# UNITED STATES SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

#### FORM 8-K

CURRENT REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

Date of Report (Date of earliest event reported): May 14, 2020

#### AMICUS THERAPEUTICS, INC.

(Exact Name of Registrant as Specified in Its Charter)

#### **Delaware**

(State or Other Jurisdiction of Incorporation)

Delaware
(State or Other Jurisdiction of Incorporation)

 $\ \square$  Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

001-33497 (Commission File Number) 71-0869350 (I.R.S. Employer Identification No.)

1 Cedar Brook Drive, Cranbury, NJ 08512 (Address of Principal Executive Offices, and Zip Code)

609-662-2000

Registrant's Telephone Number, Including Area Code

(Former Name or Former Address, if Changed Since Last Report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

	Title of each class	Trading Symbol(s)	Name of each exchange on which registered			
Securities registered pursuant to Section 12(b) of the Act:						
	Pre-commencement communications pursuant to	Rule 13e-4(c) under the Exchange Act (17 CFI	R 240.13e-4(c))			
	Pre-commencement communications pursuant to	Rule 14d-2(b) under the Exchange Act (17 CF)	R 240.14d-2(b))			

Common Stock Par Value \$0.01	FOLD	NASDAQ			

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (17 CFR  $\S$ 230.405) or Rule 12b-2 of the Securities Exchange Act of 1934 (17 CFR  $\S$ 240.12b-2). Emerging growth company  $\square$ 

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.  $\Box$ 

#### **Item 8.01 Other Events**

On May 14, 2020, Amicus Therapeutics, Inc. ("Amicus") released presentation materials it plans to use in meetings with investors and analysts. This presentation reflects, among other updates, Amicus and Nationwide Children's Hospital's ("NCH") agreement to amend the existing license agreement to remove rights to the CLN8 program which will revert to NCH for further development. A copy of this presentation is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

#### **Item 9.01 Financial Statements and Exhibits**

#### (d) Exhibits:

Exhibit No.	Description
<u>99.1</u>	Corporate Presentation
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)

#### Signature Page

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Date: May 14, 2020

AMICUS THERAPEUTICS, INC.

By: /s/ Ellen S. Rosenberg Name: Ellen S. Rosenberg

Title: Chief Legal Officer and Corporate Secretary



# General Corporate & Gene Therapy Overview:

At the Forefront of the Human Genome Medicine Revolution



May 2020

#### Forward-Looking Statements

This presentation contains "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995 relating to preclinical and clinical development of our product candidates, the timing and reporting of results from preclinical studies and clinical trials, the prospects and timing of the potential regulatory approval of our product candidates, commercialization plans, manufacturing and supply plans, financing plans, and the projected revenues and cash position for the Company. The inclusion of forward-looking statements should not be regarded as a representation by us that any of our plans will be achieved. Any or all of the forward-looking statements in this press release may turn out to be wrong and can be affected by inaccurate assumptions we might make or by known or unknown risks and uncertainties. For example, with respect to statements regarding the goals, progress, timing, and outcomes of discussions with regulatory authorities, and in particular the potential goals, progress, timing, and results of preclinical studies and clinical trials, including as they are impacted by COVID-19 related disruption, are based on aurrent information. The potential impact on operations from the COVID-19 pandemic is inherently unknown and cannot be predicted with confidence and may cause actual results and performance to differ materially from the statements in this release, including without limitation, because of the impact on general political and economic conditions, including as a result of efforts by governmental authorities to mitigate COVID-19, such as travel bans, shelter in place orders and third-party business closures and resource allocations, manufacturing and supply chain disruptions and limitations on patient access to commercial or clinical product. In addition to the impact of the COVID-19 pandemic, actual results may differ materially from those set forth in this release due to the risks and uncertainties inherent in our business, including, without limitation: the potent

In addition to financial information prepared in accordance with U.S. GAAP, this presentation also contains adjusted financial measures that we believe provide investors and management with supplemental information relating to operating performance and trends that facilitate comparisons between periods and with respect to projected information. These adjusted financial measures are non-GAAP measures and should be considered in addition to, but not as a substitute for, the information prepared in accordance with U.S. GAAP. We typically exclude certain GAAP items that management does not believe affect our basic operations and that do not meet the GAAP definition of unusual or non-recurring items. Other companies may define these measures in different ways. Full reconciliations of GAAP results to the comparable non-GAAP measures for the reported periods appear in the financial tables section of this presentation. When we provide our expectation for non-GAAP operating expenses on a forward-looking basis, a reconciliation of the differences between the non-GAAP expectation and the corresponding GAAP measure generally is not available without unreasonable effort due to potentially high variability, complexity and low visibility as to the items that would be excluded from the GAAP measure in the relevant future period, such as unusual gains or losses. The variability of the excluded items may have a significant, and potentially unpredictable, impact on our future GAAP results.



