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): July 15, 2010

AMICUS THERAPEUTICS, INC.

(Exact name of registrant as specified in its charter)

Delaware	**001-33497**	**71-0869350**
(State or other Jurisdiction of Incorporation)	(Commission File Number)	(IRS Employer Identification No.)

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

Registrant's telephone number, including area code: **(609) 662-2000**

(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:

o Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

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

o Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

o Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 7.01. Regulation FD Disclosure.

The senior management of Amicus Therapeutics, Inc. (the “Company”) is using the presentation attached as Exhibit 99.1 to this Current Report in its current meetings with investors and analysts. The presentation includes an update on the Company’s estimated 2010 operating expense. As previously announced, the Company’s current cash position is expected to be sufficient to fund operations and capital expenditure requirements into the second half of 2011.

The information in this Current Report on Form 8-K, including Exhibit 99.1, is being furnished pursuant to Item 7.01 and shall not be deemed “filed” for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, or otherwise subject to the liabilities under that Section.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits: The Exhibit Index annexed hereto is incorporated herein by reference.

SIGNATURES

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.

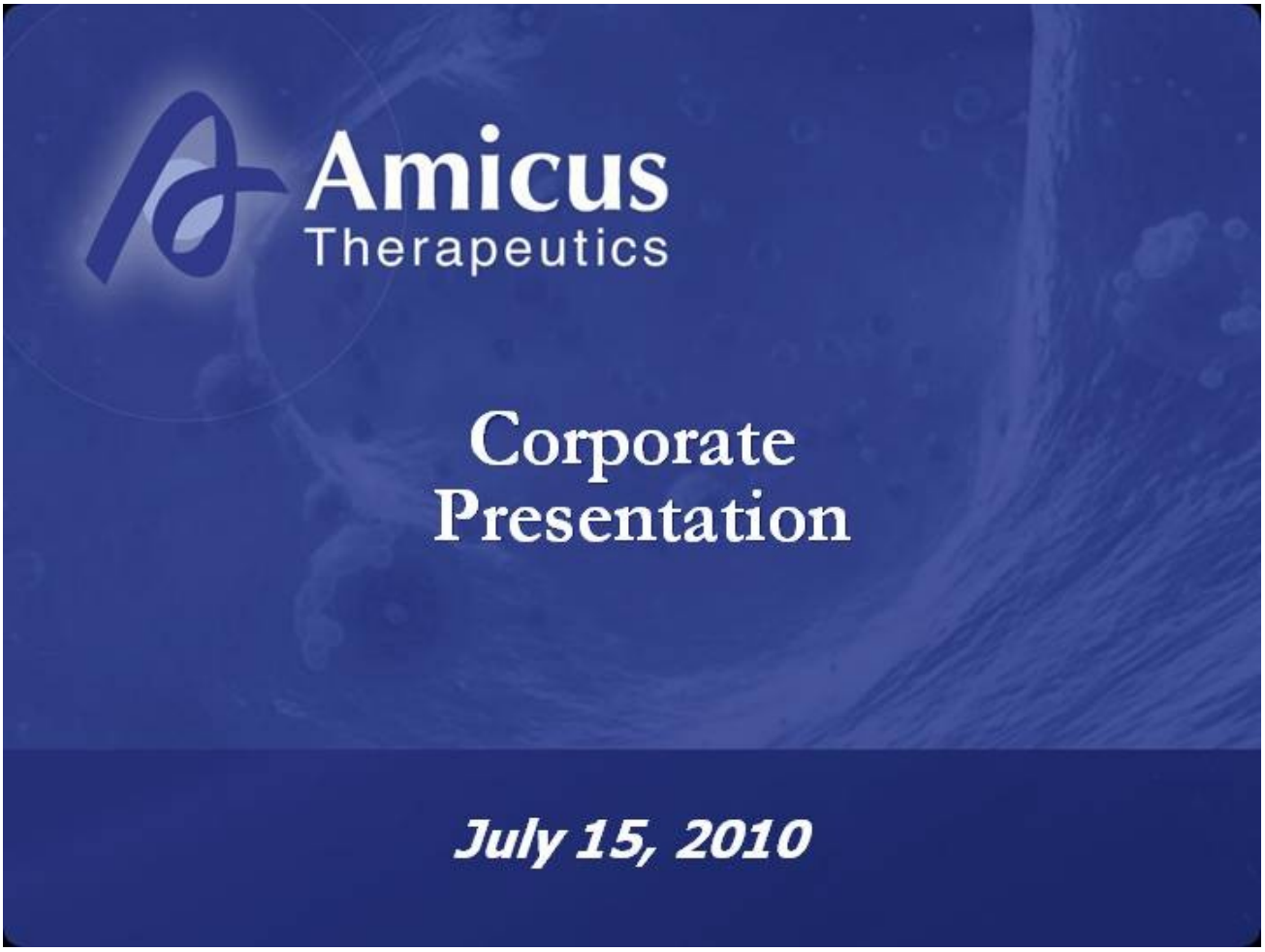
Date: July 15, 2010

By: /s/ Geoffrey P. Gilmore
Geoffrey P. Gilmore
Senior Vice President and General Counsel

EXHIBIT INDEX

Exhibit No.	Description
99.1	Presentation Materials

Exhibit 99.1



Safe Harbor

This presentation contains certain "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995 relating to the business, operations and financial condition of Amicus, including but not limited to preclinical and clinical development of Amicus' candidate drug products, the timing and reporting of results from preclinical studies and clinical trials evaluating Amicus' candidate drug products, business development opportunities, and the projected cash position for the Company. Words such as, but not limited to, "look forward to," "believe," "expect," "anticipate," "estimate," "intend," "likely," "should" and "could," and similar expressions or words, identify forward-looking statements. Although Amicus believes the expectations reflected in such forward-looking statements are based upon reasonable assumptions, there can be no assurance that its expectations will be realized. Actual results could differ materially from those projected in Amicus' forward looking statements due to numerous known and unknown risks and uncertainties, including the "Risk Factors" described in our Annual Report on Form 10-K for the year ended December 31, 2009. Amicus does not undertake any obligation to publicly update any forward-looking statement to reflect events or circumstances after the date on which any such statement is made, or to reflect the occurrence of unanticipated events.

