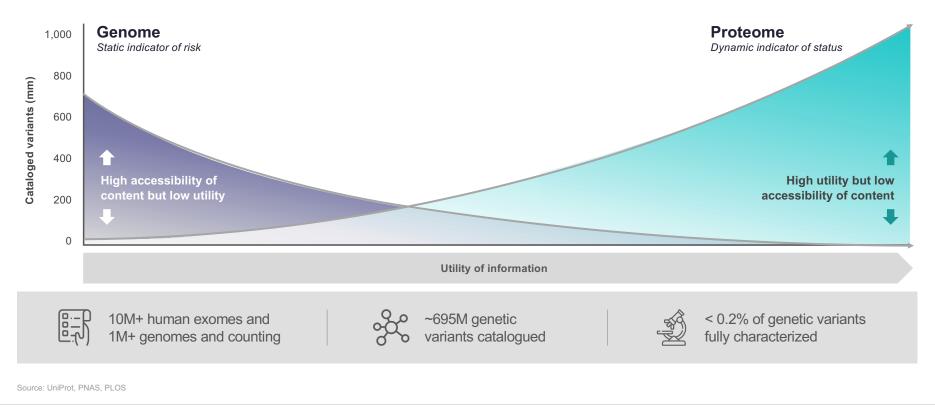
2

# **Empowering Scientists Through Transformative Products for Proteomics**





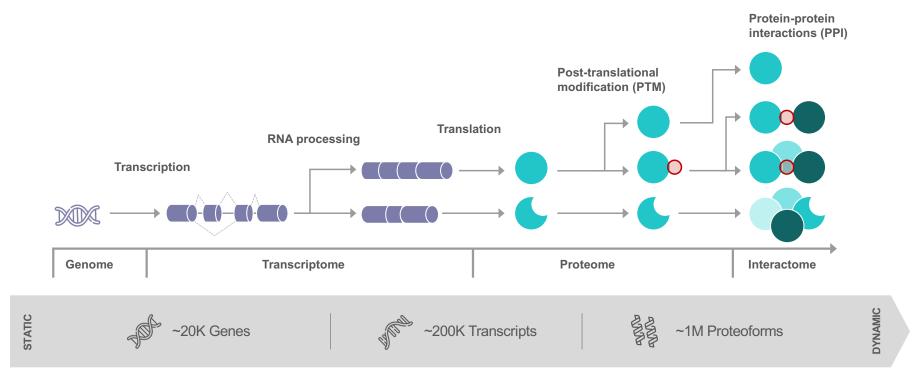
# Full Characterization of the Proteome is Essential to Filling in the Missing Pieces of Biology





#### Proteomes Are Dynamic and Far More Diverse Than Genomes

Unbiased deep proteomics at scale has the potential to reveal biological insight



Source: Isabell Bludau et al. Proteomic and interactomic insights into the molecular basis of cell functional diversity. Nature Reviews Molecular Cell Biology (2020).



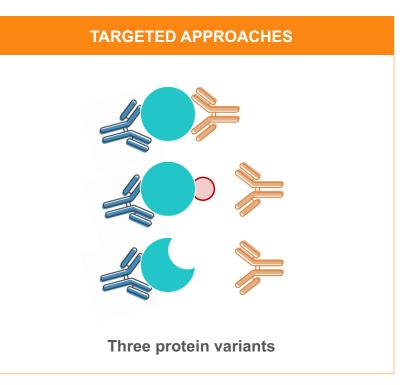
# Existing Targeted Technologies Provide Limited Access to the Proteome

Targeted approaches are not able to distinguish important variants

Average length of a human protein is 472 amino acids, average length of a binding epitope is 5-8 amino acids

