

## ***New England Journal of Medicine* publishes positive detailed results from Praluent® (alirocumab) cardiovascular outcomes trial**

- \* Praluent significantly reduced major adverse cardiovascular events by 15% ( $p < 0.001$ )
- \* Praluent was associated with a 15% lower risk of death from any cause (hazard ratio [HR] 0.85; 95% confidence interval [CI], 0.73 to 0.98)<sup>1</sup>
- \* Additional analyses, including mortality, to be presented at upcoming American Heart Association Scientific Sessions, November 10–12

**PARIS AND Tarrytown, N.Y. – November 7, 2018** – *The New England Journal of Medicine (NEJM)* today published positive detailed results of the 18,924-patient ODYSSEY OUTCOMES trial.

The trial met its primary endpoint, showing that Praluent® (alirocumab) significantly reduced the risk of major adverse cardiovascular events (MACE) in patients who had suffered an acute coronary syndrome (ACS), which included a heart attack or unstable angina. MACE occurred in 903 patients (9.5%) in the Praluent group and in 1,052 patients (11.1%) in the placebo group (HR 0.85; 95% CI, 0.78 to 0.93;  $p < 0.001$ ).

Death from any cause was less frequent among Praluent-treated patients. Praluent was associated with a 15% lower risk of death; death occurred in 334 (3.5%) patients in the Praluent group and 392 (4.1%) patients in the placebo group (HR 0.85; 95% CI, 0.73 to 0.98).<sup>1</sup>

The *NEJM* publication also includes results for MACE and other secondary endpoints including death, according to subgroups of baseline LDL-C (low-density lipoprotein cholesterol) levels, which are described in detail in the Supplementary Appendix. The data showed that patients with higher LDL-C at baseline (at least 100 mg/dL) were at greater risk of MACE, as well as other secondary endpoints including death. Moreover, the greater risk-reduction occurred in this category of patients: in the Praluent group MACE was reduced by 24% (HR 0.76; 95% CI, 0.65 to 0.87) and death from any cause was 29% lower (HR 0.71; 95% CI, 0.56 to 0.90) compared to placebo.<sup>2</sup>

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<sup>1</sup>Analyses for the death endpoints in the overall study fell outside of the statistical hierarchy; and in accordance with recently implemented *NEJM* policies, the hazard ratio (HR) and its confidence interval (CI) were published, but no P-values were reported.

<sup>2</sup>Analyses of the death endpoint based on baseline LDL-C levels were not included in the statistical hierarchy; and in accordance with recently implemented *NEJM* policies, the hazard ratio (HR) and its confidence interval (CI) were published, but no P-values were reported.

Adverse events were similar between groups except for injection site reactions (Praluent 3.8%, placebo 2.1%).

Results of the ODYSSEY OUTCOMES trial were [presented](#) at the American College of Cardiology's 67th Annual Scientific Session & Expo in March 2018. Additional analyses, including mortality, will be presented later this week at the American Heart Association Scientific Sessions 2018.

*“Despite the use of statins, many patients with coronary heart disease go on to have recurrent cardiovascular events, underscoring the need for additional treatment options. This need is particularly urgent among patients with acute coronary syndrome and LDL-C levels that remain high despite best possible application of statin therapy,” said Dr. Gregory G. Schwartz, M.D., Ph.D., University of Colorado School of Medicine, Aurora, CO, and co-chair of the trial. “These data in the New England Journal of Medicine show that adding alirocumab to intensive or maximum tolerated statin treatment significantly reduced the risk of future cardiovascular events. This benefit was heightened among study patients with higher LDL-C levels at baseline.”*

The effect of Praluent on cardiovascular morbidity and mortality is currently being reviewed by regulatory authorities and has not yet been fully evaluated. Data from the ODYSSEY OUTCOMES trial has been submitted to regulatory authorities in the European Union and in the U.S., where the target action date for the Food and Drug Administration (FDA) decision is April 28, 2019.

Click [here](#) for additional information on the ODYSSEY OUTCOMES trial and Praluent.

#### **About Regeneron Pharmaceuticals, Inc.**

Regeneron (NASDAQ: REGN) is a leading biotechnology company that invents life-transforming medicines for people with serious diseases. Founded and led by physician-scientists for 30 years, our unique ability to repeatedly and consistently translate science into medicine has led to six FDA-approved treatments and over a dozen product candidates, all of which were homegrown in our laboratories. Our medicines and pipeline are designed to help patients with eye disease, heart disease, allergic and inflammatory diseases, pain, cancer, infectious diseases and rare diseases.

