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Subject Company: Keryx Biopharmaceuticals, Inc.
Commission File No.: 000-30929
Akebia Therapeutics, Inc.
Commission File No.: 001-36352
Date: November 16, 2018

The presentation below was provided by Akebia Therapeutics, Inc. to certain stockholders ahead of meetings planned for November 16, 2018.









Merger of Akebia Therapeutics, Inc. and Keryx Biopharmaceuticals, Inc.

Creating a Financially Strong Company Focused on the Development and Commercialization of Therapeutics for Patients with Kidney Disease

November 16, 2018

Forward-Looking Statements

These materials contain forward-looking statements within the meaning of the federal securities law. Such statements are based upon current plans, estimates and expectations that are subject to various risks and uncertainties. The inclusion of forward-looking statements should not be regarded as a representation that such plans, estimates and expectations will be achieved. Words such as "anticipate," "cented," "expect," "grojec," "intend," "inger," "aboutil," "inger," "counter," "aboutil," "inger," "aboutil," "inger," "aboutil," "inger," "aboutil," "inger," "aboutil," "inger," "aboutil," "inger," "aboutil," "aboutil,"



Additional Information

About Akebia Therapeutics, Inc.

Akebia Therapeutics, Inc. is a biopharmaceutical company headquartered in Cambridge, Massachusetts, focused on delivering innovative therapies to patients with kidney disease through hypoxia-inducible factor biology. For more information, please visit our website at www.akebia.com, which does not form a part of this

About Keryx Biopharmaceuticals, Inc.

Keryx Biopharmaceuticals, Inc., headquartered in Boston, Massachusetts, is focused on the development and commercialization of innovative medicines that provide unique and meaningful advantages to people with kidney disease. The Keryx team works with passion to advance the care of people with this complex disease. This dedication has resulted in two FDA-approved indications for Keryx's medicine, Auryxia® (ferric citrate) tablets. For more information about Keryx, please visit www.keryx.com.

Additional Information and Where to Find It

In connection with the proposed merger, Akebia has filed with the U.S. Securities and Exchange Commission (the "SEC") a Registration Statement on Form S-4, which, as amended, includes a final prospectus with respect to the shares of Akebia's common stock to be issued in the proposed merger and a definitive joint proxy statement of Keryx and Akebia with respect to the proposed merger. The Registration Statement was declared effective by the SEC on October 30, 2018 and the definitive joint proxy statement was mailed or otherwise made available to Keryx's and Akebia's respective stockholders on October 31, 2018. BEFORE MAKING ANY VOTING DECISION, KERYX'S AND AKEBIA'S RESPECTIVE STOCKHOLDERS ARE URGED TO READ THE JOINT PROXY STATEMENT/PROSPECTUS IN ITS ENTIRETY AND ANY OTHER DOCUMENTS FILED BY EACH OF AKEBIA AND KERYX WITH THE SEC IN CONNECTION WITH THE PROPOSED MERGER OR INCORPORATED BY REFERENCE THEREIN BECAUSE THEY WILL CONTAIN IMPORTANT INFORMATION ABOUT THE PROPOSED TRANSACTION AND THE PROFILED TO THE PROPOSED TRANSACTION and stockholders can obtain a free copy of the joint proxy statement/prospectus and other documents containing important information about Akebia and Keryx, once such documents are filed with the SEC, through the website maintained by the SEC at www.sec.gov. Akebia and Keryx make available free of charge at www.akebia.com and www.keryx.com, respectively (in the "Investors" section), copies of materials they file with, or furnish to, the SEC.

