

Shire 2016 Investor Day

November 10, 2016



Opening Remarks

Jeff Poulton, CFO



“Safe Harbor” Statement Under The Private Securities Litigation Reform Act Of 1995

Forward-Looking Statements

Statements included herein that are not historical facts, including without limitation statements concerning future strategy, plans, objectives, expectations and intentions, the anticipated timing of clinical trials and approvals for, and the commercial potential of, inline or pipeline products are forward-looking statements. Such forward-looking statements involve a number of risks and uncertainties and are subject to change at any time. In the event such risks or uncertainties materialize, Shire's results could be materially adversely affected. The risks and uncertainties include, but are not limited to, the following:

- Shire's products may not be a commercial success;
 - increased pricing pressures and limits on patient access as a result of governmental regulations and market developments may affect Shire's future revenues, financial condition and results of operations;
 - Shire conducts its own manufacturing operations for certain of its products and is reliant on third party contract manufacturers to manufacture other products and to provide goods and services. Some of Shire's products or ingredients are only available from a single approved source for manufacture. Any disruption to the supply chain for any of Shire's products may result in Shire being unable to continue marketing or developing a product or may result in Shire being unable to do so on a commercially viable basis for some period of time;
 - the manufacture of Shire's products is subject to extensive oversight by various regulatory agencies. Regulatory approvals or interventions associated with changes to manufacturing sites, ingredients or manufacturing processes could lead to significant delays, an increase in operating costs, lost product sales, an interruption of research activities or the delay of new product launches;
 - certain of Shire's therapies involve lengthy and complex processes, which may prevent Shire from timely responding to market forces and effectively managing its production capacity;
 - Shire has a portfolio of products in various stages of research and development. The successful development of these products is highly uncertain and requires significant expenditures and time, and there is no guarantee that these products will receive regulatory approval;
 - the actions of certain customers could affect Shire's ability to sell or market products profitably. Fluctuations in buying or distribution patterns by such customers can adversely affect Shire's revenues, financial conditions or results of operations;
 - Shire's products and product candidates face substantial competition in the product markets in which it operates, including competition from generics;
 - adverse outcomes in legal matters, tax audits and other disputes, including Shire's ability to enforce and defend patents and other intellectual property rights required for its business, could have a material adverse effect on the combined company's revenues, financial condition or results of operations;
 - inability to successfully compete for highly qualified personnel from other companies and organizations;
 - failure to achieve the strategic objectives with respect to Shire's acquisition of NPS Pharmaceuticals, Inc., Dyax Corp. (“Dyax”) or Baxalta Inc. (“Baxalta”) may adversely affect Shire's financial condition and results of operations;
 - Shire's growth strategy depends in part upon its ability to expand its product portfolio through external collaborations, which, if unsuccessful, may adversely affect the development and sale of its products;
 - a slowdown of global economic growth, or economic instability of countries in which Shire does business, as well as changes in foreign currency exchange rates and interest rates, that adversely impact the availability and cost of credit and customer purchasing and payment patterns, including the collectability of customer accounts receivable;
 - failure of a marketed product to work effectively or if such a product is the cause of adverse side effects could result in damage to the Shire's reputation, the withdrawal of the product and legal action against Shire;
 - investigations or enforcement action by regulatory authorities or law enforcement agencies relating to Shire's activities in the highly regulated markets in which it operates may result in significant legal costs and the payment of substantial compensation or fines;
 - Shire is dependent on information technology and its systems and infrastructure face certain risks, including from service disruptions, the loss of sensitive or confidential information, cyber-attacks and other security breaches or data leakages that could have a material adverse effect on Shire's revenues, financial condition or results of operations;
 - Shire incurred substantial additional indebtedness to finance the Baxalta acquisition, which may decrease its business flexibility and increase borrowing costs;
 - difficulties in integrating Dyax or Baxalta into Shire may lead to the combined company not being able to realize the expected operating efficiencies, cost savings, revenue enhancements, synergies or other benefits at the time anticipated or at all; and
- Other risks and uncertainties detailed from time to time in Shire's filings with the Securities and Exchange Commission, including those risks outlined in “ITEM 1A: Risk Factors” in Shire's Quarterly Report on Form 10-Q for the quarter ended June 30, 2016.
- All forward-looking statements attributable to us or any person acting on our behalf are expressly qualified in their entirety by this cautionary statement. Readers are cautioned not to place undue reliance on these forward-looking statements that speak only as of the date hereof. Except to the extent otherwise required by applicable law, we do not undertake any obligation to update or revise forward-looking statements, whether as a result of new information, future events or otherwise.

Shire is at a key inflection point in its history...

Context for Today

- Momentum towards our long-term strategic aspirations
- Recently completed largest acquisition ever
- Significant new opportunity with leading hematology and immunology franchises
- Numerous near-term catalysts for our exciting late-stage clinical pipeline

The “New” Shire

- THE leading global biotechnology company focused on rare diseases and other highly specialized conditions
- Enhanced profile, with leadership in multiple high-value franchises and industry-leading capabilities
- Strong track-record of commercial excellence and an expanded global footprint
- Commitment to innovation and strong execution driving our robust clinical pipeline of next-generation therapies
- Experienced and disciplined management team with a nimble, performance-driven organization

Investor Day agenda

TIME	TOPIC	SPEAKER
8:00-8:30am	<i>Registration/Breakfast</i>	
8:30-8:35am	Introduction to 2016 Shire Investor Day	Jeff Poulton
8:35-9:00am	Shire's Approach to Innovation	Flemming Ornskov, M.D., MPH
9:00-9:20am	R&D Strategy and Pipeline Transformation	Phil Vickers, Ph.D.
9:20-10:20am	Leadership in Rare Hematology	Kim Stratton Guest Speaker: Michael D. Tarantino, MD
10:20-10:45am	<i>Morning Break</i>	
10:45-11:15am	Leadership in Immunology	Perry Sternberg
11:15-11:45pm	Morning Q&A	Shire Team
11:45-12:30pm	<i>Lunch</i>	
12:30-12:50pm	Pipeline Update: GI programs SHP621 for EoE and SHP647 for IBD	Howard Mayer, M.D.
12:50-1:10pm	Pipeline Update: SHP607 for Complications of Prematurity	Norman Barton, M.D.
1:10-1:30pm	Pipeline Update: SHP620 for CMV in Transplant Patients	Howard Mayer, M.D.
1:30-1:40pm	Pipeline Update: SHP465 for ADHD	Howard Mayer, M.D.
1:40-2:00pm	Pipeline Update: SHP643 for Hereditary Angioedema (HAE)	Wolfram Nothaft, M.D.
2:00-2:30pm	Closing Remarks and Afternoon Q&A	Flemming Ornskov and Shire Team
2:30-3:00pm	<i>Reception</i>	