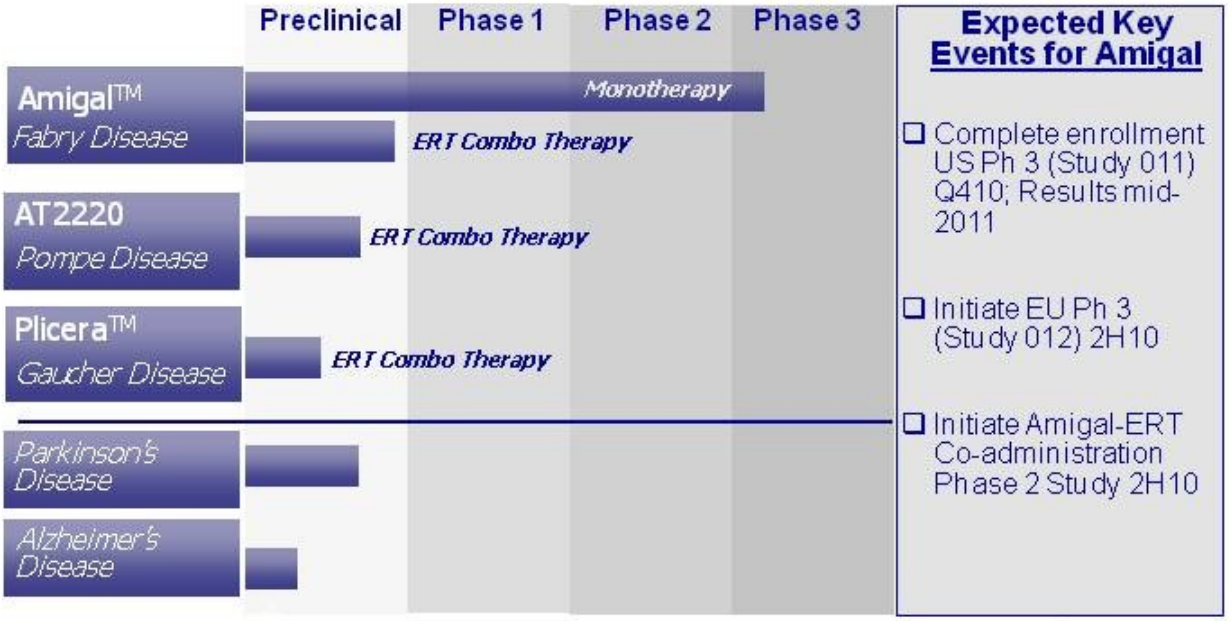
Amicus Therapeutics
Overview

- Focused on developing treatments for rare diseases
- Pioneering use of pharmacological chaperone technology
- Lead program in Phase 3 for Fabry with results expected mid-2011
- Strong financial position
- Potential for multiple strategic partnership opportunities

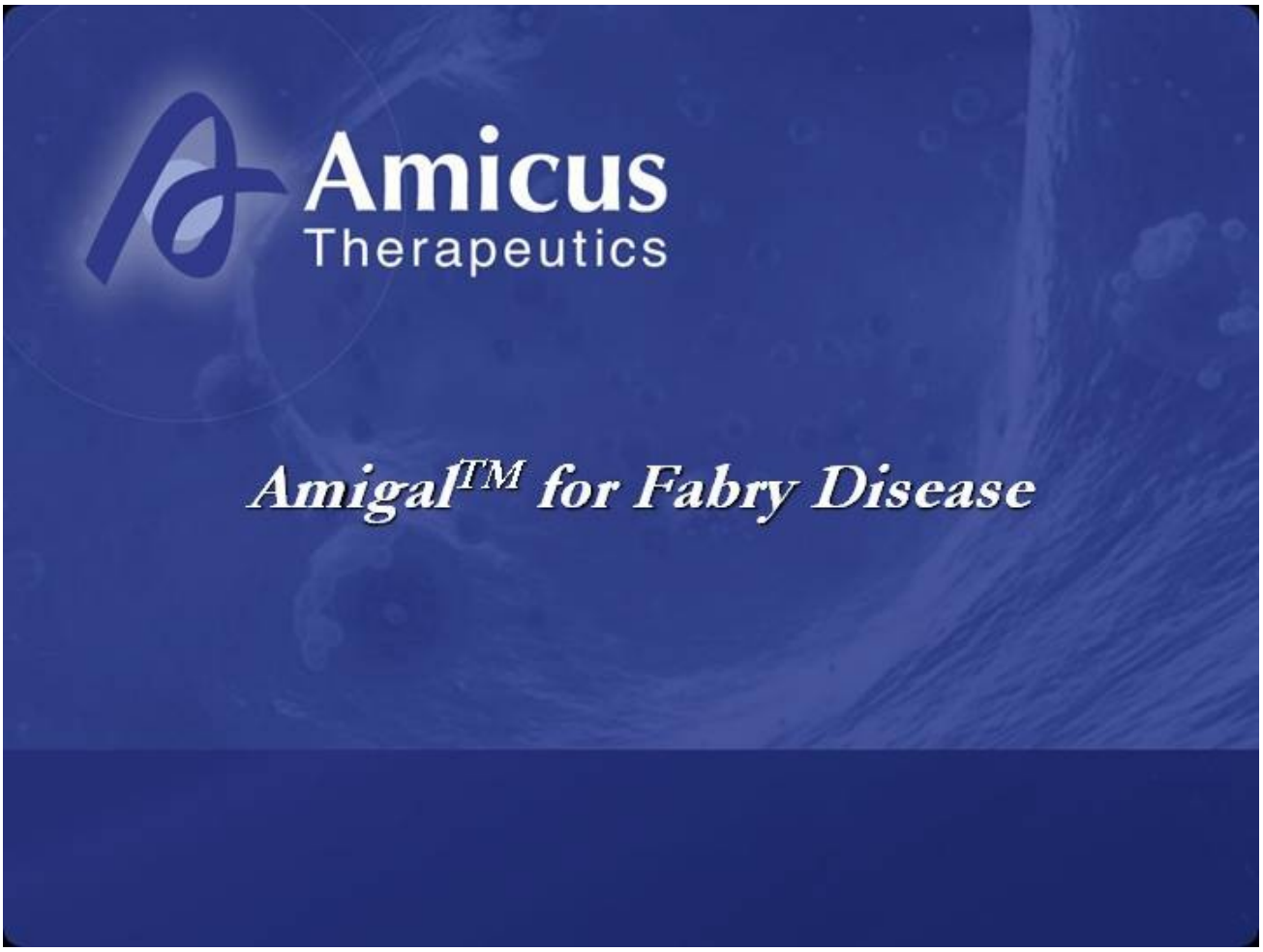
Shares outstanding: *As of March 31, 2010*	27.6 million
Price per share: *As of July 6, 2010*	$2.18
Market Cap:	$60.25 million
Cash Position: *As of March 31, 2010*	$81.4
2010 expected burn:	$45-55 million

