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Form 425

July 11, 2018

Merger of Akebia Therapeutics, Inc. and Keryx Biopharmaceuticals, Inc. Creating a Fully Integrated Company  
Focused on the Development and Commercialization of Therapeutics for Patients with Kidney Disease July 11, 2018  
Filed by Akebia Therapeutics, Inc. Pursuant to Rule 425 under the Securities Act of 1933 Commission File No.:  
001-36352 Subject Company: Keryx Biopharmaceuticals, Inc. Commission File No.: 000-30929 Akebia Therapeutics,  
Inc. Commission File No.: 001-36352 Date: July 11, 2018



place undue reliance on any forward-looking statements. Readers should also carefully review the risk factors described in other documents that Akebia and Keryx file from time to time with the SEC. The forward-looking statements in these materials speak only as of the date of these materials. Except as required by law, Akebia and Keryx assume no obligation to update or revise these forward-looking statements for any reason, even if new information becomes available in the future. 1

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](http://www.akebia.com), which does not form a part of this release. 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 first medicine, Auryxia (ferric citrate) tablets. For more information about Keryx, please visit [www.keryx.com](http://www.keryx.com). Additional Information and Where to Find It In connection with the proposed merger, Akebia Therapeutics and Keryx Biopharmaceuticals plan to file with the SEC and mail or otherwise provide to their respective shareholders a joint proxy statement/prospectus regarding the proposed transaction. BEFORE MAKING ANY VOTING DECISION, AKEBIA'S AND KERYX'S RESPECTIVE shareholders ARE URGED TO READ THE JOINT PROXY STATEMENT/PROSPECTUS IN ITS ENTIRETY WHEN IT BECOMES AVAILABLE 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 PARTIES TO THE PROPOSED TRANSACTION. Investors and shareholders will be able to 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](http://www.sec.gov). Akebia and Keryx make available free of charge at [www.akebia.com](http://www.akebia.com) and [www.keryx.com](http://www.keryx.com), respectively (in the "Investors" section), copies of materials they file with, or furnish to, the SEC. Participants in the Solicitation This document does not constitute a solicitation of proxy, an offer to purchase or a solicitation of an offer to sell any securities. Akebia Therapeutics, Keryx Biopharmaceuticals 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 shareholders of Akebia and Keryx in connection with the proposed merger. 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 March 12, 2018 and its definitive proxy statement for the 2018 annual meeting of shareholders, which was filed with the SEC on April 30, 2018. Security holders may obtain 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 February 21, 2018, and the Amendment No. 1 on Form 10-K/A, which was filed with the SEC on April 30, 2018, and its definitive proxy statement for the 2018 annual meeting of shareholders, which was filed with the SEC on May 31, 2018. To the extent the holdings of Akebia's 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 Akebia's or Keryx's respective proxy statement for its 2018 annual meeting of shareholders, such changes have been or will be reflected on Statements of Change in Ownership on Form 4 filed with the SEC. Additional information regarding the interests of such individuals in the proposed merger will be included in the joint proxy statement/prospectus relating to the proposed merger when it is filed with the SEC. These documents (when available) may be obtained free of charge from the SEC's website at [www.sec.gov](http://www.sec.gov), Akebia's website at [www.akebia.com](http://www.akebia.com) and Keryx's website at [www.keryx.com](http://www.keryx.com).

Fully Integrated, Kidney Disease Therapeutics Company Positioned to Deliver Substantial Value Long Term  
Establishes a Leading Renal Company with Enhanced Position and Large Market Opportunity Creates Potential for  
Accelerated Growth and Organizational Synergies Combines Experienced Renal Management Teams Strengthens  
Financial Profile Potential Cost Savings of >\$250M to Be Realized Five Years Following Closing

Combination Highlights Terms Stock for stock merger Each share of Keryx will be converted into 0.37433 shares of Akebia Ownership Akebia shareholders to own 49.4% of the pro forma company and Keryx shareholders to own 50.6%, on a fully diluted basis Cash Position Pro forma company has \$453M of cash as of March 31, 2018 The Baupost Group, Keryx's largest shareholder, will convert its \$165M convertible bond prior to closing of the transaction; conversion to common will provide financial flexibility CEO & Board of Directors CEO: John P. Butler Chairperson to be appointed by Keryx Closing Conditions Subject to approval of Akebia and Keryx shareholders Subject to other customary closing conditions Voting Agreements The Baupost Group, holder of 21.4% of outstanding Keryx common stock Muneer A. Satter, Chairperson of Akebia's Board of Directors and holder of 5.3% of outstanding Akebia common stock Transaction Close Expected by the end of 2018