Targeted approaches can miss the presence of protein variants

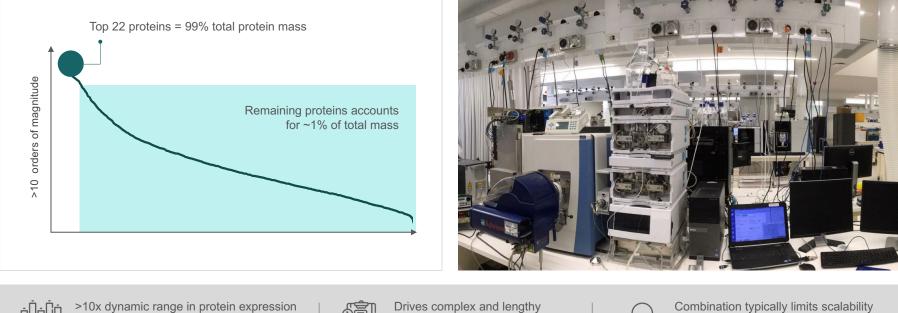
Targeted approaches may not distinguish protein variants





# Existing Unbiased Approaches Do Not Scale

Complex sample-handling and lengthy processes limit sample throughput



requires lengthy and complex fractionation and depletion steps



Drives complex and lengthy process with high infrastructure requirement



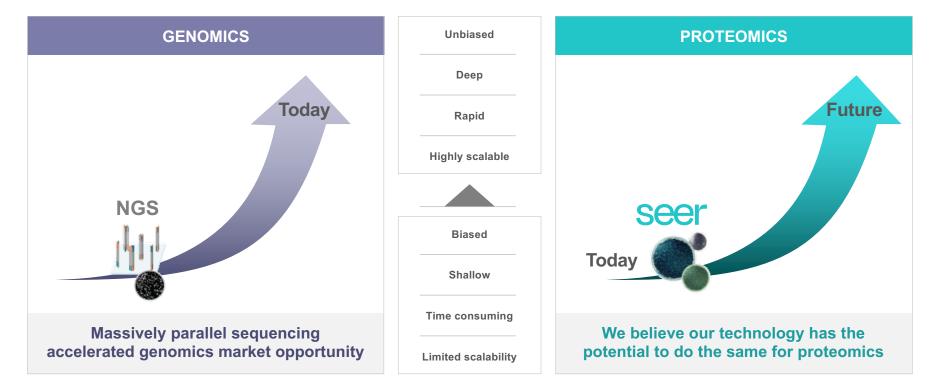
Combination typically limits scalability of current untargeted, deep methods to only 10s of samples\*

Source: Isabell Bludau et al. Proteomic and interactomic insights into the molecular basis of cell functional diversity. Nature Reviews Molecular Cell Biology (2020). \* Applies to studies in plasma of >600 proteins



### Overcoming the Limitations in Accessing the Proteome

The proteome has the potential to significantly expand our understanding of biology as genomics has done

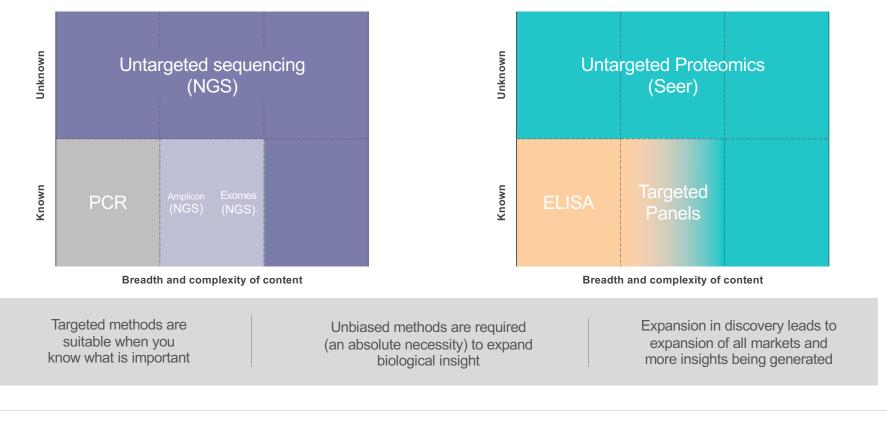


Source: Allied Market Research. "Global Proteomics Market - Opportunity Analysis and Industry Forecast, 2018-2025" (March 2019); Technavio. "Genomics Market by Solution and Geography - Forecast and Analysis 2020-2024".



