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): October 10, 2019

AMICUS THERAPEUTICS, INC.

(Exact Name of Registrant as Specified in Its Charter)

Delaware

(State or Other Jurisdiction of Incorporation)

Delaware 001-33497 **71-0869350**(State or Other Jurisdiction (Commission (I.R.S. Employer of Incorporation) File Number) 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

regionality receptions running race over					
	(Forme	er Name or Former Address, if Changed Si	ince Last Report.)		
Check provisi	11 1	ng is intended to simultaneously satisfy th	e filing obligation of the registrant under any of the following		
	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)				
	Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))				
	Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))				
Securit	ties registered pursuant to Section 12(b) of the	Act:			
	Title of each class	Trading Symbol(s)	Name of each exchange on which registered		
	Common Stock Par Value \$0.01	FOLD	NASDAQ		
Rule 1	2b-2 of the Securities Exchange Act of 1934 (17 CFR §240.12b-2). Emerging growth conark if the registrant has elected not to use	the extended transition period for complying with any new or		

Item 8.01. Other Events

On October 10, 2019, Amicus Therapeutics, Inc. (the "Company") issued a press release announcing preliminary unaudited revenue for the third quarter of 2019 in advance of its Analyst Day, to be held October 10, 2019 in New York City. A copy of this press release is attached hereto as Exhibit 99.1. In addition, the Company will be using the presentation attached as Exhibit 99.2 over the course of its Analyst Day. Both exhibits are incorporated herein by reference.

Item 9.01 Financial Statements and Exhibits

Exhibits:

Exhibit No.	Description	
<u>99.1</u>	October 10, 2019 Press Release	
<u>99.2</u>	<u>Presentation Materials</u>	
104	The cover page from this Current Report on Form 8-K, formatted in Inline XBRL	

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.

AMICUS THERAPEUTICS, INC.

Date: October 10, 2019 By: /s/ Ellen S. Rosenberg

Name: Ellen S. Rosenberg

Title: Chief Legal Officer and Corporate Secretary



Amicus Therapeutics Announces Preliminary Third Quarter 2019 Revenue and Financial Outlook at 2019 Analyst Day

Analyst Day 2019 to Highlight Financial Outlook and Robust Portfolio of Novel Therapies for Rare Metabolic Diseases

3Q19 Galafold[®] (migalastat) Preliminary Unaudited Revenue of ~\$48M+ and 1,000+ Patients on Therapy Reflects Continued Strong Global Uptake

Company Raises Lower End of FY19 Global Galafold Revenue Guidance to \$170M-\$180M on Significant Momentum Across All Major Geographies

Cash Runway Extended from 2021 to Well Into 1H 2022

Analyst Day 2019 Webcast to begin at 8:30a.m. ET

CRANBURY, NJ, October 10, 2019 – <u>Amicus Therapeutics</u> (Nasdaq: FOLD) today announced preliminary unaudited revenue for the third quarter of 2019 in advance of its Analyst Day, to be held today, October 10, 2019, in New York City at 8:30 a.m. Today's Analyst Day will highlight the financial strength and outlook of the Company in addition to recent progress and updates related to its early- and late-stage rare disease portfolio, including a late-stage biologic AT-GAA with breakthrough therapy designation (BTD) for Pompe disease, a clinical-stage intrathecal AAV gene therapy with positive interim results in CLN6 Batten disease, and a robust gene therapy pipeline.

The live event will be audio webcasted simultaneously and accessible via the Investors section of the Amicus Therapeutics corporate website at http://ir.amicusrx.com/events-and-presentations, and will be archived for 90 days.

Preliminary Third Quarter 2019 Revenue

Amicus expects to record approximately \$48 million (preliminary and unaudited) in Galafold revenue for the third quarter 2019, a year-over-year increase of over 133% from total revenue of \$20.6 million in the third quarter of 2018, and a quarter over-quarter increase of over 8.8% from total revenue of \$44.1 million in the second quarter of 2019. The Company also achieved its goal of 1,000 patients treated with Galafold during the third quarter. Global compliance and adherence rates continue to exceed 90%.

Revenue Guidance and Financial Outlook

Following the success in the first three quarters of the year, in addition to the strength in global Galafold launch metrics across all major geographies, Amicus is now raising the lower end of the full-year 2019 Galafold revenue guidance from \$160 to \$180 million to \$170 to \$180 million. Following a diligent review of current and outer year operating and capital expense projections, and robust outlook for Galafold revenue, Amicus now expects to end 2019 with more than \$420 million in cash on hand and has extended the cash runway projection from 2021 to well into the first half of 2022.

John F. Crowley, Chairman and Chief Executive Officer of Amicus Therapeutics, Inc. stated, "We are very pleased to host our Amicus Analyst Day this morning on the heels of such significant momentum across our entire portfolio. With a global commercial medicine, our late-stage Pompe biologic, and one of the industry's largest gene therapy pipelines, we are also fully funded to achieve our major upcoming milestones as we continue to build a leading global biotechnology company. With the strength of our third quarter financials and overall financial outlook, we are well capitalized and optimally positioned to achieve growing revenues that significantly contribute to our pipeline investments and advance us toward profitability."

Amicus Analyst Day 2019 Key Takeaways

- 1. Galafold continues strong launch performance and cornerstone of Amicus success with 1,000+ net global Galafold patients treated and clear path to projected \$500M+ in 2023 and \$1B+ peak revenue
- 2. Financial outlook strengthened with current cash now revised to well into 1H 2022 through major portfolio milestones and global growth
- 3. AT-GAA for Pompe advances toward approval as "crown jewel" of Amicus portfolio with peak revenue potential of \$1B-\$2B, with exclusivity well into 2030s
- 4. Portfolio of gene therapy programs and technologies provides foundation for future, including two clinical-stage programs (CLN6 and CLN3), a Pompe gene therapy clinical candidate declared to move into IND-enabling studies, and eight additional preclinical gene therapies



Amicus Analyst Day Agenda:

Today's Amicus Analyst Day agenda is expected to run from 8:30am ET to Noon ET to highlight the Company's overall vision and strategy as well as recent progress and new updates across the entire portfolio.

- · Vision, Mission and Strategy
- · Financial and Operational Strategy
- · Galafold: Roadmap to \$1B in Sales and Patient Perspectives
- · AT-GAA: Potential to Shift the Treatment Paradigm in Pompe Disease
- · Next Generational Gene Therapy Platform & Research Program
- · Batten Disease Gene Therapy Portfolio and Patient Perspectives

The Amicus team will be joined by several external guests including James M. Wilson, M.D., Ph.D., Professor of Medicine and Pediatrics, Perelman School of Medicine; Sabina Kineen and Alex Dencker, two individuals living with Fabry disease; and David and Karen Kahn, parents and caregivers to two daughters, Amelia and Makenzie, living with CLN3 Batten disease.

About Amicus Therapeutics

Amicus Therapeutics (Nasdaq: FOLD) is a global, patient-dedicated biotechnology company focused on discovering, developing and delivering novel high-quality medicines for people living with rare metabolic diseases. With extraordinary patient focus, Amicus Therapeutics is committed to advancing and expanding a robust pipeline of cutting-edge, first- or best-in-class medicines for rare metabolic diseases. For more information please visit the company's website at www.amicusrx.com, and follow on www.amicusrx.com, and which we have a supplementan

Forward Looking Statement

This press release 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, business development plans and the projected revenues, sales, expenses 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 or projections 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, 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 potential that results of clinical or preclinical studies indicate that the product candidates are unsafe or ineffective; the potential that it may be difficult to enroll patients in our clinical trials; the potential that regulatory authorities, including the FDA, EMA, and PMDA, may not grant or may delay approval for our product candidates; the potential that we may not be successful in commercializing Galafold in Europe, Japan, the US and other geographies or our other product candidates if and when approved; the potential that preclinical and clinical studies could be delayed because we identify serious side effects or other safety issues; the potential that we may not be able to manufacture or supply sufficient clinical or commercial products; and the potential that we will need additional funding to complete all of our studies and manufacturing. Further, the results of earlier preclinical studies and/or clinical trials may not be predictive of future results. With respect to statements regarding projections of the Company's revenue, sales, expenses and cash position, actual results may differ based on market factors and the Company's ability to execute its operational and budget plans and strategies. In addition, all forward-looking statements are subject to other risks detailed in our Annual Report on Form 10-K for the year ended December 31, 2018. You are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date hereof. All forward-looking statements are qualified in their entirety by this cautionary statement, and we undertake no obligation to revise or update this press release to reflect events or circumstances after the date hereof.