Amicus Therapeutics

Pipeline
Building significant rare disease franchise



Amicus Therapeutics


Amicus
Therapeutics
Amigal™ for Fabry Disease

Amigal for Fabry Disease

Phase 3 program is our number one strategic priority

Phase 3 US Registration Trial (Study 011)

Study Design	▪ 6 month trial ▪ Placebo-controlled, double-blind ▪ N=60; ~40 sites globally
Patient Population	▪ Naïve to ERT or off ERT > 6 months ▪ Responsive mutation ▪ 4X normal urine GL-3
Primary Endpoint	▪ Responder analysis: Amigal versus Placebo ▪ Responder = ≥50% reduction in kidney interstitial capillary GL-3
Secondary Endpoints	▪ Urine GL-3 ▪ Glomerular filtration rate ▪ 24-hour urine protein ▪ Safety and tolerability
Status	▪ First patient dosed Q4 09 ▪ Expect to complete enrollment Q4 2010 ▪ Results expected mid-2011

Amigal for Fabry Disease

Confident in likelihood of success of Phase 3

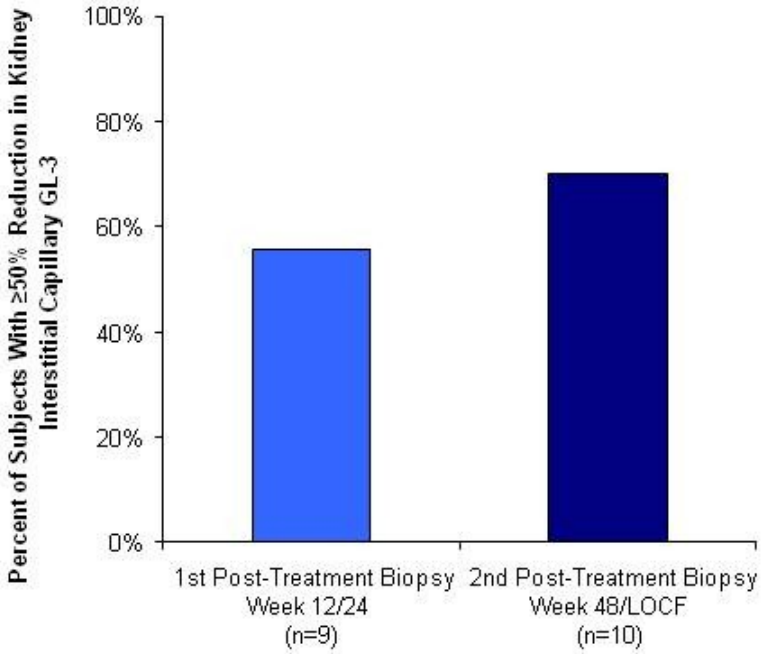
- Strong Phase 2 results using primary endpoint for Phase 3
  - 55% of Phase 2 responders (mutations eligible for Phase 3) met the Phase 3 primary endpoint by week 12 or 24
  - Increased to 70% by week 48
- Phase 3 study design provides confidence in potential for success
  - Strict criteria for enrollment in study
    - Only responsive mutations
    - 4X normal baseline urine GL-3
    - ERT treatment naïve or off for at least 6 months
  - Biopsy methodology significantly improved
  - Amigal treated group will be compared to group treated with placebo

Amicus Therapeutics

Majority Ph2 Responders Met Primary Endpoint for Ph3

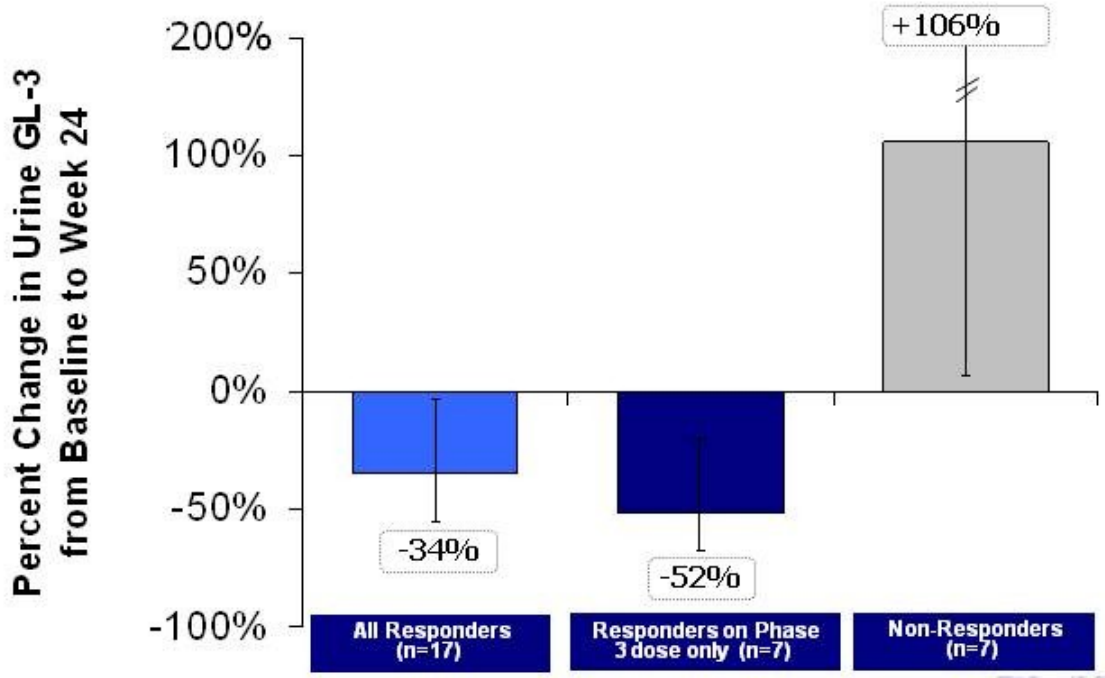
≥50% Reduction in Kidney Interstitial Capillary GL-3