Participants in the Solicitation

Akebia, Keryx and their respective directors, executive officers and certain employees and other persons may be deemed to be participants in the solicitation of proxies from the stockholders of Akebia and Keryx in connection with the proposed merger. Information regarding the interests of such individuals in the proposed merger, by security holdings or otherwise, is included in the joint proxy statement/prospectus relating to the proposed merger that has been filled with the SEC. In addition, security holders may obtain information regarding the names, affiliations and interests of Akebia's directors and officers in Akebia's Annual Report on Form 10-K for the fiscal year ended December 31, 2017, which was filed with the SEC on April 30, 2018, and information regarding the names, affiliations and interests of Keryx's directors and officers in Keryx's Annual Report on Form 10-K for the fiscal year ended December 31, 2017, which was filed with the SEC on Form 10-K for the fiscal year ended December 31, 2017, which was filed with the SEC on Form 10-K for the fiscal year ended December 31, 2017, which was filed with the SEC on Form 10-K for the fiscal year ended December 31, 2017, which was filed with the SEC on April 30, 2018, and its definitive proxy statement for the 2018 annual meeting of stockholders, which was filed with the SEC on May 31, 2018. To the extent the holdings of Akebia securities by Akebia's directors and executive officers or the holdings of Keryx securities by Keryx's directors and executive officers have changed since the amounts set forth in the joint proxy statement/prospectus, such changes have been or will be reflected on Statements of Change in Ownership on Form 4 filed with the SEC. These documents (when available) may be obtained free of charge from the SEC's website at www.sec.gov, Akebia's website at www.akebia.com and Keryx's website at www.keryx.com.

Akebia + KERYX

Proposed Merger Creates a Leader in Kidney Disease Therapeutics



2.2 million

CKD patients in the US with potential to be treated by combined drug portfolio1; US CKD patient population is expected to grow²

\$431 million

Combined cash position³

>\$250 million

Expected cost savings4

- Subject to vadadustat's FDA approval; 1.7mm patients who are non-dialysis dependent and 500,000 dialysis-dependent patients in the United States, across the continuum of CKD; US Census Bureau 2017; NHANES 2009-2014
 United States Renal Data System, https://www.usrds.org/2018/view/v1_01.aspx
 Pro forma cash and cash equivalents (unaudid) as of 9/30/18
 To be realized within five years following closing



Akebia Overview

Business Description

Status: Public (Nasdaq: AKBA)

Headquarters: Cambridge, MA



Employees: ~140

- Clinical stage biopharmaceutical company, focused on the treatment of kidney disease through the biology of hypoxia
- Lead product candidate is vadadustat, an investigational, oral Phase 3 HIF-PHI¹ for anemia due to chronic kidney disease
 - Global, up to ~7,300 patients, active-controlled, open-label, non-inferiority, cardiovascular outcome studies ongoing
 - Top-line results for non-dialysis dependent trials expected mid-20202; top-line results for dialysis dependent trials top-line results expected Q1 20202
 - Collaborations with Otsuka and Mitsubishi Tanabe, and license agreement with Vifor Pharma

Vadadustat Phase 3 Clinical Trials Overview

Non-Dialysis Dependent (NDD)

PRQTECT CORRECTION

Not ESA Treated Vadadustat vs Darbepoetin Alfa **PROTECT** CONVERSION

ESA Treated Vadadustat vs Darbepoetin Alfa

Dialysis Dependent (DD)

INNOVATE CORRECTION

New-Onset Dialysis Vadadustat vs Darbepoetin Alfa INNQVATE CONVERSION

ESA Treated Vadadustat vs Darbepoetin Alfa



Hypoxia Inducible Factor - Prolyl Hydroxylase Inhibitor Subject to major adverse cardiovascular events (MACE)

Keryx Overview

Business Description

Status: Public (Nasdaq: KERX)

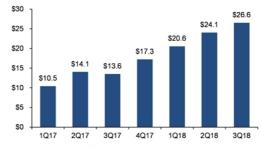
Headquarters: Boston, MA



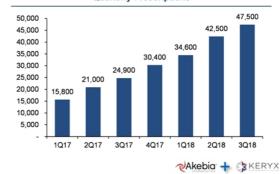
Employees: ~200

- Commercial stage biopharmaceutical company, focused on the treatment of kidney disease
- Markets Auryxia[®] (ferric citrate), an oral, absorbable, ironbased medicine in the US
- In the US, Auryxia is approved by the FDA for two CKDrelated indications: iron deficiency anemia in non-dialysis dependent (NDD) patients and hyperphosphatemia in dialysis dependent (DD) patients
- Marketed in Japan under the trade name Riona® by Japan Tobacco and its subsidiary Torii Pharmaceutical