### **Insights from Genomics**

What researchers did with untargeted sequencing technology that expanded their discovery capabilities



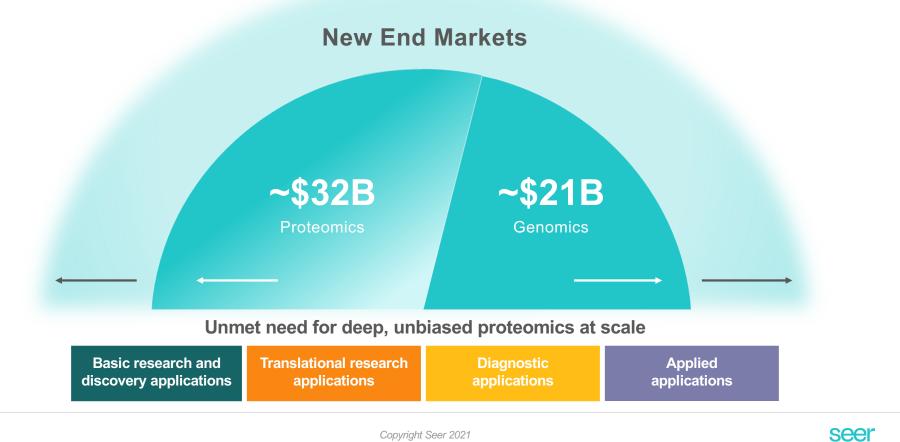




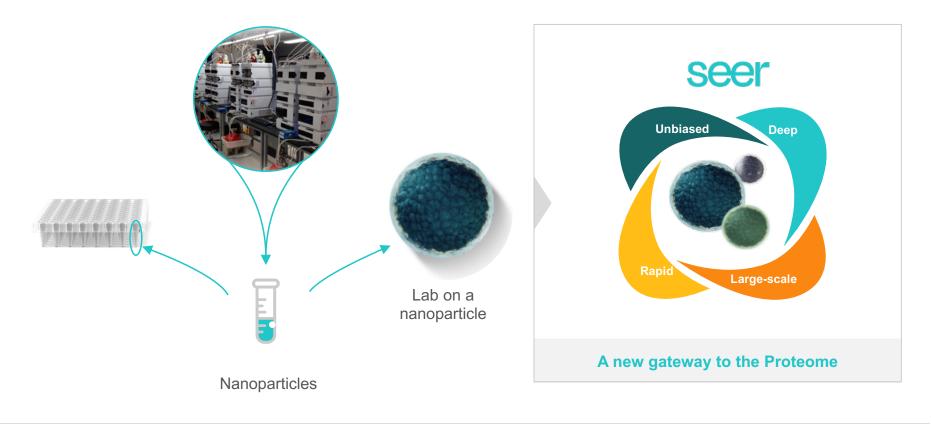
# **Opening a New Frontier**

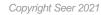
10

Expanding proteomics and genomics markets via unbiased, deep, and rapid proteomics at scale



#### Seer Enables Unbiased, Deep and Rapid Proteomic Analysis At Scale

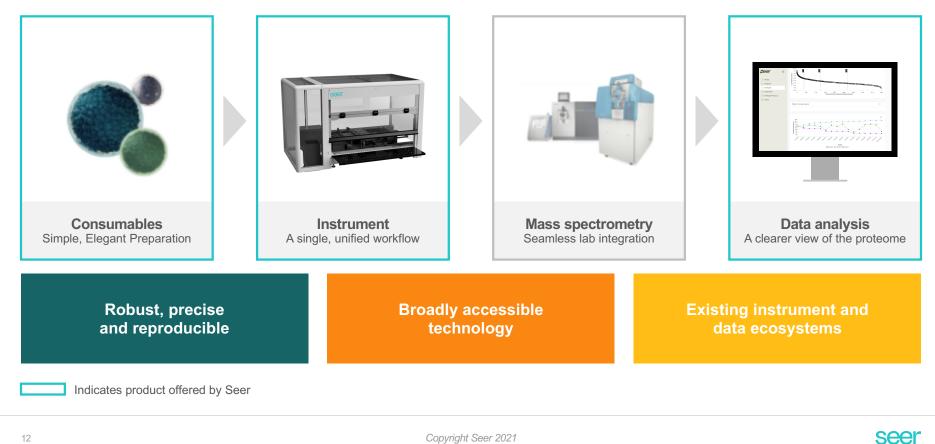






# Seer's Proteograph<sup>™</sup> Product Suite

Designed to enable researchers globally to access the proteome in a new way



#### Leveraging the Innate Biology of Proteins to Transform Proteomics

Proprietary nanoparticle technology takes advantage of physicochemical interactions of proteins