Preliminary Data



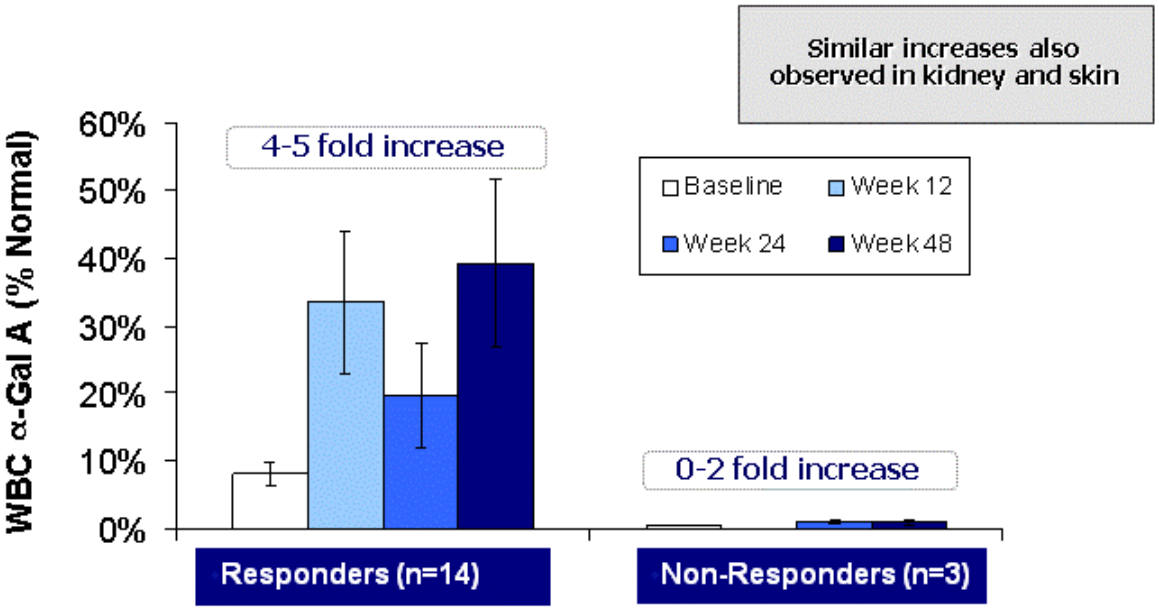
Note: LOCF is last observation carried forward; Responders have mutations eligible for Ph3

Amigal Decreases Urine GL-3
Phase 3 secondary endpoint



Note: Median and 25%, 75% quartiles presented; Fabrazyme Phase 3 study reported a 23% reduction in urine GL-3

Amigal Increases Level of Target Enzyme



Note: Males only; Mean and standard error; Responders have mutations eligible for Phase 3

Note: Number of Responders is 14 at baseline and Week 12, 10 at Week 24, and 12 at Week 48. All available data represented.

Amicus Therapeutics

Preliminary Data

Phase 2 Extension Study
Data update presented in February 2010

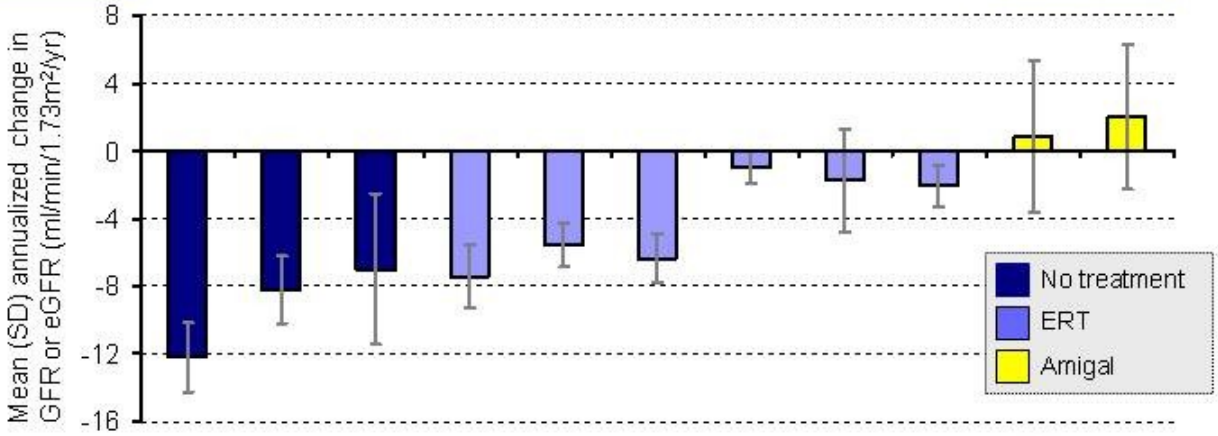
Encouraging long-term safety and efficacy data

- Phase 2 extension study overview
  - 23 of 26 subjects from original Phase 2 study enrolled
  - Cumulative 70+ patient-years on Amigal
    - 8 subjects on treatment for approximately 2-3 years
    - 11 subjects on treatment for more than 3-4 years
    - 4 subjects on treatment for more than 4 years
  - 19 subjects continue to be treated in Phase 2 extension study
- Safety
  - Amigal generally well tolerated
  - No drug-related serious adverse events
- Renal function evaluated by two measures
  - Estimated glomerular filtration rate (eGFR)
  - Proteinuria

Amicus Therapeutics

Renal Function as Measured by eGFR
Encouraging comparison versus ERT

Study	Branton, 2002	Schwart-ing, 2006	West, 2009	Germain, 2007	Breunig, 2006	West, 2009	Germain, 2007	Breunig, 2006	West, 2009	AT1001 Ph2, ALL	AT1001 Ph2, R*
N, yrs	n=14, 4 yrs	n=20, 1 yr	n=54, 0.5 yrs	n=10, 4.3 yrs	n=6, 1.9 yrs	n=22, 2.1 yrs	n=42, 4.3 yrs	n=9, 1.9 yrs	n=58, 2.1 yrs	n=16, 2.9 yrs	n=12, 3.0 yrs
Treatment	none	none	none	FAB	FAB	REP	FAB	FAB	REP	AT1001	AT1001
# With B-line Proteinuria ≥1g	N/A	4/20 (e)	N/A	10/10	6/6	22/22	0/42	0/9	0/58	1/16	1/12
Mean BL GFR	CRI onset	70	85	~100	79	90**	~135	94	90**	91	91