Quarterly Net Product Sales (\$ in millions)



Quarterly Prescriptions



Sources: FactSet (November 2018), Keryx Biopharmaceuticals, Inc. public filings

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Transaction Summary

Terms	 Stock for stock merger Each share of Keryx common stock to be converted into 0.37433 shares of Akebia common stock
Ownership	 Akebia stockholders to own 49.4% of the pro forma company and Keryx stockholders to own 50.6% (based on fully diluted market capitalizations at signing and additional equity expected to be issued to The Baupost Group)
Cash Position	 Pro forma company had \$431 million of cash and cash equivalents (unaudited) as of September 30, 2018
CEO & Board of Directors	 CEO: John P. Butler (current CEO of Akebia) Board to consist of four Akebia directors; five Keryx directors; and a new independent Chairperson, Adrian Adams, selected by Akebia and Keryx Boards
Closing Conditions	 Subject to approval of Akebia and Keryx stockholders Subject to other customary closing conditions
Voting Agreements	 The Baupost Group, holder of approximately 21% of outstanding Keryx common stock Muneer A. Satter, Chairperson of Akebia's Board and holder of approximately 5% of Akebia common stock
Shareholder Vote and Closing	 Shareholder vote scheduled for December 11, 2018 Closing expected by year end

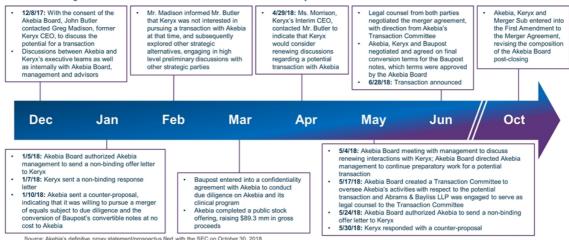
Akebia Board of Directors Unanimously Approved the Transaction

- Transaction was the result of a deliberate, thoughtful process, thorough due diligence, and extensive negotiations that commenced in December 2017
- . Board was fully engaged throughout the process
 - Transaction Committee, consisting of independent directors and advised by separate counsel, oversaw deal process and negotiations
 - Evercore and JP Morgan were engaged and provided fairness opinions to Akebia's Board
- Board believes merger with Keryx represents best opportunity to build shareholder value
 - Strong strategic fit: complementary portfolio, infrastructure and management teams
 - Lowers overall corporate risk inherent to a development-stage biopharmaceutical company
 - Strengthens Akebia financially
 - Auryxia expected to generate positive cash flow, providing internal funding source for Akebia pipeline development and lowering the need for expected future dilution
 - o Potential to lower Akebia cost of capital
 - Expected to increase cash balance and significantly accelerate time to cashflow breakeven
- Every member of Akebia board intends to vote shares in favor of the combination, including Chairperson of Akebia Board, who holds approximately 5% of Akebia's outstanding common stock and entered into a voting agreement

Akebia + KERYX

Rigorous and Objective Process Led by a Highly Engaged Board

- · The Akebia Board met more than 13 times prior to announcement, including in multiple executive sessions
- · The Akebia Transaction Committee met more than 7 times prior to announcement, including in multiple executive sessions
- · Rigorous diligence overseen by the Akebia Transaction Committee and conducted by Akebia management and experienced, internationally recognized independent advisors with extensive experience in similar transactions:
 - · Financial advisors: Evercore and J.P. Morgan
 - · Legal advisor to Akebia: Latham & Watkins LLP
 - · Legal advisor to Akebia Transaction Committee: Abrams & Bayliss LLP



Source: Akebia's definitive proxy statement/prospectus filed with the SEC on October 30, 2018
Note: The events above represent a summary of the background of the merger, please refer to definitive proxy state for the full details nent/prospectus filed with the SEC on October 30, 2018 Akebia 🕂 🔰 KERYX