# A RARE COMPANY

#### A leading fully-integrated, global rare disease biotechnology company











# EMPLOYEES in 27 Countries

\$338M+ Cash as of 3/31/20





#### GLOBAL COMMERCIAL ORGANIZATION

#### Robust R&D Engine

Nearly 50+ Lysosomal Disorders and More Prevalent Rare Diseases

### Key Takeaways

Recent successes across our science, clinical, regulatory and commercial efforts position us for the future



Galafold Continues
Strong Launch
Performance &
Cornerstone of
Amicus Success



AT-GAA for Pompe Advances Toward Approval as "Crown Jewel" of Amicus Portfolio



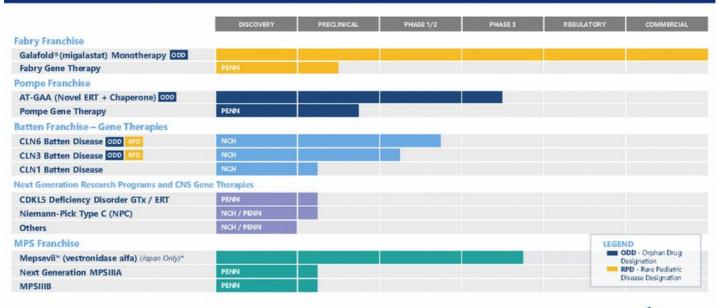
Portfolio of Gene Therapy Programs and Technologies Provides Foundation for Future



Strong Financial Outlook with Current Cash Well into 2H2O22



# A RARE PORTFOLIO



\*Exclusive license from Ultragenyx for Japanese rights to Mepsevil™, investigator-sponsored trial in Japan underway





# Galafold® (migalastat) Global Launch...

...taking a leadership role in the treatment of Fabry disease

"We push ideas as far and as fast as possible"
- Amicus Belief Statement

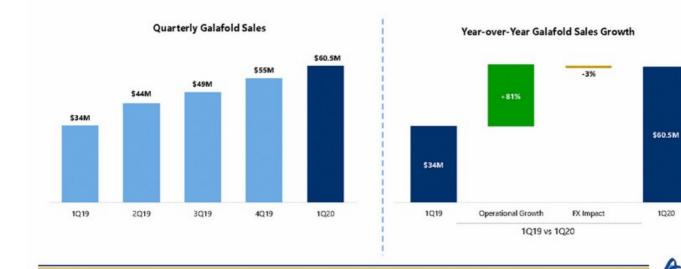
#### Galafold Snapshot (as of March 31, 2020)

Galafold is the cornerstone of Amicus' success. It is an orally delivered small molecule precision medicine with a unique mechanism of action for Fabry patients with <u>amenable</u> variants that replaces the need for intravenously delivered enzyme replacement therapy



# Galafold Quarterly Performance

Quarterly Growth Remains Steady with 1Q20 Revenue of \$60.5M, Growing 78% Year-over-Year

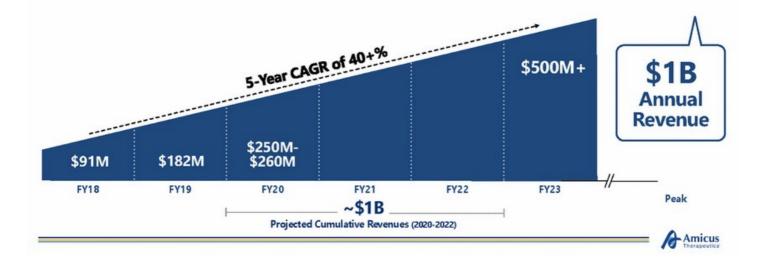




1Q20

# Galafold Growth Trajectory

Galafold is on track to generate \$1B+ in projected cumulative revenues from 2020-2022 and is on an anticipated path to \$500M+ in annual sales in 2023 and \$1B+ annual sales at peak