Non-GAAP Financial Measures

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. 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.

CONTACTS:

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Media:

Christopher Byrne
Executive Director, Corporate Communications
cbyrne@amicusrx.com
609-662-2798

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Amicus Therapeutics Analyst Day 2019



October 10, 2019

Forward-Looking Statements

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Agenda

8:30 a.m. – 8:35 a.m.	WELCOME & INTRODUCTIONS	Sara Pellegrino, Vice President, Investor Relations
8:35 a.m. – 8:45 a.m.	VISION, MISSION AND STRATEGY	John F. Crowley, Chairman and Chief Executive Officer
8:45 a.m. – 9:00 a.m.	FINANCIAL AND OPERATIONAL STRATEGY	Daphne Quimi, Chief Financial Officer
8.45 a.m. – 9.00 a.m.		Bradley Campbell, President and Chief Operating Officer
	GALAFOLD: ROADMAP TO \$1B IN SALES AND PATIENT PERSPECTIVES	Bradley Campbell, President and Chief Operating Officer
9:00 a.m. – 9:30 a.m.		Simon Jordan, SVP, Head of International
5.00 a.m. – 5.50 a.m.		Milke Keavany, SVP, Head of US
		Jayne Gershkowitz, Chief Patient Advocate with Alex Dencker and Sabina Kineen
9:30 a.m. – 9:50 a.m.	AT-GAA – POTENTIAL TO SHIFT THE TREATMENT PARADIGM IN POMPE DISEASE	Jay Barth, M.D., Chief Medical Officer
9:30 a.m. – 9:30 a.m.		John F. Crowley, Chairman and Chief Executive Officer
9:50 a.m 10:00 a.m.	Q&A SESSION	
10:00 a.m 10:10 a.m.	BREAK	
	NEXT GENERATION GENE THERAPY PLATFORM & RESEARCH PROGRAM	Hung Do, Ph.D., Chief Science Officer
10:10 a.m. – 10:50 a.m.		Jeff Castelli, Ph.D., Chief Portfolio Officer and Head of Gene Therapy
20120 011111 20100 011111		Jim Wilson, M.D., Ph.D., Rose H Weiss Professor and Director, Orphan Disease Center, Perelman School of Medicine at the University of Pennsylvania
10:50 a.m 11:00 a.m.	Q&A SESSION	
	BATTEN DISEASE GENE THERAPY PORTFOLIO AND PATIENT PERSPECTIVES	Jill Weimer, Ph.D., SVP of Discovery Research & Gene Therapy Science
11:00 a.m. – 11:30 a.m.		Jayne Gershkowitz, Chief Patient Advocate with the Kahn Family
		Jeff Castelli, Ph.D., Chief Portfolio Officer and Head of Gene Therapy
11:30 a.m. – 11:50 a.m.	CLOSING REMARKS	John F. Crowley, Chairman and Chief Executive Officer
11:50 a.m. – 12:00 p.m.	Q&A SESSION	Ingradultes



Vision, Mission & Strategy

John F. Crowley

Chairman and Chief Executive Officer

2019 Analyst Day | October 10, 2019 | New York, NY

A RARE COMPANY

A leading fully-integrated, global rare disease biotechnology company

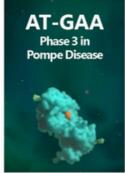






~\$575M Cash as of 6/30/19







GLOBAL COMMERCIAL ORGANIZATION World Class
BIOLOGICS
Capabilities





Robust R&D Engine

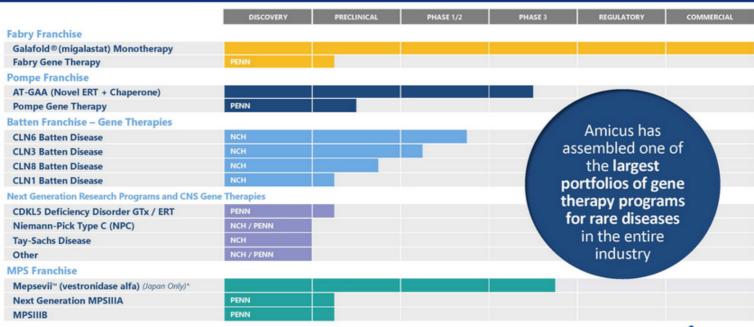
Nearly 50+ Lysosomal Disorders and More Prevalent Rare Diseases

A RARE OPPORTUNITY

A broad and patient focused portfolio to drive value creation



A RARE PORTFOLIO



^{*}Exclusive license from Ultragenyx for Japanese rights to Mepsevii™, investigator-sponsored trial in Japan underway



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



What's New at Amicus Analyst Day 2019

	☐ Galafold Q3 Preliminary Revenue and Upwardly Revised 2019 Guidance
ROSE.	☐ Galafold Patient Number Update
	☐ Updated Cash Runway Guidance and Path to Profitability
	☐ Pompe Natural History Published Literature Comparison to AT-GAA
	☐ Propel Study Enrollment Update
	☐ Data and Path Forward For Amicus/Penn Pompe Gene Therapy
	☐ Initial Preclinical Fabry Gene Therapy Results
	☐ Additional Data from CLN6 Batten study, including Matched Natural History

Key Takeaways from Amicus Analyst Day 2019

Today's Analyst Day highlights our recent success and outlook across our science, clinical, regulatory and commercial efforts



Galafold Continues
Strong Launch
Performance &
Cornerstone of
Amicus Success



Amicus Financial
Outlook Strengthened
with Current Cash
Revised Now to
1H2022



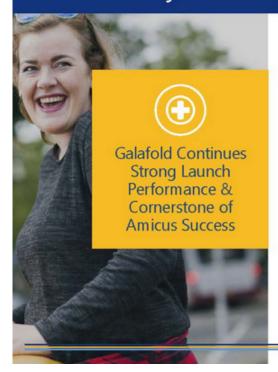
AT-GAA for Pompe Advances Toward Approval as "Crown Jewel" of Amicus Portfolio



Portfolio of Gene Therapy Programs and Technologies Provides Foundation for Future



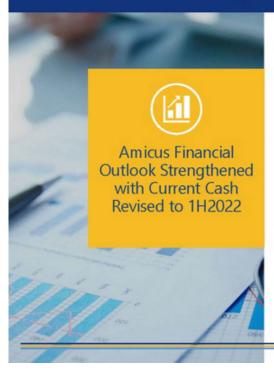
Galafold: Key Takeaways from Amicus Analyst Day 2019



- Preliminary unaudited 3Q19 Galafold revenue of \$48.0M+ exceeds expectations
- Achieved 1,000+ net global Galafold patients by end of Q3
- FY19 Galafold guidance upwardly revised to \$170M-\$180M range
- On clear path to \$500M+ in 2023 revenue and \$1B+ peak



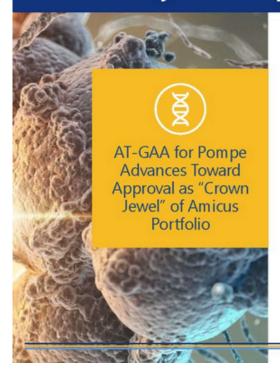
Financial Outlook: Key Takeaways from Amicus Analyst Day 2019



- Company now fully funded through major milestones in portfolio and continued global growth
- Cumulative Galafold projected revenues of \$1B+ in 2020-2022 offset significant majority of company spend/investments
- Achieved through OpEx savings, CapEx phasing, program prioritization and increased Galafold revenue projections
- Under current operating plan, 2019 is peak year for non-GAAP operating expense on path to profitability
- No material business development planned or needed in next several years
- Only modest additional capital required to extend runway into profitability with multiple non-equity sources available as/when needed



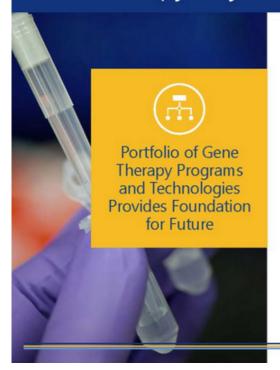
AT-GAA: Key Takeaways from Amicus Analyst Day 2019