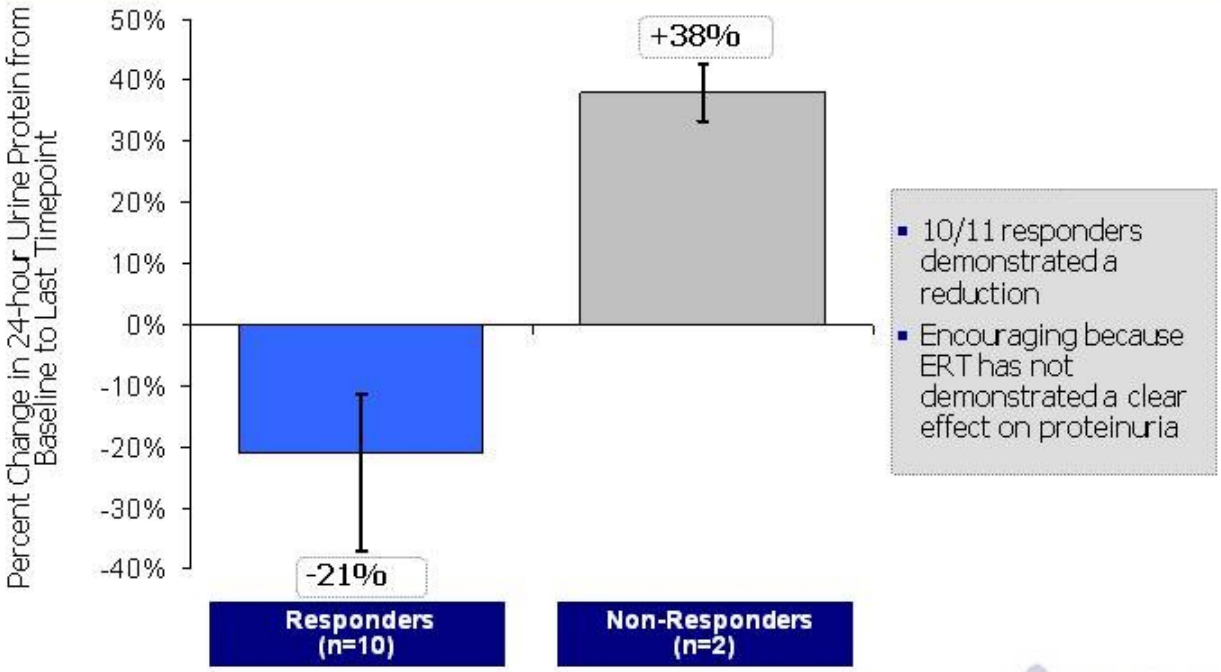


Notes: Figure modified from West, 2009; West, Breunig and AT1001 data exclude hyperfiltrators;* R= responders with mutations eligible for Ph3 excluding 1 subject previously categorized as a non-responder, ** mean GFR for all subjects in West 2009 prior to ERT was 90 ml/min

Amicus Therapeutics

Preliminary Data

Renal Function as Measured by Proteinuria
Responders Demonstrated a Trend Towards Reduction



- 10/11 responders demonstrated a reduction
- Encouraging because ERT has not demonstrated a clear effect on proteinuria

Note: Median and 25%, 75% quartiles presented; Excludes subjects with no baseline value; One responder was LLOQ at baseline and after treatment

Amicus Therapeutics

Preliminary Data

Amigal for Fabry Disease
Phase 2 summary

- Amigal was generally well tolerated
- Treatment with Amigal:
  - Increased levels of target enzyme
  - Lowered kidney interstitial capillary GL-3, the primary endpoint for US Phase 3 registration trial
  - Resulted in potential positive impact on renal function
- Physicians and patients are continuing long term treatment


Amicus
Therapeutics
Chaperone-ERT
Co-administration Therapy

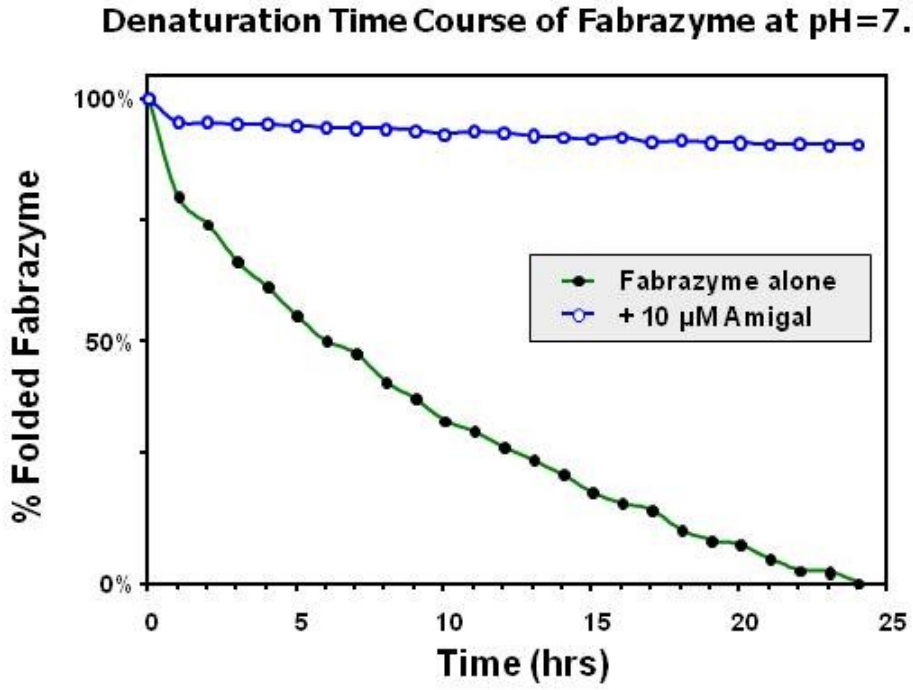
Chaperone-Enzyme Replacement Therapy
Co-administration Therapy