Seer Nanoparticle Technology Engineered Physicochemical Properties

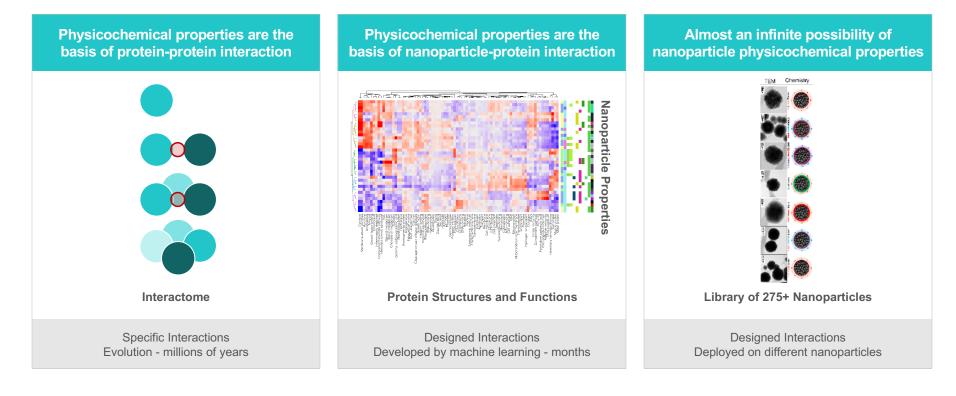


#### 5 issued and over 25 pending patents



#### Seer's Nanoparticles Improve on Nature's Evolutionary Approach

Machine-learning-based models of NP-protein interaction facilitate design of nanoparticles

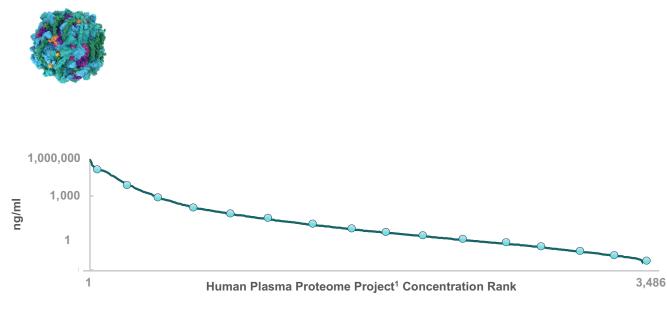






#### Engineered Physicochemical Properties of the NPs, Influence the Identity of the Proteins Attracted

With the ability to increase fidelity by adding diverse nanoparticles

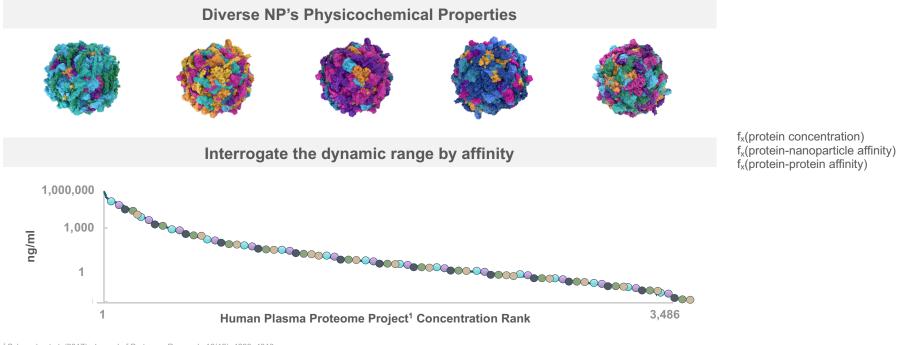


<sup>1</sup> Schwenk, et al. (2017). Journal of Proteome Research, 16(12), 4299–4310.