...and an Experienced and **Independent Transaction Committee**



Scott Canute

Director Since 2016

- 30+ years of experience in biopharmaceutical industry
- Director at Immunomedics, Flexion Therapeutics and Proteon Therapeutics
- Principal & Founder of Magis Consulting, a biopharmaceutical consulting company, since July 2012



Director Since 2014

- 25+ years in medical research
- Director at Anokion and Kanyos Bio
- · President & CEO of Flexion Therapeutics since its inception in 2007
- M.D., UC San Diego



Dr. Michael Clayman Dr. Maxine Gowen Director Since 2014

- · 25+ years in the therapeutics industry
- · Director at Idera Pharmaceuticals and the Biotechnology Innovation Organization
- Former President & CEO of Trevena since she founded the company in
- Ph.D., Cell Biology, University of Sheffield,



Dr. Duane Nash

Director Since 2013

- · 20+ years of medical experience and 15+ years of law and management experience
- · Former director at Aerpio Pharmaceuticals
- President of Vital Therapies
- M.D., Dartmouth; J.D., University of California, Berkeley



Michael Wyzga

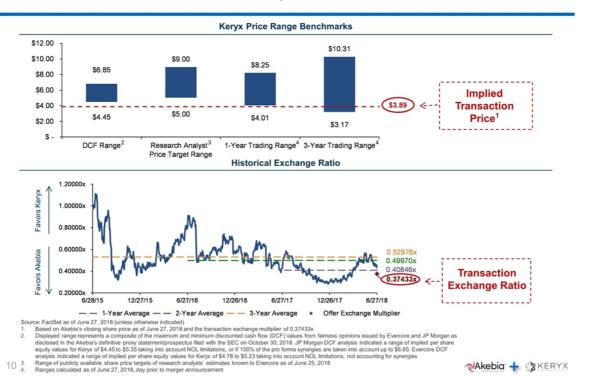
Director Since 2014

- · 20+ years in the biotechnology industry
- · Independent director and biotech consultant at MSW Consulting
- · Director of Idenix Pharmaceuticals. during Merck & Co's acquisition in 2014
- · Former President & CEO, Radius Health

Fully Independent Transaction Committee

Akebia + SKERYX

Transaction Price is Attractive and at the Low End of the Range of Several Key Value Metrics



Strong Strategic and Financial Fit











Portfolio

- A Phase 3, investigational oral drug for anemia due to chronic kidney disease; and other preclinical compounds under development
- Auryxia, an FDA-approved drug in two chronic kidney disease related indications
- · FDA-approved drug generating revenue and late-stage product candidate with long-term growth potential



Cash and Cash **Equivalents**

• \$431 million Pro Forma Cash and Cash Equivalents Position1



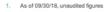
Core Capabilities and Infrastructure

- Successful R&D expertise Global alliances expertise
- · Established US Commercial and Medical infrastructures · Strong reputation in nephrology community
- Fully integrated capabilities to bring novel compounds through development to commercialization



Management and Team

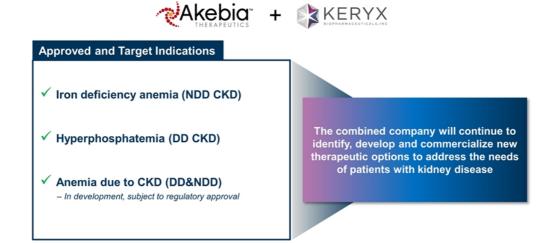
- Successful and wellrespected CEO, CFO and renal leadership team
- ~130 employees within Commercial and Medical ~90 employees within global organizations R&D organization
- · Fully staffed executive and functional teams, with wide range of experience and success







Potential to Deliver Innovative Therapies to Advance Care for Kidney Disease Patients



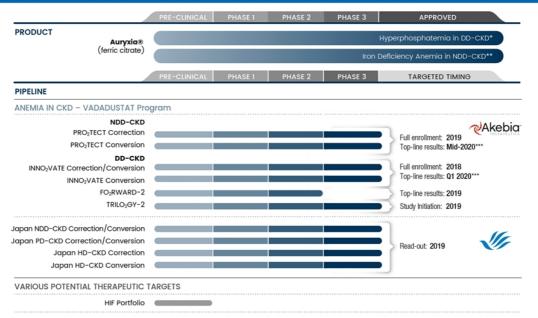
The companies believe that Auryxia and vadadustat, if FDA-approved, have the potential to deliver an all-oral treatment approach for patients with anemia due to CKD

CKD: chronic kidney disease NDD: non-dialysis-dependen





Combined Company Portfolio



Note: NDD-CKD denotes non-dialysis-dependent chronic kidney disease and DD-CKD denotes dialysis-dependent chronic kidney disease.