Expansion of PC technology strengthens rare disease franchise

- Potential to significantly enhance ERT safety and efficacy
  - Increase ERT half-life in circulation
  - Increase effectiveness of ERT
  - Improve safety of ERT
  - Decrease quantity of ERT with reduced infusion time and costs
- Status and next steps
  - Preclinical proof-of-concept established in Fabry and Pompe
  - Plan to initiate Phase 2 clinical study with Amigal and ERT in 2010
  - Evaluating options to advance programs in Pompe and Gaucher

Amicus Therapeutics

Amigal Increases Fabrazyme® Stability



Percent folded rhα-Gal (Fabrazyme) ± 10 µM AT1001 at 37 °C

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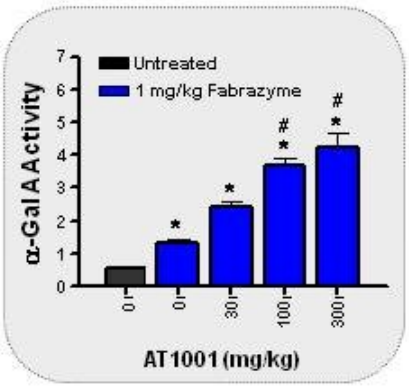
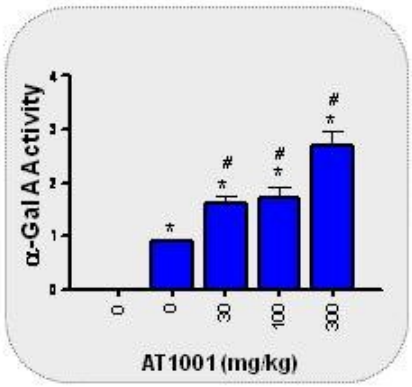
Amigal Increases Fabrazyme Tissue Uptake

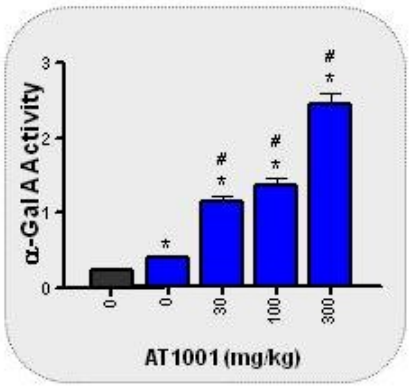
Skin



Heart

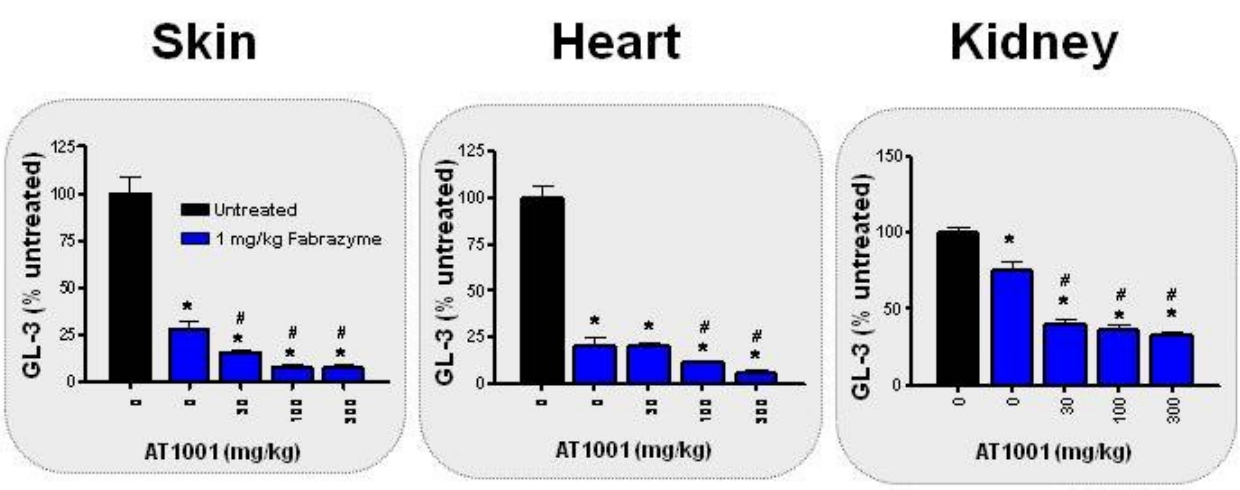


Kidney



- 12-wk old α-Gal A deficient mice
- Single IV injection of Fabrazyme +/- oral AT1001 30 min before and 2 hrs after injection
- Tissue collected 7 days after Fabrazyme injection to measure rhα-Gal A activity
- n=7-8 mice/group; *p<0.05 vs. untreated and #p<0.05 vs. rhα-Gal A alone, t-test
- Units = nmol/mg protein/hr

Amigal Increases GL-3 Clearance by Fabrazyme



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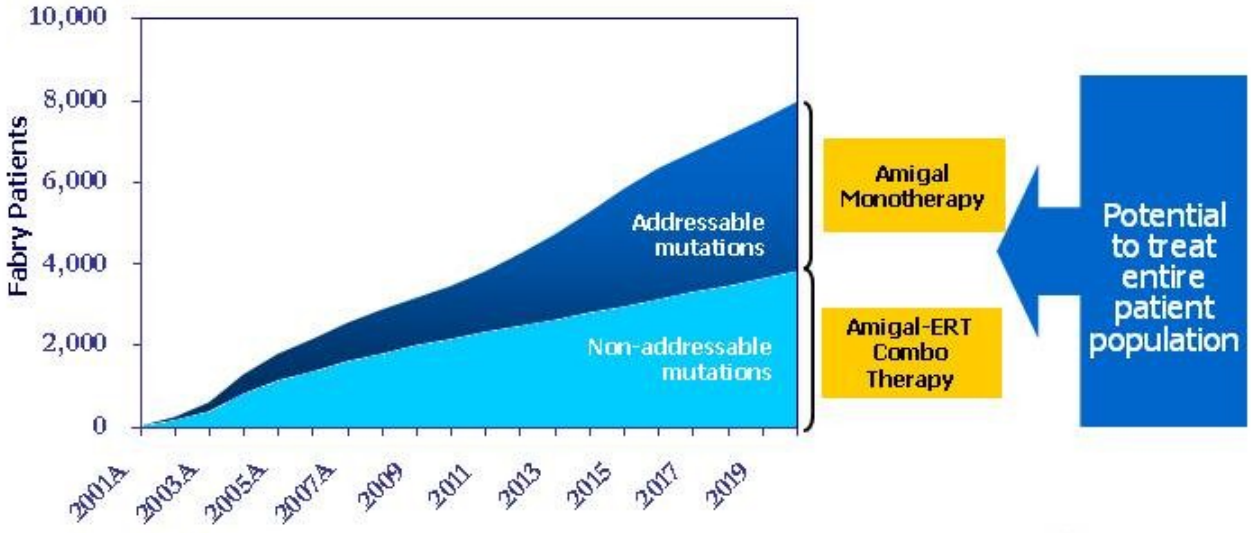
Amigal for Fabry Disease