- PROPEL pivotal study 80%+ enrolled and expected now to over-enroll (~120 Patients) by YE 2019
- · Pediatric study underway
- Manufacturing PPQ runs at WuXi biologics on track to start this month
- New phase 2 data and natural history published literature comparison continue to support potential to become Pompe standard of care
- Peak revenue potential of \$1B-\$2B, with exclusivity well into 2030s



Gene Therapy: Key Takeaways from Amicus Analyst Day 2019



- CLN6 data shows profound impact as compared to natural history now matched for age and baseline. Potential to become first ever approved gene therapy for fatal brain disease in children
- CLN3 additional patients to be dosed and AAV intrathecal platform increasingly gives confidence in CLN3 program (largest cause of childhood neurodegeneration, 5,000+ children)
- Penn Collaboration is R&D engine, with rights to 50+ diseases
- 8 preclinical gene therapies in development and one clinical candidate now generated (Pompe)





Financial & Operational Strategy

Daphne Quimi, Chief Financial Officer
Bradley Campbell, President and Chief Operating Officer

2019 Analyst Day | October 10, 2019 | New York, NY

A RARE COMPANY

Our strategy continues to be "Go it Alone" because we believe it is the best way to deliver our medicines to patients and maximize long term shareholder value







~\$575M Cash as of 6/30/19







GLOBAL COMMERCIAL ORGANIZATION World Class
BIOLOGICS
Capabilities





Robust R&D Engine

Nearly 50+ Lysosomal Disorders and More Prevalent Rare Diseases

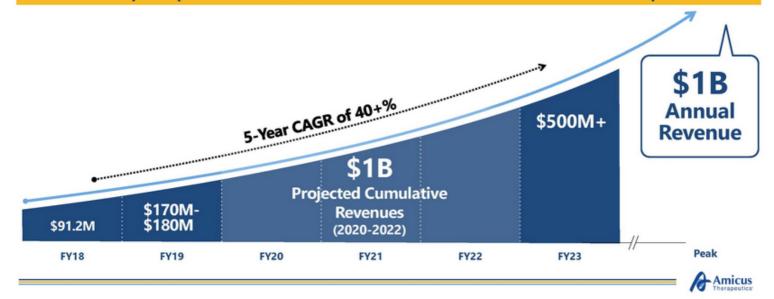
Galafold Success and FY19 Galafold Revenue Guidance

Strong Q3 performance of ~\$48M+ (preliminary/unaudited) gives confidence in upwardly revised guidance of \$170-\$180M. We expect to fall in the midpoint of this revised guidance, inclusive of FX



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



Building the Foundation: 2016-2018

Amicus has invested substantially over the past several years to build world class global commercial capabilities and to develop/advance AT-GAA for Pompe

SG&A: Global Commercialization

- ☑ Established 200+ person team
- Strong access and reimbursement expertise
- ☑ Presence in 27 countries, 5 continents
- ☑ Cover most major global metabolic centers
- Experienced team to support entire Amicus portfolio

R&D: Develop/Advance AT-GAA

- ☑ Conducted multicenter global Phase 1/2 studies
- ☑ Largest pivotal study ever in lysosomal disorders (PROPEL)
- Advance manufacturing to commercial scale and quality
- ☑ Begin early commercial inventory build



Extension of Cash Runway to Well into 1H2022

Completion of strategic business review and strategy has driven efficiencies and cost savings while advancing all key programs forward





Non-GAAP Operating Expense Guidance

With these major investments in SG&A and R&D poised to yield results, 2019 is peak year for non-GAAP operating expense on path to profitability

- FY19 anticipated non-GAAP operating expense of \$410M-\$420M
- Strong operating support organization in place to maximize value of future program advancements and products
- Expected non-GAAP operating expense to remain relatively flat in 2020-2022
- Minimal further investment in global commercial infrastructure and team needed to launch AT-GAA

Non-GAAP operating expense excludes share-based compensation expense, changes in fair value of contingent consideration, and depreciation



Cash Runway Now to Well into 1H2022 (2.5+ years)

Fully funded through major milestones in portfolio and continued global growth Fabry Franchise Galafold® (migalastat) Monotherapy Fabry Gene Therapy Pompe Franchise AT GAA (Novel 1917 Pompe Gene Batten Fr CLNB B CLNB B CLNB B CLNB B CLNB B CLNB B CLNB Cash YE2019 And CNS Gene Theraples FENN Well into 1H2022 Well into 1H2022 Well into 1H2022

At Major Inflection Point: Path to Profitability

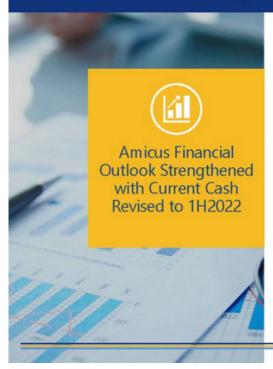
Clear strategy to build our business, advance our portfolio, and achieve profitability with the following key priorities

- Grow Galafold
- · AT-GAA to pivotal data, global approvals and launch
- CLN6, CLN3 and Pompe gene therapies into and through the clinic
- 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



Financial Outlook: Key Takeaways from Amicus Analyst Day 2019



- Company now 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
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Galafold® (migalastat) **Global Launch...**

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

Bradley Campbell, President and Chief Operating Officer
Simon Jordan, Senior Vice President and Head of International
Mike Keavany, Senior Vice President and Head of US

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

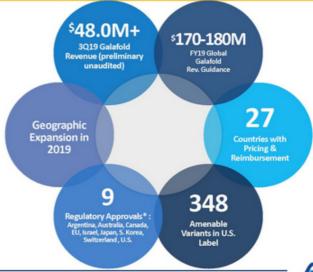
Galafold Snapshot (as of September 30, 2019)

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.

One of the Most Successful Rare Disease Launches



addicids indicated for adults with a confirmed diagnosis of Paloy Disease and an innessable musbour/variant. The most common adverse reactions reported with diadrifici()(DM) were headable, estudiers by the confirmed for the confirmed for adults of the confirmed for adults of the confirmed for the confirmed for adults of the confirmed fo



Amicus

Global Commercial Team

World class global commercial leadership team to drive Galafold's success

- countries with offices, including US, EU5, Japan
- 20 countries with direct presence (Amicus personnel)
- 27 markets with reimbursement

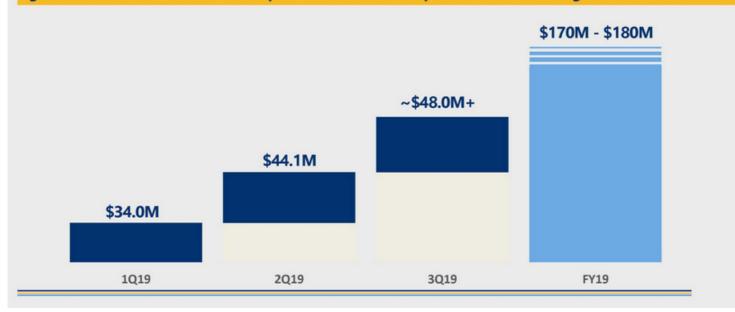


Galafold Performance



Galafold Success and FY19 Galafold Revenue Guidance

Strong Q3 performance of ~\$48M+ (preliminary/unaudited) gives confidence in upwardly revised guidance of \$170-\$180M. We expect to fall in the midpoint of this revised guidance, inclusive of FX



Galafold Global Launch Momentum (as of September 30, 2019)

Global commercial metrics continue to be very strong with >90% compliance and adherence, 24% global market share of treated amenable patients and continued broad market access.