Akebia 🕂 🗦 KERYX

[&]quot;Auryxia is FDA-approved for chronic kidney disease patients with hyperphosphatemia on dialysis
""Auryxia is FDA-approved for chronic kidney disease patients with iron deficiency anemia (IDA) not on dialysis
"""Subject to the accrual of MACE events



Transaction Has Potential to Enhance Capital Resources and Increase Value for Akebia Shareholders in the Near-, Mid- and Long-Term

Near Term

- Strong pro forma cash and cash equivalent position with \$431 million as of Q3 2018 (unaudited)
- Akebia gains access to FDAapproved renal asset
- Improves company financial risk profile

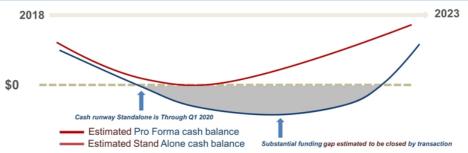
Mid Term

- Auryxia's potential growth expected to fund pro forma operations and cover majority of capital needs beginning in 2020
- Reduces need for future dilution while accelerating cash flow and earnings

Long Term

- Retain vadadustat strong valuecreation potential
- Leverage Keryx's relationships to build launch momentum for vadadustat
- >\$250 million of cost savings expected within 5 years post-closing

Pro Forma Offers Stronger Balance Sheet Potential vs. Standalone Potential¹



1. Definitive Proxy Statement/Prospectus filed by Akebia Therapeutics, Inc. with the U.S. Securities and Exchange Commission on October 30, 2018 (see "The Merger—Certain Akebia Management Unaudited Prospective Financial Information"). These cash balance estimates are unaudited and were based upon Akebia assumptions made in preparation for the June 28, 2018, merger announcement, including assumptions related to timing for clinical trial completion and commercial launch, estimated operational costs, including R8D, manufacturing and general and administrative costs, and estimates of revenue growth for U.S. sales of Auryaia, and have not been updated since that time. Furthermore, these cash balance estimates are not adjusted for a number of critical risks, including the risks and probability of success of vadadustat, delays of any clinical trials or commercial launch, the financial implications of Akebia's collaborations and other relationships with third parties, the recent changes to reimbursement coverage for Auryaia that could have a material adverse effect on Auryaia sales and profitability, and the receipt by Kerpx of a notice letters on October 31, 2018 and November 6, 2018 regarding abbreviated new drug applications submitted to the FDA requesting approval to market, sell and use a generic version of the Auryaia. See the Forward-Looking Statements section herein for additional information regarding risks.



Diverse and Experienced Board Committed to Creating Shareholder Value

- Board will have a mix of current Akebia and Keryx directors, and a new independent Chairperson, Adrian Adams, selected by Akebia and Keryx Boards
- Director backgrounds are diverse and complementary, bringing together commercial experience, renal expertise and financial acumen in addition to public company leadership
- · Directors will have a mix of tenures

Combined Company Board



Continuing Akebia Directors

New Independent Chairperson

Continuing Keryx Directors





Experienced, Highly-Skilled and Diverse Leadership Team



John P. Butler
President &
CEO

- ✓ Former CEO of Inspiration Biopharmaceuticals
- Former Divisional President of Genzyme's renal business
- Currently serves on the Board of Zynerba Pharmaceuticals and formerly served as Chairman of the American Kidney Fund Board of Trustees