Treatment options for all patients

Fabry Market (2008) is $670MM+ with 18%+ CAGR



(1) Sales and CAGR based on 2008 company 10Ks; (2) Future market growth extrapolated from JP Morgan, AG Edwards, SG Cowen and Credit Suisse projections through 2010

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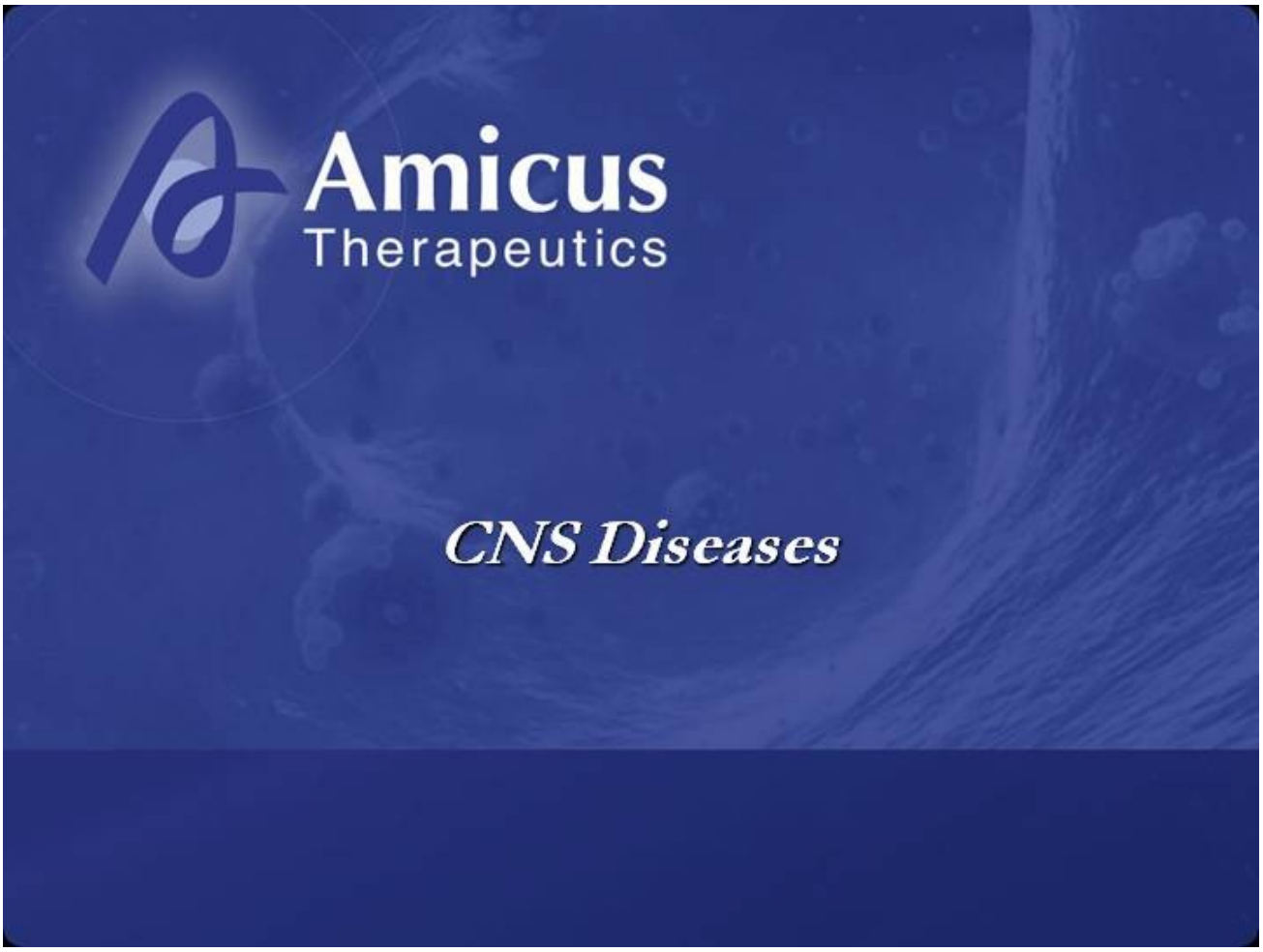
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Therapeutics
CNS Diseases

Parkinson's Disease & Gaucher Disease

An established genetic link

Mutations in the gene (*GBA*) now considered most common genetic risk factor for Parkinson's disease

Multicenter Analysis of Glucocerebrosidase Mutations in Parkinson's Disease

- Gaucher carriers have an estimated 5-fold increased risk for Parkinson's disease
- Multiple independent studies in different populations