3Q19 Strength Continues to Reflects Positive Momentum Across All Key Global Commercial Metrics and 1,000+ Treated Patients

- Global: 24%+ estimated global market share of treated amenable patients (as of 6/30/19)
- U.S.: Steady growth in adoption from 100+ prescribers and broad reimbursement coverage
- International: Growing contribution from previously untreated patients
- Japan: On track to deliver full year objectives
- Demographics: Global mix of switch (66%) and previously untreated patients (34%)





Integrity Leadership

A culture of driving performance with the highest business integrity







US Launch Update (as of September 30, 2019)

Galafold U.S. launch continues to outperform on new patient starts, broad prescriber base and strong metrics

Patient Route to Galafold:

Decision to initiate Galafold

MD Completes Patient Referral Form (PRF)

Fax/Email to Amicus Assist

Amicus Case Manager Patient Intake

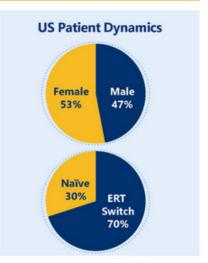
Preliminary Benefits Investigation (BI) for in-network specialty pharmacy (SP) Oversee SP process Track PA requirements/timing

Patient on Therapy

SP obtains prior authorization (PA) SP ships directly to patient Coordinated with Case Manager 100+ Unique Prescribers

43 Days
Average Days to 1st Shipment
(24 Days in the last 6 months)

94% Adherence Rate





U.S. Momentum in First Year of Launch

Reaching the Fabry community through patient education initiatives

- Patient meetings across the US with one of 4 patient ambassadors
 - YTD: 9 meetings with 5 additional planned
 - 150 patients/family in attendance
 - Positive interactions and great interest
- Introduction of new patient education materials & digital campaign
- Formal adherence campaign began in Q3



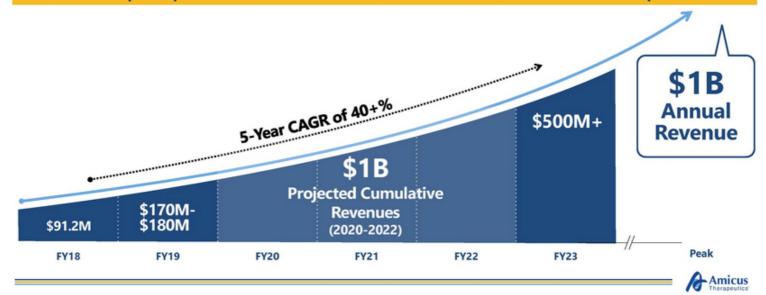






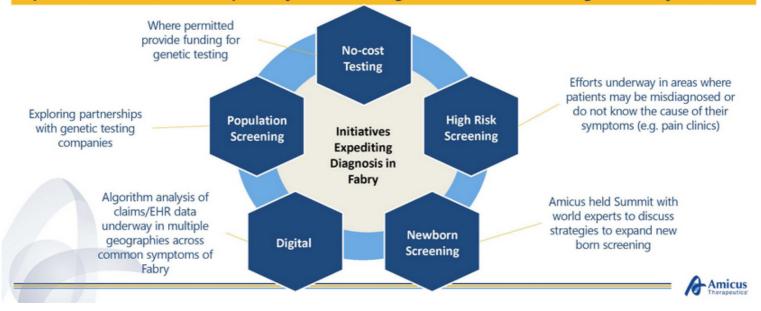
Galafold Growth Trajectory

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



Fabry Disease Diagnostic and Growth Drivers

Fabry disease is both underdiagnosed and misdiagnosed. Expanded screening initiatives have the potential to drive a shorter pathway to correct diagnosis for individuals living with Fabry disease.



Galafold Opportunity

1st full-year launch in major

geographies

With inherent Fabry market growth and our \$1B+ Opportunity work to improve diagnosis and screening, Galafold has the potential to drive \$1B+ annual revenue at peak. 2028+ \$500M+ **Projected** Revenue Durable growth in underlying Fabry disease \$170M-\$180M 2023 diagnosis drives longer term projections 2019

Driven by:

Market penetration

in existing and new markets

Continued uptake into diagnosed,

untreated market



Strong IP protection

through orphan drug acts

in US and EU, as well as

multiple patents

Fabry Patient Perspectives

Perspectives of two people living with Fabry disease who also have extended family members living with Fabry









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

Jay Barth M.D., Chief Medical Officer
John F. Crowley, Chairman and Chief Executive Officer

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 WW¹; newborn screening suggests underdiagnosis

Age of onset ranges from infancy to adulthood

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

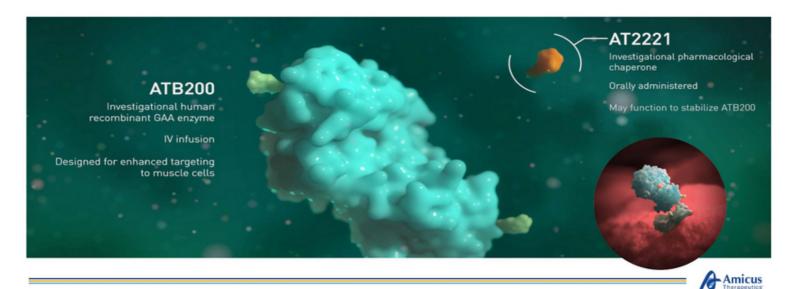
~\$900M+ global Pompe ERT sales in FY18²



1. National Institute of Neurological Disorders and Stroke (NIH). 2. Sanofi Press Release & 10-K

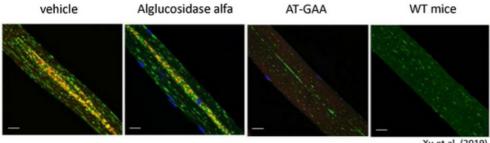
AT-GAA: Foundation in Protein Engineering

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.



Preclinical Proof-of-Concept

Preclinical data for AT-GAA demonstrate a distinct profile for targeting and uptake into key tissues, substrate reduction, restoring cellular health and muscle integrity



Xu et al. (2019)

C buildup in Gaa KO mice

150

- · GAA deficiency leads to substantial muscle damage as evidenced by autophagic buildup in Gaa KO mice
- Alglucosidase alfa does not reverse damage
- · AT-GAA significantly clears autophagic buildup in vast majority of muscle fibers
- · First treatment to demonstrate reversal of defective autophagy and muscle damage

 Following 2 doses of 20mg/kg alglucosidase alfa or ATB200 + AT2221 in Gaa KO mice



Source: Xu et I. 2019, JCI Insights 4(5)e125358

Breakthrough Therapy Designation

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



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

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



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



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

	Cohort	Baseline (n=10)	Change at Month 6 (n=10°) Mean (SD)	Change at Month 12 (n=10") Mean (SD)	Change at Month 24 (n=9 ^{A,b}) Mean (SD)
(% Predicted) 6-Min Walk Test		397.2 (96.8)	+23.9 (52.2)	+42.2 (46.5)	+36.4 (60.5)
	Cohort	Baseline (n=5)	Change at Month 6 (n=5) Mean (SD)	Change at Month 12 (n=5) Mean (SD)	Change at Month 24 (n=5) Mean (SD)
	Cohort 3 ERT-Naïve	399.5 (83.5)	+ 41.8 (29.4)	+63.1 (29.1)	+60.7 (36.5)
	Cohort	Baseline (n=9°)	Change at Month 6 (n=9°) Mean (SD)	Change at Month 12 (n=9°) Mean (SD)	Change at Month 24 (n=8 ^{h,c}) Mean (SD)
	Cohort 1 ERT-Switch Ambulatory*	52.6 (14.7)	-1.2 (4.0)	-3.0 (6.0)	+0.9 (4.9)
		Baseline (n=5)	Change at Month 6 (n=5) Mean (SD)	Change at Month 12 (n=5) Mean (SD)	Change at Month 24 (n=5) Mean (SD)
A. A. A.	Cohort 3 ERT-Naïve	53.4 (20.3)	+ 4.4 (5.6)	+4.6 (8.8)	+6.8 (6.8)



Initial 6-month data in Cohort 4 (ERT-Switch Patients)

Data in additional ERT-switch patients in a decline phase support consistent, sustained and durable effects on functional outcomes and biomarkers after switching to AT-GAA

Cohort 4	Baseline		CFBL to 6M		CFBL to LOCF	
	mean (SD)		mean (SD)		mean (SD)	
6MWD	387.3 (161.3)	6	+24.3 (60.5)	5	+19.3 (53.3)	6
% predicted sitting FVC	65.3 (21.1)	6	+6.6 (4.2)	5	+5.2 (6.0)	6
MMT (max 80)	59.7 (6.0)	6	+4.0 (2.0)	5	+3.8 (3.8)	6
Timed up and go	9.1 (4.2)	6	0.3 (1.6)	5	+0.6 (1.4)	5 ^b
GSGC	17.2 (5.0)	6	-2.8 (4.0)	5	-2.2 (3.9)	6
FSS (max 63)	42.8 (14.0)	6	-3.3 (4.6)	5	-3.0 (7.2)	5 ^b

- 6MWT increased in 2/5 patients at Month 6 and 4/6 patients at last available time point (3-15 months of treatment)
- FVC increased in 5/5 patients at Month 6 and 5/6 at last available time point; MIP and MEP both increased
- Last available time point includes 1 subjects at Month 3, 2 subjects at Month 6, 2 subjects at Month 12 and 1 subject at Month 15

Historical data on 6MWT showed an average decline of ~7 meters per year while on standard of care ERT prior to switching to AT-GAA (n=6), with 5/6 patients declining.