#### Engineered Physicochemical Properties of the NPs, Influence the Identity of the Proteins Attracted

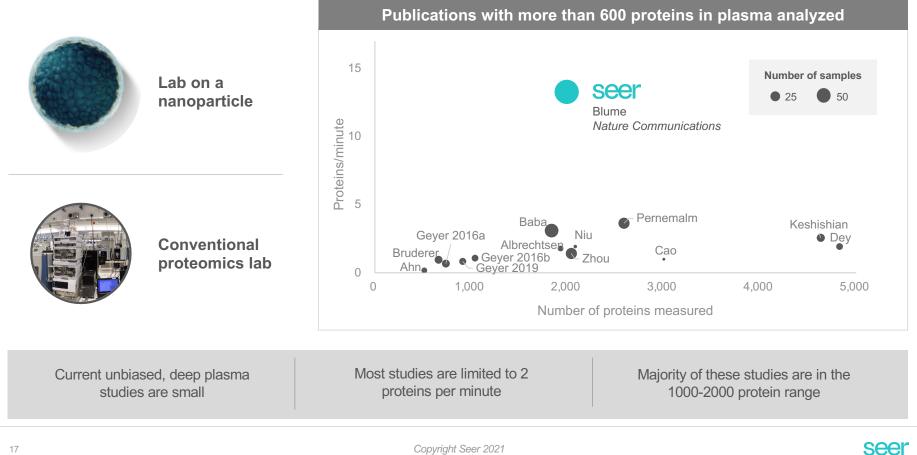
With the ability to increase fidelity by adding different nanoparticles



<sup>1</sup> Schwenk, et al. (2017). Journal of Proteome Research, 16(12), 4299–4310.

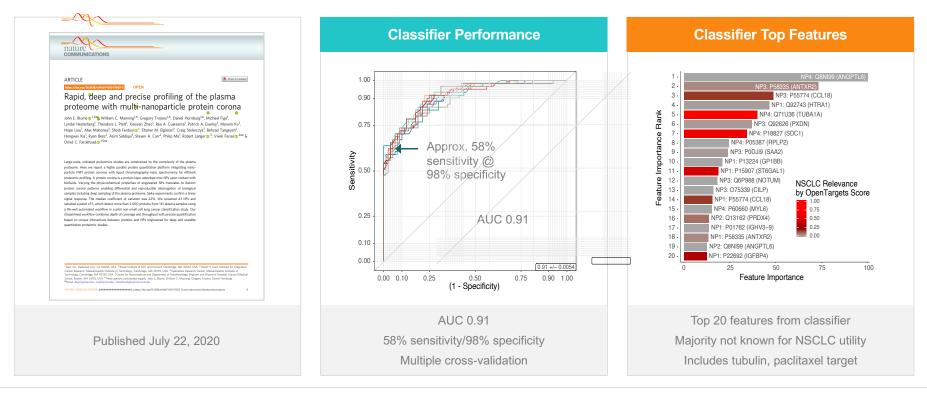


#### Proteograph Is Designed to Improve Speed and Scale



# Deep, Unbiased, Scalable Proteomics Has the Potential to Lead to Powerful Clinical Insights

Nature Communications publication demonstrates potential of Seer technology for oncology