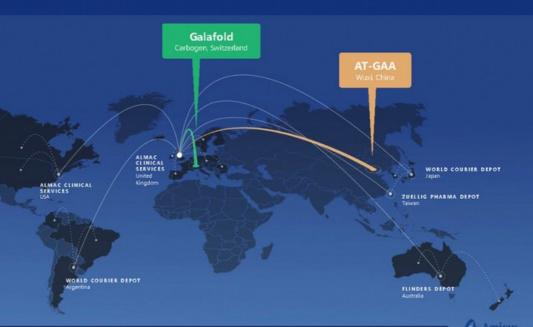
# Global Supply Chain

# Existing Supply Chain Strategy:

- Galafold: Hold multiple years of inventory in API and Drug Product
- AT-GAA: Built inventory ahead of time and move drug product to UK

#### Post COVID-19:

- Galafold: Push inventory into the supply chain as far as possible down to country and pharmacy level
   AT-GAA: Push inventory into supply chain as far as possible and coordinate site by site for delivery





# AT-GAA: Next Potential Standard of Care for Pompe Disease

"We encourage and embrace constant innovation"
- Amicus Belief Statement

#### Pompe Disease Overview

Pompe disease is a severe and fatal muscular dystrophy and one of the most prevalent lysosomal disorders with very high unmet medical need



5,000 – 10,000+ patients diagnosed WW<sup>1</sup>; newborn screening suggests underdiagnosis

Age of onset ranges from infancy to adulthood

Patients on current standard of care decline after ~2 years

Respiratory and cardiac failure are leading causes of morbidity and mortality

Deficiency of GAA leading to glycogen accumulation and cellular dysfunction

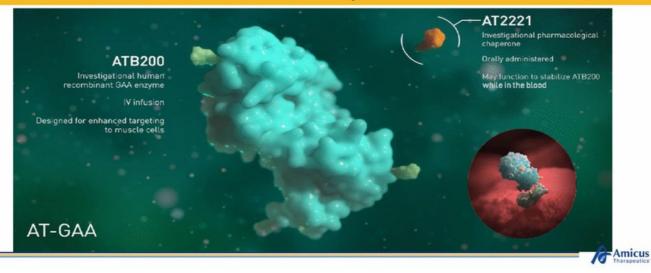
Symptoms include muscle weakness, respiratory failure, and cardiomyopathy

~\$1B+ global Pompe ERT sales<sup>2</sup>



## AT-GAA: Foundation in Protein Engineering

Amicus scientists specializing in protein engineering and glycobiology created a uniquely glycosylated and highly phosphorylated ERT (AT-GAA) that significantly enhances targeting to key muscles affected in patients



#### U.S. FDA Granted BTD to AT-GAA in Late-Onset Pompe Disease (LOPD)

AT-GAA is the first ever second-generation product for <u>any</u> lysosomal disorder to earn FDA Breakthrough Therapy Designation (BTD)

Plans to initiate a rolling BLA submission for AT-GAA in LOPD in 2020



#### AT-GAA BTD Based on Ph 1/2 Clinical Efficacy

- · Improvements in 6-minute walk distance
- · Comparison to natural history of treated patients



#### **BTD Features**

- Intensive guidance on an efficient drug development program
- Organizational commitment involving senior agency staff
- All Fast Track program features including rolling submission



#### **BTD Criteria**

- Intended to treat a serious or life-threatening disease or condition
- Preliminary clinical evidence indicates drug may demonstrate substantial improvement over existing therapies on one or more clinically significant endpoints



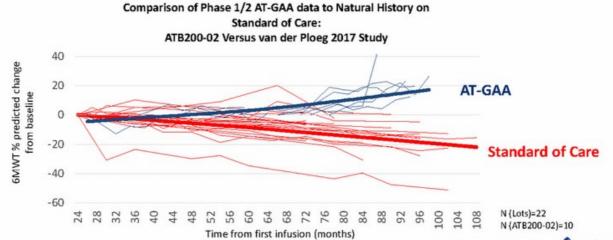
#### Pompe Patient Experience in Phase 1/2 Clinical Study (ATB200-02)

Phase 1/2 results showed strong and durable effects in patients out to two years, leading to dramatic improvements in muscle strength and function, as well as significant improvements in key biomarkers of disease