THE MICHAEL J. FOX FOUNDATION FOR PARKINSON'S RESEARCH

The New England Journal of Medicine
N Engl J Med 2009;361:1651-61

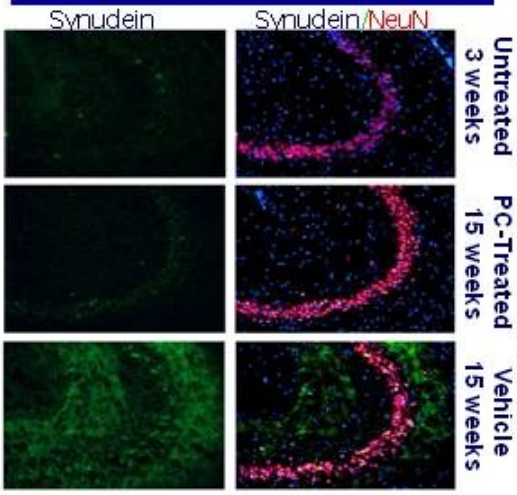
Amicus Therapeutics

Significant Advancements in Parkinson's

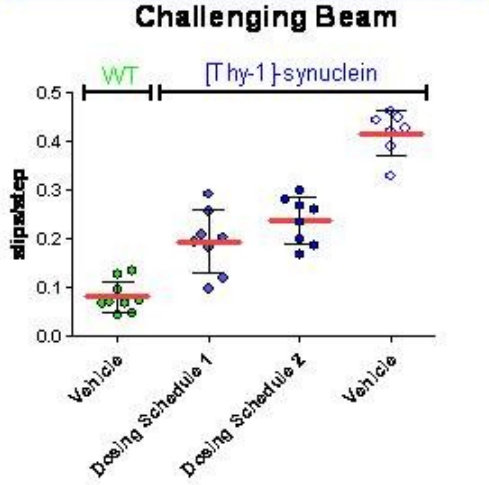
Increasing GCase leads to synuclein reduction

Established proof-of-concept in Parkinson's animal models

Prevention of synuclein accumulation in the brain



Improvement in behavior and motor function



Amicus Therapeutics

Alzheimer's Disease Program
Pharmacological chaperone approach

Apparent link between various lysosomal enzymes and accumulation of β-amyloid and P-Tau deposits in the brain

Sanfilippo syndrome type B, a lysosomal storage disease, is also a tauopathy

- β-amyloid and P-Tau are hallmarks of Alzheimer's disease
- Potential to use pharmacological chaperones to increase activity of target enzymes and decrease β-amyloid and P-tau

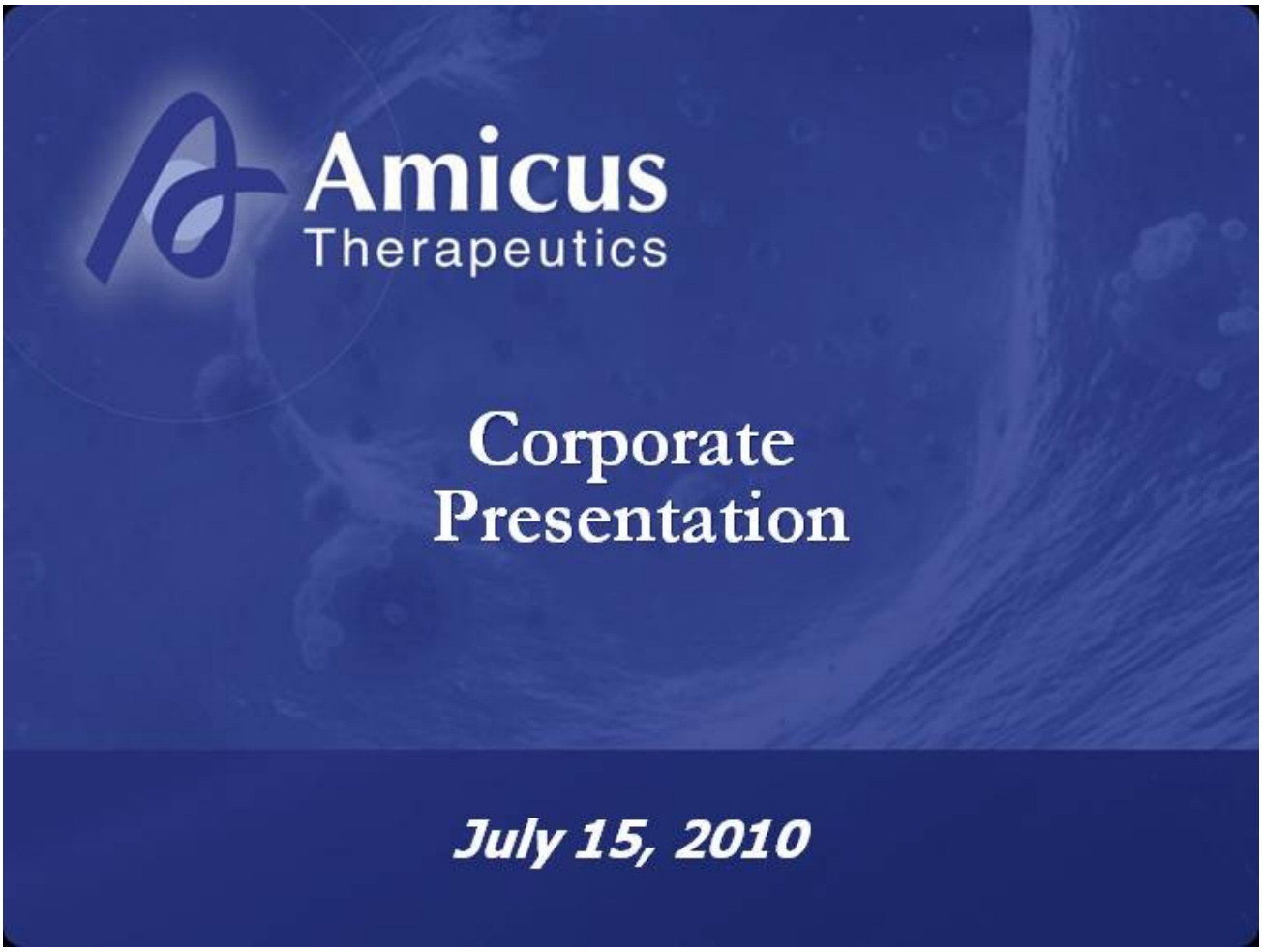
Alzheimer's Drug Discovery Foundation

Proceedings of the National Academy of Science
Proc Natl Acad Sci USA. 2009; 106:8332-7

Amicus Therapeutics

Committed to building shareholder value in 2010

- ✓ Prioritizing execution of Amigal Phase 3 program
- ✓ Focused on rare disease opportunities
- ✓ Exploring multiple strategic partnership opportunities to build on financial strength


Amicus
Therapeutics
Corporate
Presentation
July 15, 2010