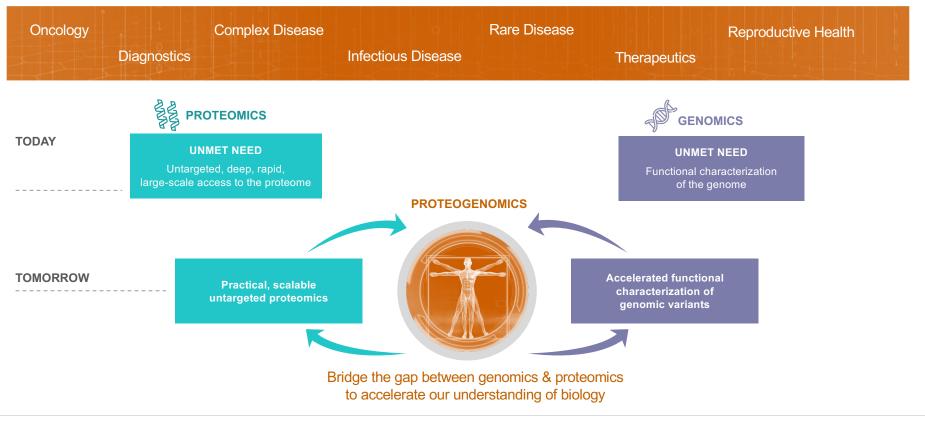






# Proteograph Addresses Key Unmet Needs Across Multiple Markets

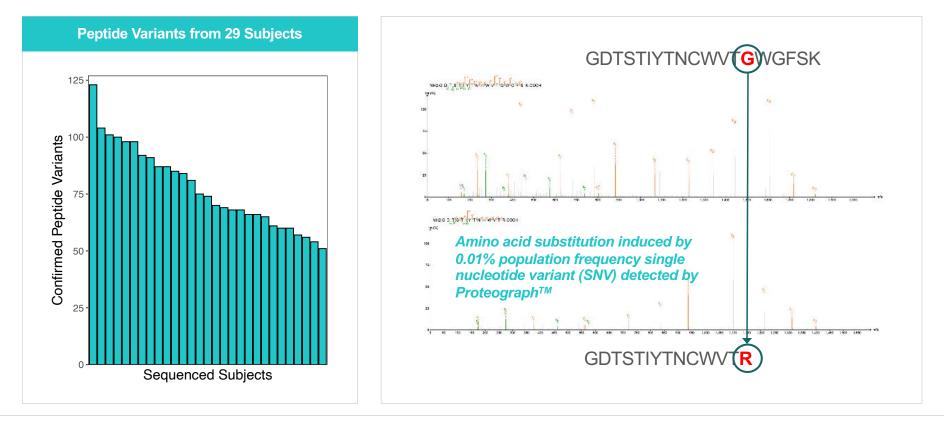
Unmet needs across markets represents substantial opportunity

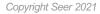




#### Power of Proteogenomics to Reveal Novel Biological Insights

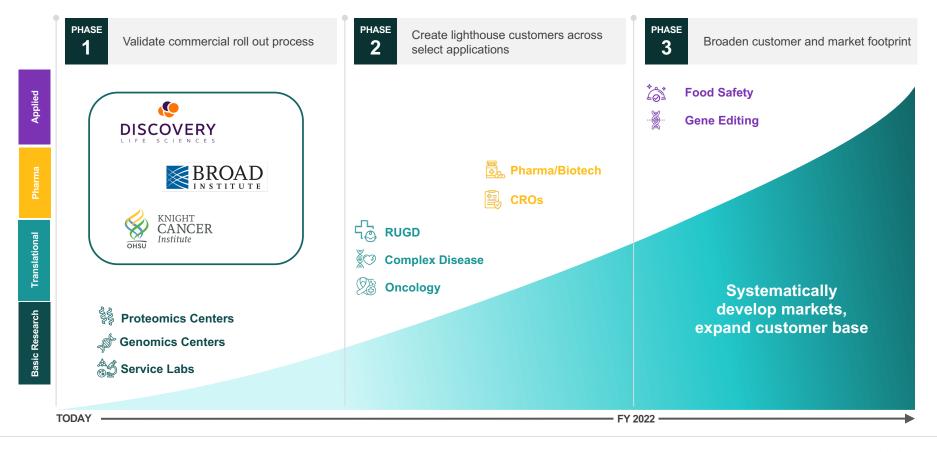
Matching proteomics and genomic information will unlock biology