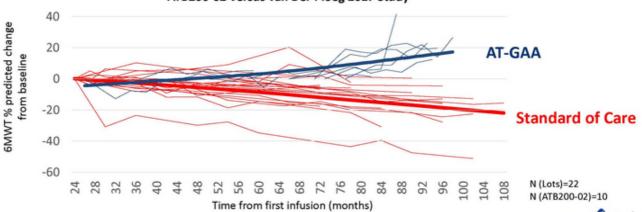
anly 5 patients had completed month 6 assessment at time of IA; Done patient missing data for Timed up and go and one patient missing data for FSS



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

Natural history comparisons show large treatment effect of AT-GAA on 6MWD in Phase 1/2 which supported statistical power of PROPEL pivotal study

Change from Baseline in Percent Predicted 6MWT in Subjects
Treated with ERT for 2+ Years:
ATB200-02 Versus van Der Ploeg 2017 Study

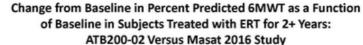


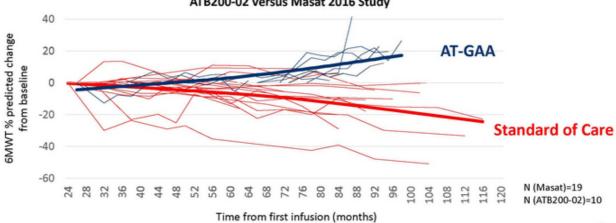
Source: ATB200-02 IA#7; Ans T. van der Ploeg *t al. Poster presented at the 13th Annual WORLD Symposium™ 2017, February 13–17, 2017, San Diego, CA, USA



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 IAR7; Masat et al 2016; Nature Scientific Reports | 6:36182



PROPEL (ATB200-03) Study Design



48

Phase 3 enrollment is expected to complete in 2019 with data 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).

52-Week Primary Treatment Period (Double-Blind)

2:1 Randomization

Participants with Late-Onset Pompe Disease

~120 Patients 78 WW Clinical Sites

> ERT-Switch ERT-Naïve

AT-GAA Bi-Weekly

Standard of Care Bi-Weekly

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

Well Powered for Superiority

Long-Term Extension (Open-Label) PROPEL Pivotal Study 80%+ Enrolled and Expected Now to Overenroll By YE2019 with data in 1H2021





Pompe Biologics Manufacturing

Amicus and partner WuXi Biologics have successfully produced AT-GAA at 1,000L commercial scale, demonstrating unique capabilities in Amicus biologics process science, manufacturing and quality control

- Manufacturing PPQ runs at WuXi biologics on track to start this month
- Agreements on biocomparability with key regulators (FDA, BfARM)
- · PROPEL participants treated with drug manufactured at 1000L
- Current bioreactor capacity to supply global population



AT-GAA Treatment Opportunity

Potential to become the standard of care for all persons living with Pompe with \$1B+ to \$2B in annual sales at peak

- Phase 1/2 study data on AT-GAA demonstrated profound improvement in functional outcomes for Pompe patients
- PROPEL pivotal study 80%+ enrolled and expected now to over-enroll (~120 patients) By YE 2019
- Ongoing and planned studies intended to support approval in all patients
- Breakthrough therapy designation provides advantages toward approval
- Strong IP exclusivity protections well into the 2030s



Pompe Disease Overview

A perspective of Pompe disease demonstrates the unmet medical need

Video:







Q&A Session

2019 Analyst Day | October 10, 2019 | New York, NY



Next Generation Gene Therapy Platform

Hung Do, Ph.D.

2019 Analyst Day | October 10, 2019 | New York, NY

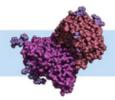
A Natural Evolution: Chaperones to Optimized ERT to Gene Therapy

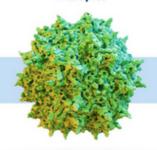
Amicus' shift towards gene therapy is built upon years of experience in developing genetic medicines designed to deliver deficient proteins to target cells and organelles

Pharmacological Chaperones Next-Generation

Gene Therapies





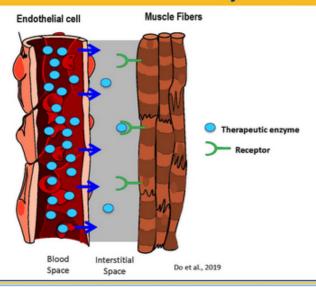


Stabilize "naturally produced" enzymes Stabilize and target "externally produced" enzymes Stabilize and target "internally produced" enzymes



Challenges of Protein Delivery Today

Therapeutic enzymes have similar challenges whether delivered exogenously by ERT or via gene therapy



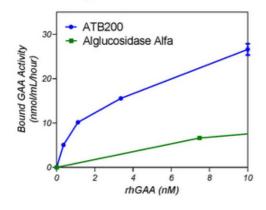
- Biodistribution of therapeutic proteins from circulation to intended cells is poor
- These challenges necessitate highly efficient uptake and trafficking mechanisms
- Only therapeutic enzymes with optimal characteristics for cellular uptake can be efficiently internalized in target cells at low enzyme levels



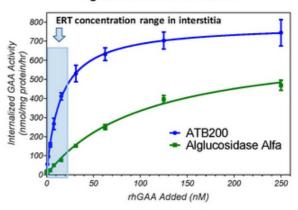
Importance of Cell Surface Receptor Binding

Therapeutic enzymes must have high affinity for cell surface receptors to enable efficient cellular uptake

Binding Affinity for M6P Receptor: Alglucosidase alfa vs ATB200



rhGAA Uptake in Skeletal Muscle Myoblasts: Alglucosidase alfa vs ATB200

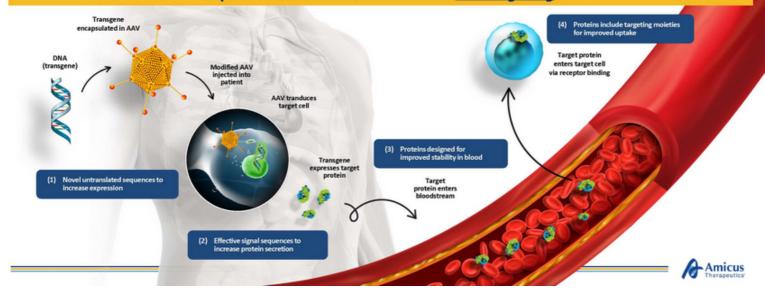


Source: Data on file



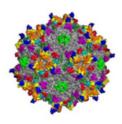
Amicus Approach: Engineered Transgenes for Optimal Cross-Correction

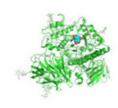
Unique Amicus technologies for protein engineering in gene therapy represent a new platform and groundbreaking advancement for developing differentiated gene therapies designed to optimize expression, secretion, stabilization and targeting.