Creating a Leader in Kidney Disease Therapies Fully integrated Potential to maximize Auryxia sales Builds launch momentum for vadadustat in the U.S., subject to FDA approval Partner of choice for renal community 1. Hypoxia Inducible Factor - Prolyl Hydroxylase Inhibitor 2. Chronic Kidney Disease 3. Non Dialysis Dependent 4. Dialysis Dependent Products/ Product Candidates Capabilities Leadership R&D infrastructure Strong relationships with renal companies Otsuka, Mitsubishi Tanabe Pharma, Vifor Pharma Experienced renal leadership team Vadadustat, an investigational, oral Phase 3 HIF-PHI1 for anemia due to CKD2 Auryxia® (ferric citrate) approved in two CKD-related indications: iron deficiency anemia in NDD3 patients and hyperphosphatemia in DD4 patients Commercial infrastructure focused on nephrology Strong leaders with long-standing commercial relationships with nephrology community

Renal Portfolio and Scale Create a Well-Positioned Renal Company 0 - \$1B Fully Integrated Development Market Capitalization \$1B - \$10B U.S. Renal Franchises Commercial \$10B+ Renal Competitive Landscape The combined company will have significant financial strength and flexibility with a highly complementary nephrology portfolio



Pro forma cash on hand \$453M as of March 31, 2018 Pro forma funded into Q1 2020, unchanged vs Akebia stand alone Vadadustat brings Phase 3 data catalysts and large revenue opportunity, vs Keryx stand alone Auryxia revenue has the potential to accelerate profitability and reduce capital needs, vs Akebia stand alone Vadadustat R&D funding option1 exercisable in 1H 2019, covering vast majority of Phase 3 cost Financial flexibility following full conversion of \$165M of Baupost debt into common stock Cost synergies expected to start in 2019 and ramp up with launch preparation for vadadustat 1. Describes R&D Funding Option (Otsuka to pay 80% of development costs across its two collaborations with Akebia going forward) Strong Financial Pro Forma Company

Combined Company Has Potential to Address Common Forms of Anemia in CKD CKD STAGE PROGRESSION On Dialysis Common Causes for Anemia Iron Deficiency EPO Insufficiency / Functional Iron Deficiency Therapeutic Approach Iron Supplementation EPO Supplementation or Endogenous EPO Production / Iron Mobilization AURYXIA® is the only oral iron approved in the U.S. for IDA in Non-Dialysis + AURYXIA® is approved in the U.S. for hyperphosphatemia in Dialysis Vadadustat, an oral HIF-PHI investigational product in Phase 3 development, has potential to increase endogenous EPO levels and increase iron mobilization

Auryxia: One Mechanism of Action to Treat Two Common Complications Associated with CKD The ferric iron component binds to dietary phosphate in the GI tract and precipitates as ferric phosphate. This compound is insoluble and excreted in the stool. Phosphate Management Anemia Management The ferric iron/citrate component remains soluble in the GI tract, enabling absorption and transport of the iron and eventual incorporation into hemoglobin. Fe Fe Fe Cit Cit Cit Cit Cit Cit Fe Cit Fe Cit 9

Auryxia: Approved in Two Indications in the U.S.: Iron Deficiency Anemia in Non-Dialysis & Hyperphosphatemia in Dialysis AURYXIA® (ferric citrate) tablets 1 2 An iron replacement product indicated for the treatment of iron deficiency anemia in adult patients with chronic kidney disease not on dialysis A phosphate binder indicated for the control of serum phosphorus levels in adult patients with chronic kidney disease on dialysis AND

More Physicians Prescribing Auryxia Greater Depth of Prescribing Significant Increase in Auryxia Prescriptions  
Auryxia Commercial Progress Yielded >2X Scripts Year-Over-Year >2000 New Auryxia prescribers 34% Increase in  
prescriptions per prescriber 118% Increase in prescriptions (Q1 2018 vs. Q1 2017) \*Source: Keryx data on file based  
on IMS and specialty pharmacy demand data