Jason A. Amello SVP, CFO & Treasurer

- ✓ Former EVP, CFO & Treasurer of Ziopharm Oncology
- ✓ Former SVP, Corporate Controller and Chief Accounting Officer of Genzyme
- Currently serves on the Board of Acer Therapeutics



Rita Jain, M.D. SVP, Chief Medical Officer

- ✓ Former VP at AbbVie
- ✓ Former Divisional VP at Abbott Laboratories
- Former Senior Assistant Attending at North Shore University Hospital in New York, with academic appointment as Assistant Professor of Medicine at NYU School of Medicine



Karen Tubridy SVP, Chief Development Officer

- Former Chief Development Officer at Eleven Biotherapeutics
- Former SVP, Clinical Development and Medical Affairs at Inspiration Biopharmaceuticals
- ✓ Former Clinical Operations and Regulatory Affairs, Translational Medicine, Alexion Pharmaceuticals



Michel Dahan SVP, Chief Business Officer

- Former Vice President of Commercial Development and Strategic Planning at Inspiration Biopharmaceuticals
- Biopharmaceuticals

 Led Inspiration's global marketing and commercial development for two global launches
- ✓ Former International Product Director at Ipsen



Nicole R. Hadas SVP, General Counsel & Secretary

- ✓ Former SVP & General Counsel at Inspiration Biopharmaceuticals
- ✓ Former Senior Corporate Counsel at Genzyme



Tamara Dillon SVP, Chief Human Resources Officer

- ✓ Former Head of Human Resources at Global Discovery Chemistry
- Former Senior Director of Human Resources at Genzyme

Operational expertise, Relevant Experience, Top Management

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The Transaction Was Well Received by Wall Street Analysts

Morgan Stanley (9/7/18)

"We see logic in the transaction as there should be synergy between the two companies. If vadadustat is able to succeed in its PhIII clinical program, we think the company will be more equipped to manage its potential.

Maxim (8/8/18)

"The merger should provide a complementary portfolio of renal assets for CKD-related morbidities, including the addition of Akebia's P3 asset vadadustat for CKD anemia.

Needham (6/29/18)

"Synergies between the two companies could create a market leader in oral therapeutics for treatment of kidney related anemia."

HCW (8/10/18)

"From Akebia's perspective, the merger offers a highly experienced, readily leveraged marketing and sales infrastructure. We believe this infrastructure should improve the future launch of vadadustat in partnership with Otsuka.

Mizuho (7/2/18)

"We like the merger from a strategic and financial standpoint over time. We believe Keryx and Akebia products are complementary and will provide multiple avenues of value creation for the 'new' Akebia.'

RBC (6/28/18)

"The merger provides Akebia access to an established CKD commercial infrastructure and therefore should realize financial synergies (~\$250 million guided by management within 5yrs), while strengthening the combined entity's balance sheet."

Piper Jaffray (8/8/18)

"We continue to think the deal makes good strategic sense, particularly given physician survey feedback that we think portends well for the Auryxia sales trajectory.'

Ladenburg (6/29/18)

"We view Auryxia and vadadustat as complementary products as Auryxia addresses the IDA and vadadustat has the potential to address the erythropoeitin deficiency in the same CKD patient population.'

BTIG (6/28/18)

"We believe this is a nice strategic move for Akebia. [...] Keryx provides Akebia with a reasonably efficient way to establish a US sales effort as Vadadustat completes P3.

Source: Wall Street Research Note: Permission to use quotes was neither sought nor obtained

Akebia + SKERYX



An Attractive Combination for All Stakeholders



- . Strong strategic and financial fit
 - Complementary portfolio, infrastructure and teams
 - Financial strength due to pro forma cash and cash equivalents position and revenue-generating, FDA-approved
- Unanimous support from independent, experienced Board
 - Thorough diligence and transaction review
 - Chairperson (owner of approximately 5% of Akebia stock) entered into voting agreement in support of transaction
- Strong support from research analysts
- Potential to advance care and improve outcomes for kidney disease patients
 - In the US alone, 2.2 million CKD patients¹, of whom approximately 1.7 million are NDD patients², have the potential to be treated by the combined drug portfolio