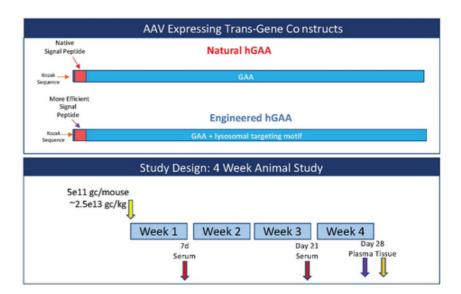


Pompe AAV Gene Therapy Initial High-Dose Preclinical POC Study

- · AAV Transgene:
 - Natural-hGAA (AAV:hGAA nat)
 - Engineered-hGAA (AAV.hGAA eng)
- · Dose\Route:
 - 5e11 gc/mouse (~2.5e13 gc/kg)
 - Tail Vein IV
- · Animal Model:
 - Pompe Model Gaa -/- B6:129-GAAtm1Rabn/J (aka 6neo)
 - Wild-type Gaa +/+ (Pompe model litter-mates)
- · Gender:
 - Male
 - Female
- · Age: 4-6 weeks at AAV dosing



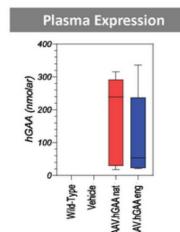






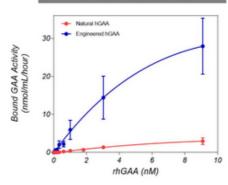
Initial Preclinical Pompe Gene Therapy Results: Plasma

AAV with the Amicus engineered hGAA transgene was expressed at similar levels in plasma and had significantly enhanced binding for cell uptake receptors compared to the unmodified natural GAA transgene



 High levels of engineered and natural hGAA were measured in plasma at day 28

Receptor Binding



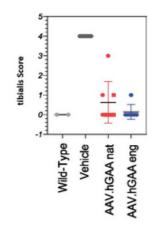
 Only engineered hGAA was able to efficiently bind the intended cell uptake receptor



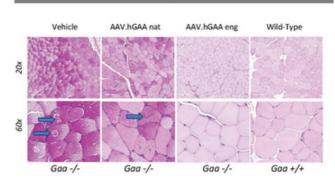
Initial Preclinical Pompe Gene Therapy Results: Muscle

AAV with the Amicus engineered hGAA transgene had a more uniform and complete impact on cell pathology and glycogen reduction in muscle compared to the unmodified natural GAA transgene

Tibialis: Histopath



Tibialis: Glycogen PAS



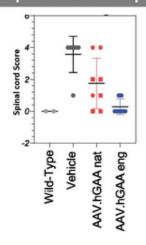
Similar results observed in other muscle groups



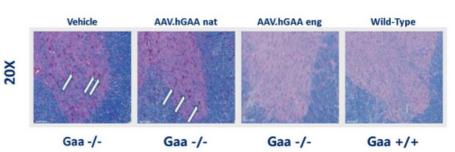
Initial Preclinical Pompe Gene Therapy Results: CNS

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

Spinal Cord: Histopath



Spinal Cord: Glycogen PAS

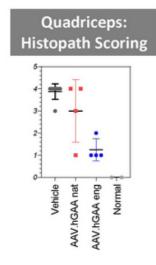


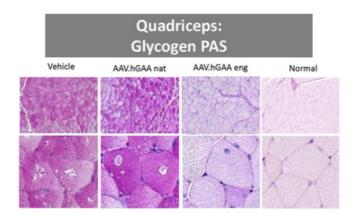
Similar results observed in brain



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





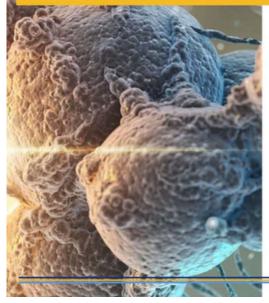
Similar design as high dose preclinical study

Source: Data on file



Pompe Gene Therapy Summary and Next Steps

Initial Pompe preclinical gene therapy data at ASGCT and NEW preclinical data demonstrate differentiated profile and clear pathway toward the clinic

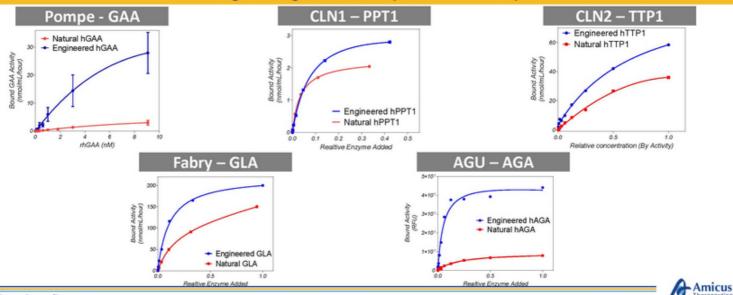


- Clinical candidate selected
- Toxicology batch manufacturing and GMP tech transfer to Paragon underway
- IND enabling toxicology studies to begin shortly
- Potential to enter clinic in 1H2021



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

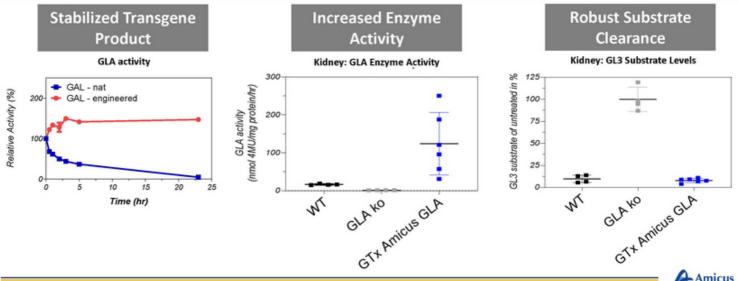
Amicus has repeatedly validated the protein engineering platform approach in multiple indications to design transgenes with improved cellular uptake



Source: Data on file

Initial Preclinical Fabry Gene Therapy Results

Engineered GLA transgene increased enzyme activity in kidney >7 fold higher than wildtype and lowered GL-3 substrate levels comparable to wildtype



Source: Data on file



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.







Next Generation Research Program

Jeff Castelli, Ph.D., Chief Portfolio Officer and Head of Gene Therapy Jim Wilson, M.D., Ph.D., Rose H Weiss Professor and Director, Orphan Disease Center, Perelman School of Medicine at the University of Pennsylvania

2019 Analyst Day | October 10, 2019 | New York, NY

Amicus and Penn Gene Therapy Collaboration

Combines Amicus Expertise in Protein Engineering with Penn's AAV Vector Technology, Manufacturing and Immunology Capabilities to Improve Safety and Efficacy and Speed Development







Worldwide Rights to Penn's Next Generation Gene Therapy Technologies for the Majority of Lysosomal Disorders

Current Collaboration Includes Pompe, Fabry, CDD, Niemann-Pick Type C, Next Generation MPS IIIA, and MPS IIIB

Partnership Encompasses 12 Additional Rare Diseases, including Rett Syndrome, Angelman Syndrome, Myotonic Dystrophy and Select Other Muscular Dystrophies

Amicus to Invest \$10M / Year for 5 Years for Research to Improve Safety, Efficacy and Manufacturability of Next Generation Vectors with Option to Extend



Discovery Program to Improve in vivo AAV Gene Therapy

James M. Wilson, MD, PhD

Rose H. Weiss Professor and Director, Orphan Disease Center Professor of Medicine and Pediatrics Director, Gene Therapy Program Perelman School of Medicine at the University of Pennsylvania



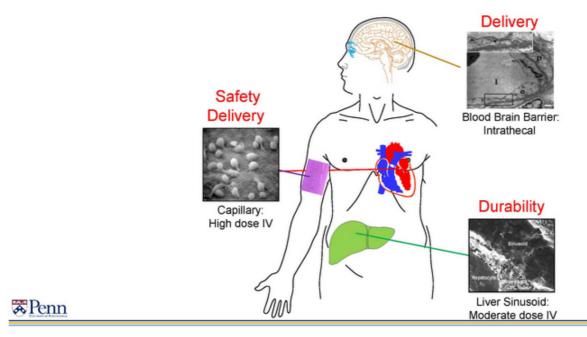
October 10, 2019

Passage Bio and Scout Bio: stock, grant and consulting



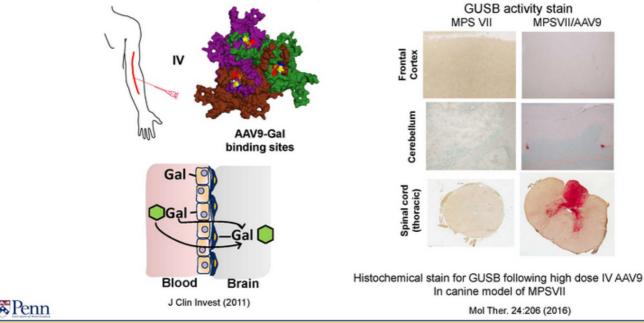


Strategies to Improve Gene Therapy for Targets Relevant to Amicus/Penn Programs: *It's not all about the capsid*