Snapshot of Increasing Prescription Demand 2 Indications as of 11/17 ~90% of surveyed nephrologists\* are aware of Aurxyia's indication for iron deficiency anemia Majority of surveyed nephrologists\* who have used Auryxia as a treatment for IDA report that they are satisfied with Auryxia Continued growth in hyperphosphatemia while gaining traction in IDA 2018 IDA Launch Highlights: Hyperphosphatemia Only Prescription Demand \*Sources: Spherix Global Anemia 1Q Pulse (2018); aided awareness data

Auryxia Revenue Nearly Doubled Year-Over-Year Broad formulary access with Medicare Part D and commercial insurers Highest Rx market share growth in hyperphosphatemia in the U.S. YTD1 High disease awareness2 and Auryxia differentiation accelerate uptake in IDA Strong momentum accelerating in 2018 \*Sources: 1. Keryx data on file based on IMS and specialty pharmacy demand data 2. Spherix Global Anemia 1Q Pulse (2018); aided awareness data

Significant Growth Potential for Auryxia \*Sources: 1. Keryx data on file based on IMS and specialty pharmacy demand data 2. Spherix Global Anemia 1Q Pulse 2018; aided awareness data 3. Block et. al., A Randomized Trial of the Effects of Ferric Citrate in Patients with Advanced Chronic Kidney Disease; late breaker at ERA, 2018 4. IST = Investigator Sponsor Trial. Funded by Keryx Strong commercial momentum in 2018 Broad formulary access with Medicare Part D and commercial insurers Highest Rx market share growth in hyperphosphatemia in the U.S. YTD 1 High disease awareness 2 and Auryxia differentiation accelerate uptake in IDA Recent ERA-EDTA data 3 Single center, open label, IST 4 compared ferric citrate vs. SOC in 200 pre-dialysis patients Analysis showed an effect on TSAT & ferritin, hemoglobin, serum phosphate, and FGF23 in non-dialysis period Additional growth opportunities driven by portfolio synergies Operational efficiencies including leveraging combined set of relationships and leadership Education about anemia in CKD and development with HIF-PHI opportunities



Vadadustat, an Investigational HIF-PHI, Represents an Innovative Potential Approach to Treatment of Anemia Due to CKD iESAs\*: standard of care for anemia due to CKD for over 20 years iESAs are associated with significant safety concerns: A proportion of NDD patients are not treated with iESAs due to safety and administration considerations1 DD patients rely on iESAs for treatment \*Injectable erythropoiesis-stimulating agents 1. Thamer et. al. Am J Kidney Dis. 2014 Nov; 64(5):706-13, Akebia market research HIF-PHIs represent opportunity for a new class of treatment: Have potential to be oral alternatives to iESAs Rely on the same pathway the body uses to adapt to lower oxygen availability Potential for a differentiated profile

Vadadustat Has Potential to Stimulate Endogenous EPO Production and Mobilize Iron by Inhibiting HIF-PH EPO, erythropoietin; PH, prolyl hydroxylase; RBC, red blood cell. Maxwell PH, Eckardt K-U. HIF prolyl hydroxylase inhibitors for the treatment of renal anemia and beyond. Nat Rev Nephrol. 2015;12(3):157-168. Cells produce HIF constantly EPO production Iron mobilization RBC production Vadadustat is a Phase 3, investigational, oral HIF-PHI that is not approved by the FDA Low oxygen or HIF-PHI (vadadustat) administered Normal oxygen HIF-PH enzyme inhibited HIF is stabilized HIF- HIF- Gene transcription HIF PH enzyme binds with HIF HIF is degraded

Vadadustat Avoided Supra-Physiological EPO Levels Akebia Therapeutics, Inc. Data on File (2010). Data from Phase 1 study in healthy volunteers with vadadustat once daily dosing. Pre-dose EPO concentrations were evaluated on Days 1, 4, 7, 11, 15 and 22. Post-dose data to assess acute rise in EPO following vadadustat dosing was only completed on Day 1 and Day 7 (8 and 16 hours post-dose). Dashed line represents estimated EPO levels based on post-dose data from Day 1 and Day 7. Doshi S et al. Journal of Clinical Pharmacology, 2010;50:75S-90S. Original figure redrawn to depict darbepoetin alfa serum concentration (ng/mL/(mcg/kg)) converted to mIU/mL. Data from 6 clinical studies conducted with extensive PK sampling in CKD patients following subcutaneous (SC) administration of a single dose or first dose of a monthly dosing regimen ranging from 0.4-0.6mcg/kg, dose normalized to 0.45 mcg/kg. EPO vs. Time by Study Median EPO Concentration (mIU/mL) Median EPO Concentration (mIU/mL) Vadadustat (Oral) Phase 1 Study in Healthy Volunteers<sup>1</sup> Darbepoetin Alfa (SC) PK-PD Model in CKD Patients<sup>2</sup> Not a head-to-head comparison Dashed line represents simulated EPO data Vadadustat is a Phase 3, investigational, oral HIF-PHI that is not approved by the FDA