# 6MWT Natural History: Phase 1/2 AT-GAA Data vs. Medical Literature van der Ploeg 2017

Improvement in percentage predicted 6MWD seen in all patients who switched from alglucosidase alfa to AT-GAA

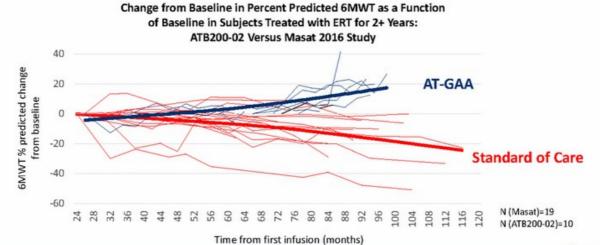


1. Data for AT-GAA represent time from first influsion of SOC ERT and change from baseline at the time of switching from SoC to AT-GAA
2. Source: ATB200-02 (ABT; Ans T. van der Ploeget al., Poster presented at the 13th Annual WORLD Symposium\* 2017, February 13–17, 2017, San Diego, CA, USA



# 6MWT Natural History: Phase 1/2 AT-GAA Data vs. Medical Literature

#### Second natural history data set confirms the large treatment effect of AT-GAA



Source: ATB200-02 IA#7; Masat et al 2016; Nature Scientific Reports | 6:36182



#### PROPEL (ATB200-03) Study Design





Phase 3 exceeded enrollment with data expected in 1H2021. The study is highly powered for success and supports a broad label, with FDA and EMA agreement on study design and primary endpoint (6MWT)

Long-Term

Extension (Open-Label)

52-Week Primary Treatment Period (Double-Blind)

2:1 Randomization

**Participants** with Late-Onset **Pompe Disease** 

n=123

59 WW Clinical Sites

AT-GAA Bi-Weekly

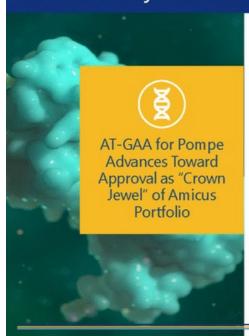
Standard of Care

Primary Endpoint: 6-Minute Walk Test at Week 52; Multiple Secondary Endpoints

- PROPEL pivotal study over-enrolled with data expected in 1H2021
- Study includes ERT-Switch and ERT-Naïve Patients
- FDA and EMA agreed upon primary endpoint of 6MWD, an integrated measure of disease progression that evaluates both cardiopulmonary and musculoskeletal systems



#### AT-GAA: Key Takeaways



- PROPEL study timelines are on track with data expected 1H2021
  - To date, 97% of the 2,250 planned infusions for the ongoing PROPEL study have been completed on schedule
- Breakthrough Therapy Designation and the Promising Innovative Medicine designation highlight unmet need in Pompe disease today
- U.S. FDA grants rolling BLA submission and company plans to initiate in 2H2020
- Expanded Access Program for infantile-onset Pompe patients underway
- Process performance qualification (PPQ) runs with our partners at WuXi have been successfully completed for the drug substance
- Peak revenue potential of \$1B-\$2B, with exclusivity well into 2030s





# **Next Generation Gene Therapy Platform**

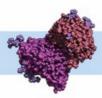
"We have a duty to obsolete our own technologies"
- Amicus Belief Statement

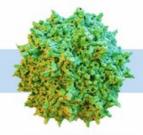
#### A Natural Evolution: Chaperones to Optimized ERT to Gene Therapy

Amicus' expansion into gene therapy is built upon years of experience in developing genetic medicines designed to deliver deficient proteins to target cells and organelles

Pharmacological Chaperones Next-Generation ERTs Gene Therapies







Stabilize "naturally produced" enzymes Stabilize and target "externally produced" enzymes Stabilize and target "internally produced" enzymes



#### Validated Gene Therapy Platform for CNS

The Amicus Batten programs leverage AAV technologies and platforms utilized in the neuromuscular space at Nationwide Children's Hospital/Sanford and have robust preclinical and now clinical proof of concept

#### Clinically validated AAV gene therapy approach at NCH and Sanford

- Nationwide Children's Hospital Center for Gene Therapy (NCH)
- Intrathecal delivery with robust expression throughout CNS