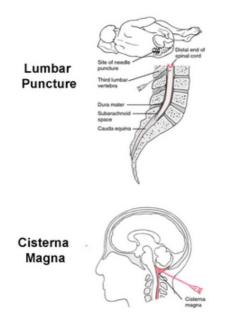
High Dose IV AAV9 Targets Motor Neurons of Spinal Cord but Not Brain in MPSVII Dogs

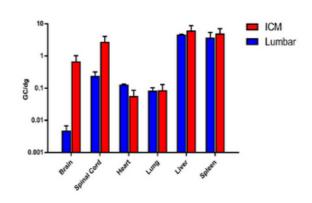






Broader Distribution of AAV9 Gene Transfer in CNS Following Injection into the Cisterna Magna (ICM)





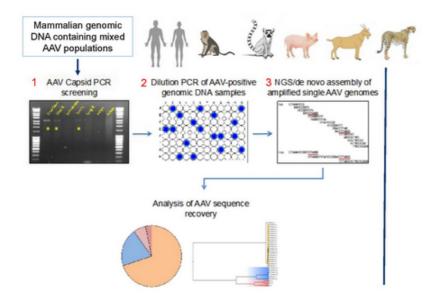
Adult cynomologus macaques were injected with 1 to 2xE11 GC/gm brain in 1ml via LP or ICM. Animals were necropsied 14 days later and brain tissue analyzed for vector GC per diploid genome. This is close to the maximal dose that can be delivered.



Mol Ther. Methods and Clinical Development 1:1 (2014)



Methods for AAV Natural Isolate Detection and Sequencing: Single Genome Amplification and Bioprospecting Techniques



Primate and exotic species

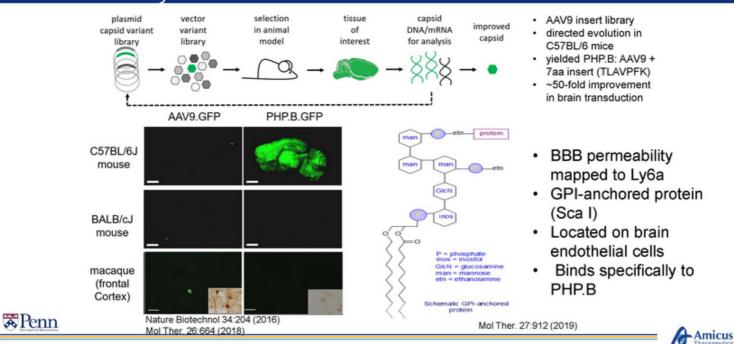
Other methods for Bioprospecting for novel AAV:

- Expansive high-throughput PCR using clade-specific and unbiased primer approaches
- Metagenomic dataset fishing for AAV-like sequences
 - Shotgun sequencing datasets from human and other mammals
- · Database mining for AAV reads

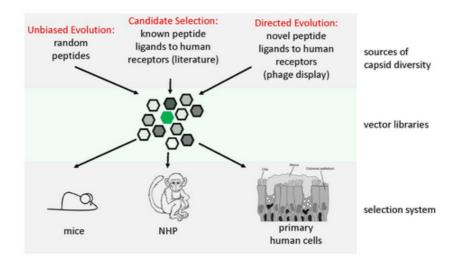




Directed Evolution for Improved Brain Transduction from IV Delivery



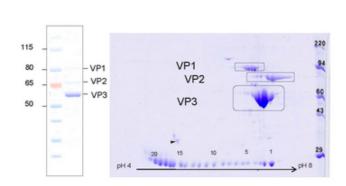
Work Streams for Identifying Novel Capsids with Improved CNS Delivery

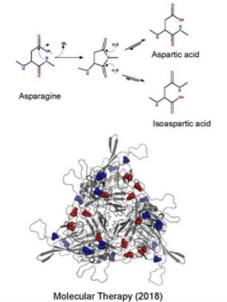






Manufacturing Process Improvements Can Improve Vector Potency: the Case for AAV Deamidation

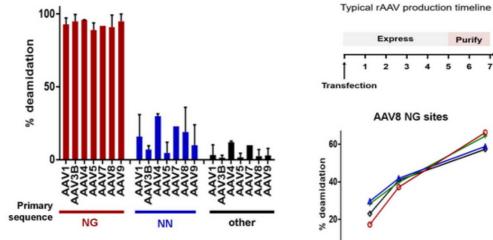


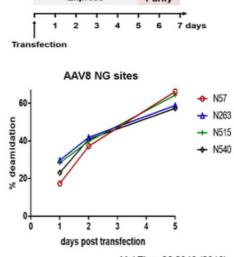






Deamidation Occurs Across All Serotypes During Production of Vector

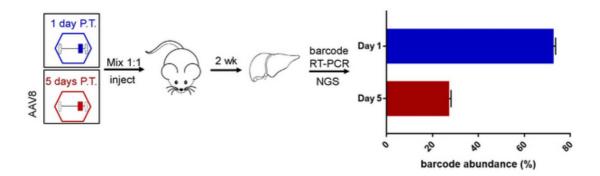








Rapid Deamidation of AAV8 Is Correlated with Potency Loss in vivo

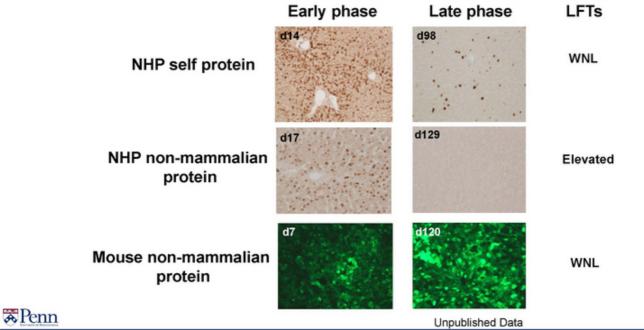


AAV8 vectors harvested at day 1 or day 2 were produced using 2 sets of bar codes for each capsid harvest. Day 1 harvest had 20% NG deamidation while Day 2 harvest had 90% NG deamidation. Vectors were mixed and injected 1:1 IV into C57BL/6 mice. Liver harvested 2 weeks later were subjected to NGS to evaluate the abundance barcoded mRNAs which was shown to be approximately 3.5-fold higher for the Day 1 harvest indicating increased potency.





AAV-Mediated Transgene Expression Is Not Stable in Primate Liver







Extensive Vector DNA with Limited Expression in Nonhuman Primate Liver

AAV3B transduced NHP liver

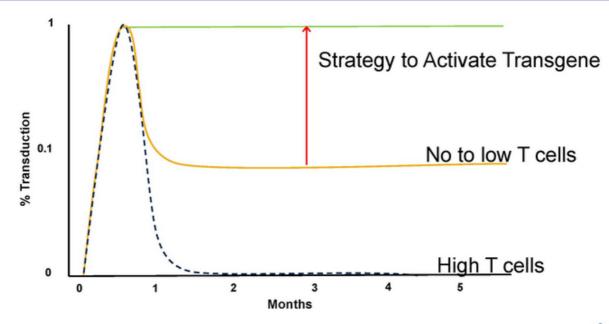
Control NHP liver

Rhesus macaques were injected with AAV3B vector at 3E12 GC/kg and tissue was harvested at week 35 for in situ hybridization analysis. Left panel: tissues were analyzed with probes to the mRNA (red) and to DNA (green) that are complementary to the transgene. White arrows indicate punctate signals in nuclei that are specific to DNA while yellow arrowhead points out a cell with extensive cytoplasmic mRNA staining. Right panel: similar in situ Hybridization from liver tissue of an animal that received AAV3B vector at same dose but expressing a different Transgene with a notable absence of staining.





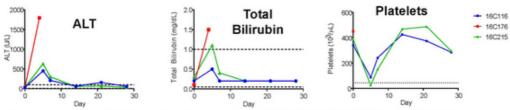
Model for Efficiency and Durability of AAV Liver Gene Therapy





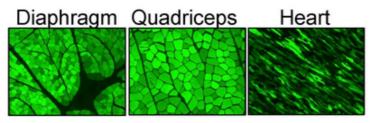


Gene Transfer and Toxicity of Systemic High Dose AAV9 in Rhesus Macaques



Rhesus macaques 12-14 months of age dosed with IV AAVhu68.CB7.hSMN at 2xE14 GC/kg. 16C176 was euthanized on Day 4. Dotted lines indicate laboratory reference range.