Vadadustat Development Program Informed By Key Unmet Needs In Anemia Due to CKD Unmet Needs Less variability in hemoglobin levels Lower risk of CV events Lower risk of hypertension Efficacy in hyporesponders More convenient dosing for NDD Kaplan-Meier Survival Curves<sup>1</sup> Death, Heart Failure, Stroke, Myocardial Infarction (%) <sup>1</sup> McCullough P.A., et al. Am J Nephrol 2013;37:549-558 (DOI:10.1159/000351175); Permission granted by S. Karger AG, Basel.

Vadadustat Phase 3 Global Development Program Global, ~7,000 patients, active-controlled, open-label, non-inferiority, cardiovascular outcome studies ongoing 17 Phase 1 and Phase 2 trials provide foundation for the Phase 3 program globally Collaborations with Otsuka and Mitsubishi Tanabe Not ESA Treated Vadadustat vs Darbepoetin Alfa ESA Treated Vadadustat vs Darbepoetin Alfa New-Onset Dialysis\* Vadadustat vs Darbepoetin Alfa ESA Treated Vadadustat vs Darbepoetin Alfa \* ≤16 weeks of dialysis treatment, with or without prior ESA treatment Non-Dialysis Dependent (NDD) Dialysis Dependent (DD) Primary Efficacy Endpoint: Change in hemoglobin (Hb) from baseline Primary Safety Endpoint: Major Adverse Cardiovascular Events (MACE) Top-Line Results Expected Q4 2019 to Q1 2020, subject to MACE Top-Line Results Expected Mid-2020, subject to MACE

Upcoming Vadadustat Milestones Include Multiple Data Readouts in 2019, Including From Phase 3 Japan Studies

~\$4B Market<sup>1</sup> Today with Major Growth Opportunity Driven by Potential to Establish New Standard of Care in NDD  
2.2M Patients under Nephrologist Care<sup>2</sup> Patients Dialysis (500K) Non-Dialysis Dependent CKD (1.7M) Auryxia,  
Hyperphosphatemia in DD Auryxia, Iron Deficient Anemia in NDD 1. Company reported US ESA sales 2017 based  
on SEC filings for each ESA company, EvaluatePharma reported phosphate binder sales in the US in 2017, and  
estimated iron sales related to CKD in the US based on EvaluatePharma 2. US Census Bureau 2017; NHANES  
2009-2014 3. Spherix Global Insights – Real World Dynamix - Feb 2018 4. Akebia primary market research, internal  
analysis of chart-based nephrologists surveys (Decision Resources ChartTrends Renal Anemia in ND-CKD, 2014,  
Decision Resources ChartTrends Nephrology in Dialysis, 2015), and management assumptions Less than 20% of  
NDD patients have an optimal response to OTC iron<sup>3</sup> Vadadustat, Anemia Due to CKD in DD & NDD, if approved  
by the FDA 2-3x4 Growth Potential in Anemia in NDD Only 16% of NDD patients are treated with ESAs<sup>3</sup>

Potential to Deliver Innovative Therapies to Advance Care and Improve Outcomes for Kidney Disease Patients Iron deficiency anemia (NDD) – Auryxia Anemia associated with CKD (DD&NDD) – Vadadustat In development, subject to FDA approval Hyperphosphatemia (DD) – Auryxia Approved and Target Indications + The combined company will continue to identify, develop and commercialize new therapeutic options to address the needs of patients with kidney disease



Fully Integrated, Kidney Disease Therapeutics Company Positioned to Deliver Substantial Value Long Term  
Establishes a Leading Renal Company with Enhanced Position and Large Market Opportunity Creates Potential for  
Accelerated Growth and Organizational Synergies Combines Experienced Renal Management Teams Strengthens  
Financial Profile Potential Cost Savings of >\$250M to be Realized Five Years Following Closing