#### Preclinical safety and efficacy studies replicated across multiple diseases at NCH

- SMA, CLN6, CLN3, CLN8

#### Amicus applying platform to multiple types of Batten disease and other Neurologic LSDs

- Two clinical programs in CLN6 and CLN3 Batten disease show initial safety in 15 patients; promising efficacy results in first 8 patients in CLN6
- Active preclinical program in CLN1 Batten disease with other neurologic LSDs in earlier preclinical development









Foust, Kaspar et al, 2009



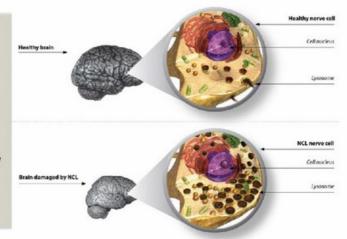
Source: Likhite 2018, 16\*International Conference on Neuronal Ceroid Lipofuscinoses, IND-enabling Preclinical Studies for Batten Disease Gene Therapy

#### **Batten Disease Overview**

#### Batten disease is a devastating early childhood disease that is 100% fatal in children

#### **Disease Overview**

- A group of disorders known as neuronal ceroid lipofuscinoses (NCLs), collectively referred to as Batten disease
- Mutation in one of 13 different CLN genes leads to lysosomal dysfunction
- Signs and symptoms include loss of speech, ambulation, vision and cognition

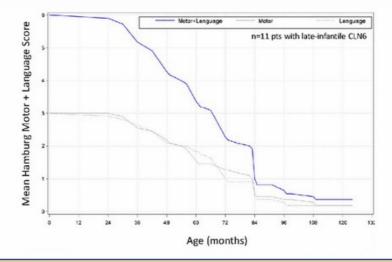




ource: Batten Disease Fact Sheet, NINDS, Publication date June 2018

# **CLN6 Natural History**

CLN6 natural history shows a progressive decline of approximately one point per year in the Hamburg score from age two onwards with similar decline in motor and language



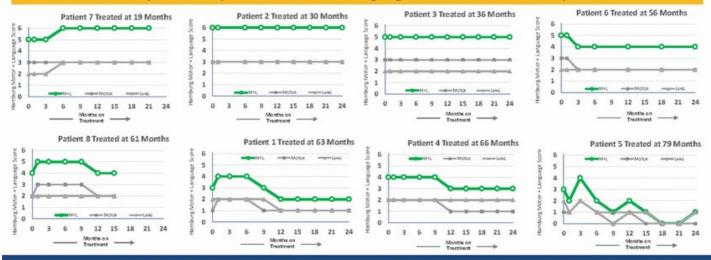
Source: Data on file: Ongoing Natural History study conducted by Nationwide Children's Hospital and Dr. Emily de los Reyes



Source: Data on file

#### Clinical Efficacy: Combined and Individual Hamburg Scores (n=8)

CLN6 gene therapy halts or substantially slows progression of disease with a positive impact on motor and language function in 7 out of 8 patients



Separate Motor and Language Scores are Consistent with the Respective Combined Score.

#### CLN6 Clinical Efficacy Data: Sibling Comparisons (Natural History)

Treated patients demonstrated stabilization relative to untreated siblings in the natural history data set who experienced substantial declines in motor and language ability

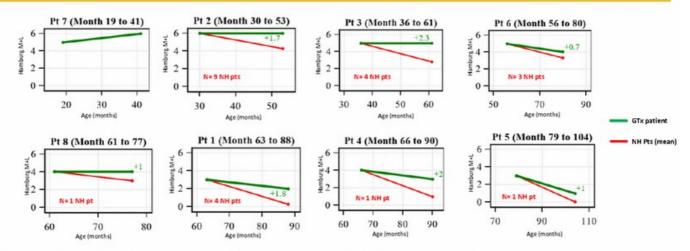
#### Treated AAV-CLN6 Patients vs Natural History Sibling with CLN6 (Hamburg Score: Motor + Language over time)





#### CLN6 Clinical Efficacy Data: Natural History Matched Comparisons

New analysis of treated patients demonstrate improvement compared to natural history patients matched for age and baseline Hamburg M+L score\*

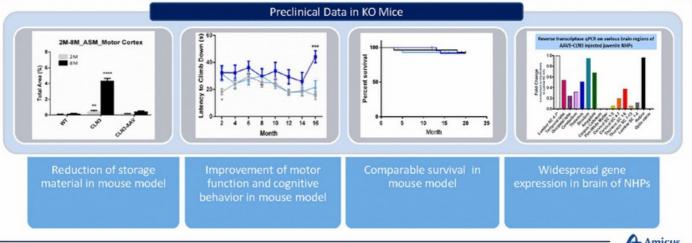


\*Matched for age and exact baseline Hamburg score. No current match (for age and exact M+L score at baseline) for youngest patient (pt. 7)