Human Gene Ther. 29:285 (2018)



Rhesus macaques were dosed with AAV9.CB7.GFP at 7.5E13 GC/kg and necropsied at 21 days for analysis of GFP expression.

Mol Ther. 26:664 (2018)





Acute Systemic Toxicity to High Dose IV AAV: Mechanisms, Factors and Remedies

- Data
 - Occurs in NHPs and humans
 - Occurs at doses >7.5e13 GC/kg
 - Non-linear relationship between dose and gene transfer/acute toxicity
 - Prodrome is low platelets and high transaminases
- · Mechanism(s) unknown
 - Systemic Inflammation e.g., CAR-T and Adenovirus
 - Activation of Complement
 - Injury to endothelial cells
 - Direct affect on platelets

Factors

- Capsid
- Residuals
- Method of purification
- Age of recipient
- Co-morbid conditions

· Remedies

- Decrease dose; improved delivery
- Modify biodistribution
- Pharmacology to prevent inciting event or dampen host responses







Batten Disease Gene Therapy Franchise

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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 programs in CLN8 and CLN1 Batten disease with other neurologic LSDs in earlier preclinical development









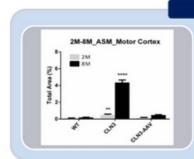
Foust, Kaspar et al., 2009

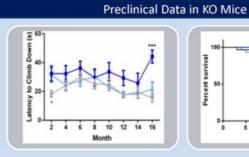


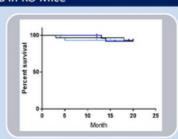
Source: Likhite 2018, 16" International Conference on Neuronal Ceroid Lipofuscinoses, IND-enabling Preclinical Studies for Batten Disease Gene Therapy

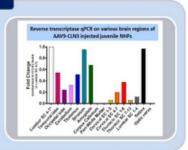
CLN3 Batten Disease: Preclinical and Clinical Summary

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









Reduction of storage material in mouse model Improvement of motor function and cognitive behavior in mouse model Comparable survival in mouse model

Widespread gene expression in brain of NHPs



The Kahn Family – Life with CLN3 Batten Disease





The Kahn Family – Life with CLN3 Batten Disease

Video:

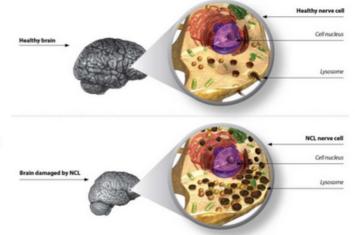




CLN6 Batten Disease Overview

Batten disease is a devastating early childhood disease that is 100% fatal in children. CLN6 is a neurologic disease that rapidly robs children of their ability to walk, speak, think, see, and often ends in death during childhood.

- Mutation in CLN6 gene leads to lysosomal dysfunction
- Usually presents at 2-3 years of age after typical childhood development
- Rapidly robs children of their ability to walk, speak, think, and see
- No approved therapy and urgent need for treatment
- Early intervention is critical
- Estimated population is ~1,000 globally





Source: Batten Disease Fact Sheet, NINDS, Publication date June 2018.

Hamburg Motor and Language Scale

Following symptom onset, natural history indicates rapid degradation of motor and language ability, on the Hamburg scale, with each point decline representing significant impairment

Hamburg Motor & Language Scale

Motor Function	Language Function
3 Normal	3 Normal
2 Clumsy, falls	2 Abnormal
1 Non-walking	1 Minimal
1 Immobile	Unintelligible or no vocalization

In each domain, the rating is structured so that a score of:

3 = normal condition

2 = slight or just noticeable abnormality

1 = severe abnormality

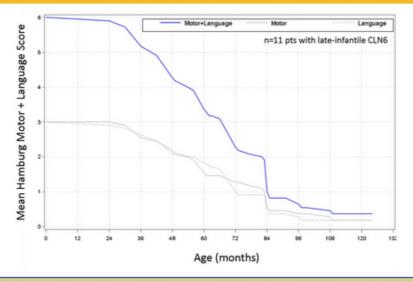
0 = complete loss of function



Source: Wyrwich et al. 2018. Journal of Inborn Errors of Metabolism and Screening

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



Clinical Study Design

Safety and efficacy of a single administration of intrathecally delivered AAV-CLN6 gene therapy evaluated for a number of key parameters including Hamburg Motor + Language score



Key Eligibility Criteria

- · Diagnosis of CLN6 determined by genotyping
- · Hamburg motor and language score ≥3
- Age ≥1 year

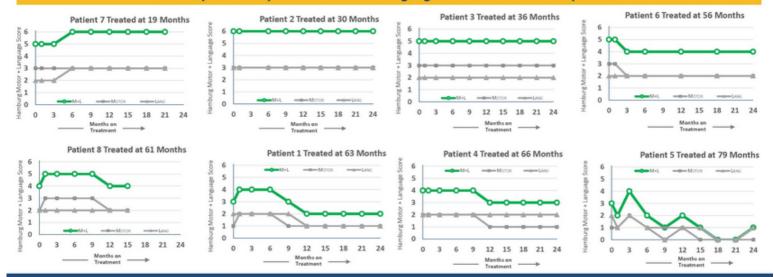
Efficacy Evaluations

- · Hamburg scale
- Additional measures include: UBDRS, Cognitive and Language Ability, Vision, QOL, Ophthalmologic Assessments, Brain MRI



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

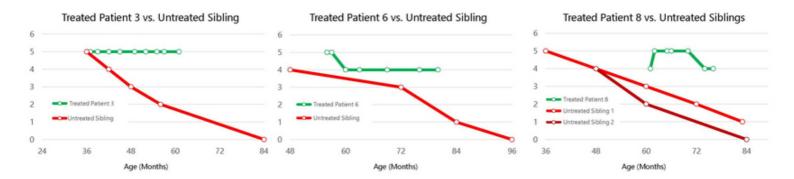


Separate Motor and Language Scores are Consistent with the Respective Combined Score.

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

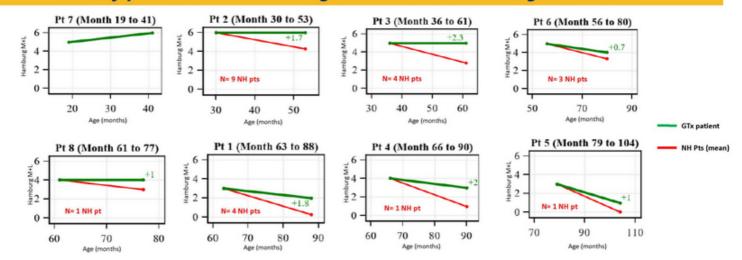
Treated AAV-CLN6 Patients vs Natural History Sibling with CLN6 (Hamburg Score: Motor + Language over time)





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



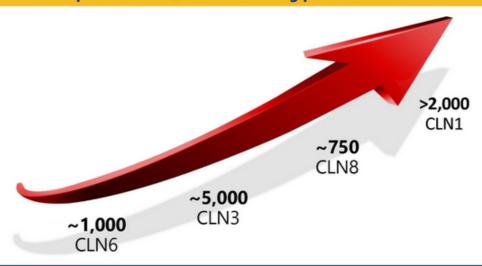
5 Key Takeaways for AAV-CLN6 Gene Therapy

Interim safety and efficacy data demonstrate the potential for AAV-CLN6 gene therapy to stabilize progression of a devastating disease

- Meaningful impact on motor and language function in children with a fatal neurologic disease that destroys brain function
- Evidence of disease stabilization in seven out of the eight children following AAV-CLN6 gene transfer
- Natural history cohort shows progressive loss of language and motor function in untreated patients
- Sibling comparisons (in-study and natural history) and matched natural history comparisons provide further support for AAV-CLN6 gene therapy and early intervention
- Favorable safety profile with intrathecal administration of AAV in all study participants

Batten Disease Franchise

CLN6 results validate the broad potential of the intrathecal AAV platform to build a valuable and significant franchise to save thousands of children suffering from multiple types of Batten diseases with potential for \$1B+ in recurring peak revenue



*Estimated addressable U.S., EU, Japan, and other major, reimbursable markets based on published incidence and prevalence



CLN6 Disease Overview

The perspectives of people living with CLN6 demonstrate the urgent need for treatment

Video:

CLN6 from a Parent Perspective





Q&A

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Closing Remarks

John F. Crowley

Chairman and Chief Executive Officer

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