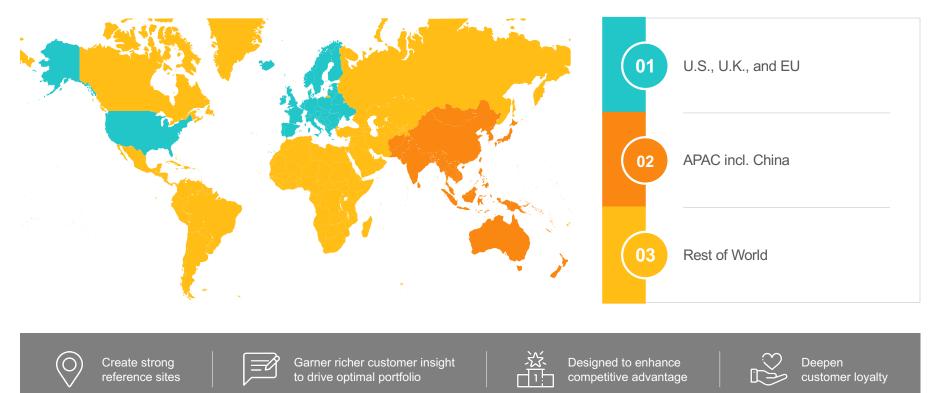
#### Phased Commercialization Process Underway





#### Focused, Measured Commercial Expansion Strategy

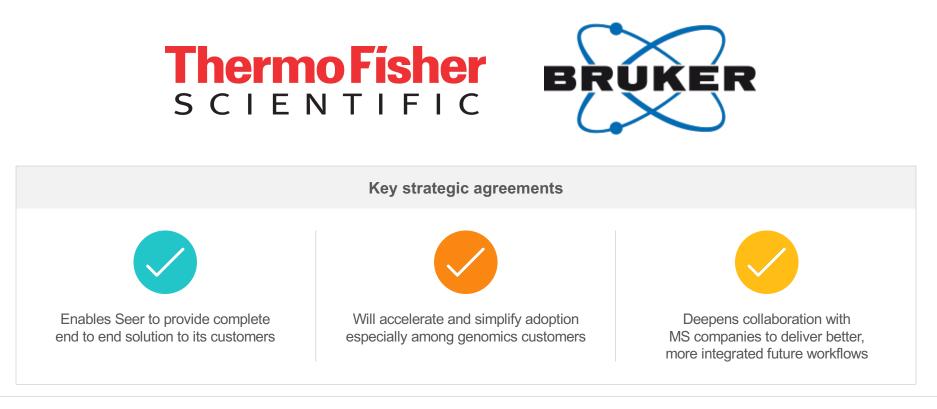
Provide value-add, customer-centric interaction model with high focus on customer experience





#### Partnerships to Expand Markets and Accelerate Proteogenomics

Commercial partnerships provide a complete end-to-end workflow to lower barriers to customer adoption





#### Driving Market Development Strategies to Expand Opportunity

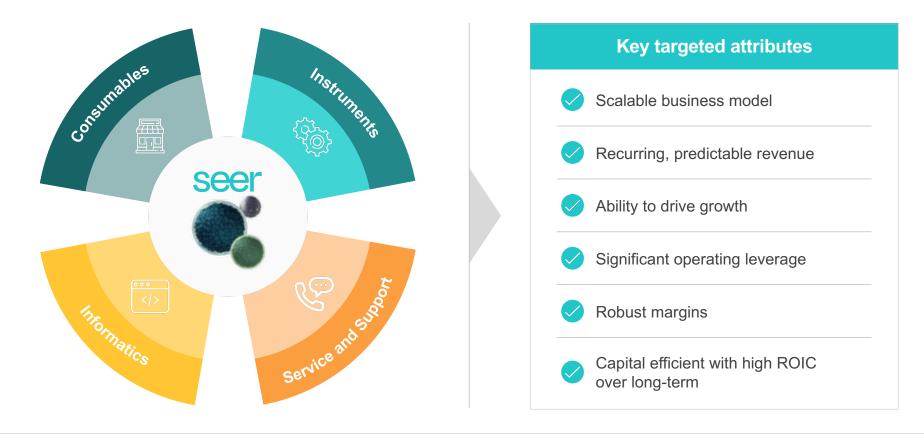
Building an ecosystem around unbiased, deep proteomics



Technologies that enable rapid, deep and unbiased analysis of the proteome, while retaining the ability to detect and quantify modifications like phosphorylation, are essential now and in the future of biology and clinical medicine." — Steve Carr, Senior Director of Proteomics, Broad Institute



#### **Robust Commercial Model**





#### Seer: A New Gateway to the Proteome

Making strong progress since the IPO