## CLN3 Batten Disease: Preclinical and Clinical Summary

Amicus' second clinical stage gene therapy in CLN3 Batten disease has successfully completed dosing in three children in Cohort 1 (low dose) with dosing of additional Cohort 2 (high dose) patients in 2H 2019





#### Combines Amicus and Penn Expertise Across Lysosomal and Rare Diseases

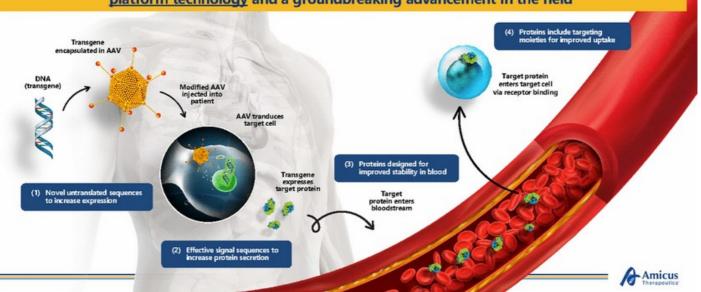
#### An R&D platform with rights to 50+ diseases





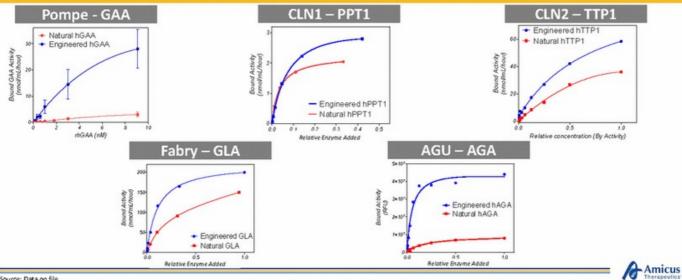
### Amicus Approach: Engineered Transgenes for Optimal Cross-Correction

Amicus' unique technologies for protein engineering in Gene Therapy represent a new major platform technology and a groundbreaking advancement in the field



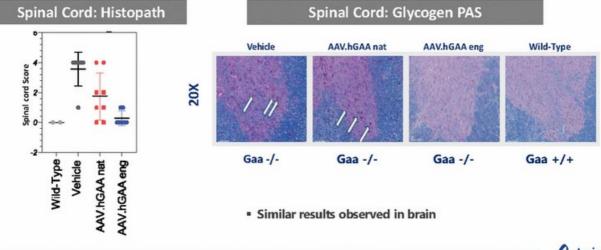
#### Protein Engineering Platform Has Potential To Be Broadly Applicable to Gene Therapies For Majority of LSDs

Amicus has repeatedly validated the protein engineering platform approach in multiple indications to design transgenes with improved cellular uptake



## Initial Preclinical Pompe Gene Therapy Results: CNS

Only the AAV with the Amicus engineered hGAA transgene was able to significantly impact cell pathology and glycogen reduction in the CNS

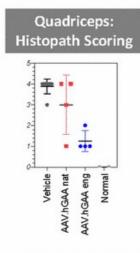


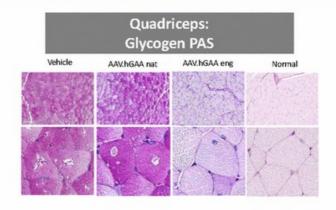
Source: Molecular Therapy Vol 27 No 4S1 April 2019, Abstract 518



#### New Pompe Gene Therapy Low Dose Preclinical Data

Results from the low dose (2.5e12 gc/kg) study of engineered AAV-hGAA also showed improved cell pathology and glycogen reduction of the engineered construct versus natural GAA





Similar design as high dose preclinical study



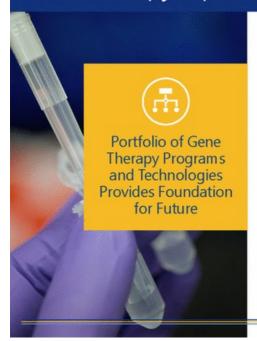
#### GTx Manufacturing Strategy for Initial Penn Programs at Catalent

Catalent to leverage Penn's AAV manufacturing expertise and Amicus experience in complex biologics manufacturing and quality control as a competitive advantage.





#### Gene Therapy: Updates & Key Takeaways



- CLN6 Phase 1/2 interim data show profound impact with potential to become first ever approved gene therapy for fatal brain disease in children
- Additional patients to be dosed in Phase 1/2 study of CLN3 in 2021 with commercial supply
- Orphan drug designations granted in U.S. and EU for intrathecal AAV gene therapies for CLN6 and CLN3 Batten disease; CLN3 granted Fast Track designation by U.S. FDA
- Pompe gene therapy clinical candidate declared to move into IND-enabling studies
- Penn Collaboration is R&D engine, with rights to 50+ diseases
- 7 preclinical gene therapies in development





# Financial & Operational Strategy

"We are business led and science driven"
- Amicus Belief Statement

## Financial Outlook: Key Takeaways



- Cash runway now well into 2H2022
  - Achieved through continued careful expense management, prioritization of very early stage research programs and more measured capital expenditures
- Non-GAAP quarterly operating expense expected to decline throughout 2020
- Company fully funded through major milestones in portfolio and continued global growth
- Cumulative Galafold projected revenue of \$1B+ in 2020-2022 offsets significant majority of company spend/investments
- Only modest additional capital required in the outer years to extend runway into profitability with multiple non-equity sources available as/when needed



# Financial Summary & Guidance

#### Strong Balance Sheet with \$338M+ Cash - Cash Runway Well into 2H2022

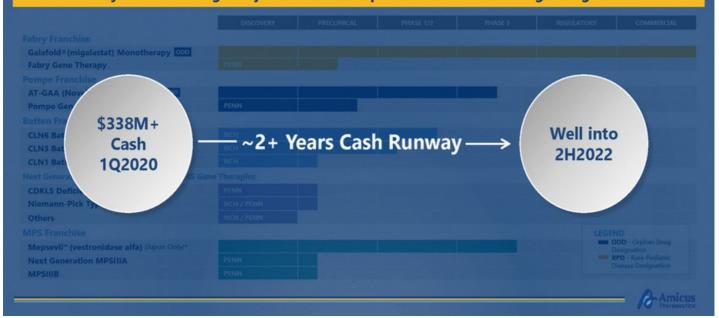
Cash	~\$338M+ Well Into 2H2022		
Casri			
Cash Runway¹			
Debt <sup>1,2</sup>	\$152.8M		
CAPITALIZATION			
Shares Outstanding (as of 3/31/2020)	257,449,995		
FINANCIAL GUIDANCE	A THE RESIDENCE OF THE PROPERTY OF THE PROPERT		
FY20 Galafold Revenue Guidance	\$250M-\$260M		
FY20 Non-GAAP Operating Expense Guidance	\$410M-\$420M		





## Cash Runway Now to Well into 2H2022 (~2+ years)

#### Fully funded through major milestones in portfolio and continued global growth



#### At Major Inflection Point: Path to Profitability

Clear strategy to build our business, advance our portfolio and achieve profitability with the following key priorities:

- Grow Galafold
- Advance AT-GAA to pivotal data, global approvals and launch
- · Progress CLN6, CLN3 and Pompe gene therapies into and through the clinic
- Generate 1-2 gene therapy INDs every year starting in 2021
- Discover and develop next generation protein engineering and gene therapy technologies with Penn

Only modest additional capital required in outer years to extend runway into profitability with multiple non-equity sources available as/when needed



# Our Passion for Making a Difference Unites Us

Amicus is now at a major inflection point and positioned to create significant shareholder value ahead while advancing our mission for patients.



# Appendix

Appendix 43

# Non-GAAP Reconciliation

# Amicus Therapeutics, Inc. Reconciliation of Non-GAAP Financial Measures (in thousands)

Three Months Ended March 31,

	2020		2019	
Total operating expenses - as reported GAAP	- \$	132,030	S	111,270
Research and development:				
Share-based compensation		5,253		5,032
Selling, general and administrative:				
Share-based compensation		7,343		7,712
Changes in fair value of contingent consideration payable		931		1,383
Depreciation and amortization		1,764		991
Total operating expense adjustments to reported GAAP		15,291		15,118
Total operating expenses - as adjusted	S	116,739	\$	96,152