Regeneron is accelerating and improving the traditional drug development process through its proprietary VelociSuite® technologies, including VelocImmune® to yield optimized fully-human antibodies, and ambitious initiatives such as the Regeneron Genetics Center, one of the largest genetics sequencing efforts in the world.

For additional information about the company, please visit [www.regeneron.com](http://www.regeneron.com) or follow @Regeneron on Twitter.

#### **About Sanofi**

Sanofi is dedicated to supporting people through their health challenges. We are a global biopharmaceutical company focused on human health. We prevent illness with vaccines, provide

innovative treatments to fight pain and ease suffering. We stand by the few who suffer from rare diseases and the millions with long-term chronic conditions.

With more than 100,000 people in 100 countries, Sanofi is transforming scientific innovation into healthcare solutions around the globe.

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#### **Sanofi Forward-Looking Statements**

*This press release contains forward-looking statements as defined in the Private Securities Litigation Reform Act of 1995, as amended. Forward-looking statements are statements that are not historical facts. These statements include projections and estimates and their underlying assumptions, statements regarding plans, objectives, intentions and expectations with respect to future financial results, events, operations, services, product development and potential, and statements regarding future performance. Forward-looking statements are generally identified by the words “expects”, “anticipates”, “believes”, “intends”, “estimates”, “plans” and similar expressions. Although Sanofi’s management believes that the expectations reflected in such forward-looking statements are reasonable, investors are cautioned that forward-looking information and statements are subject to various risks and uncertainties, many of which are difficult to predict and generally beyond the control of Sanofi, that could cause actual results and developments to differ materially from those expressed in, or implied or projected by, the forward-looking information and statements. These risks and uncertainties include among other things, the uncertainties inherent in research and development, future clinical data and analysis, including post marketing, decisions by regulatory authorities, such as the FDA or the EMA, regarding whether and when to approve any drug, device or biological application that may be filed for any such product candidates as well as their decisions regarding labelling and other matters that could affect the availability or commercial potential of such product candidates, the absence of guarantee that the product candidates if approved will be commercially successful, the future approval and commercial success of therapeutic alternatives, Sanofi’s ability to benefit from external growth opportunities, to complete related transactions and/or obtain regulatory clearances, risks associated with intellectual property and any related pending or future litigation and the ultimate outcome of such litigation, trends in exchange rates and prevailing interest rates, volatile economic conditions, the impact of cost containment initiatives and subsequent changes thereto, the average number of shares outstanding as well as those discussed or identified in the public filings with the SEC and the AMF made by Sanofi, including those listed under “Risk Factors” and “Cautionary Statement Regarding Forward-Looking Statements” in Sanofi’s annual report on Form 20-F for the year ended December 31, 2017. Other than as required by applicable law, Sanofi does not undertake any obligation to update or revise any forward-looking information or statements.*

#### **Regeneron Forward-Looking Statements and Use of Digital Media**

*This press release includes forward-looking statements that involve risks and uncertainties relating to future events and the future performance of Regeneron Pharmaceuticals, Inc. (“Regeneron” or the “Company”), and actual events or results may differ materially from these forward-looking statements. Words such as “anticipate,” “expect,” “intend,” “plan,” “believe,” “seek,” “estimate,” variations of such words, and similar expressions are intended to identify such forward-looking statements, although not all forward-looking statements contain these identifying words. These statements concern, and these risks and uncertainties include, among others, the nature, timing, and possible success and therapeutic applications of Regeneron’s products, product candidates, and research and clinical programs now underway or planned, including without limitation Praluent® (alirocumab) Injection; the likelihood, timing, and scope of possible regulatory approval and commercial launch of Regeneron’s late-stage product candidates and new indications for marketed products, such as the potential regulatory approval of the update to the prescribing information for Praluent referenced in this press release; whether the proposed update to the prescribing information for Praluent referenced in this press release will be acceptable to the relevant regulatory authorities and result in any changes to such prescribing information; unforeseen safety issues resulting from the administration of products and product candidates in patients, including serious complications or side effects in connection with the use of Regeneron’s product candidates in clinical trials; the extent to which the results from the research and development programs conducted by Regeneron or its collaborators may be replicated in other studies and lead to therapeutic applications; ongoing regulatory obligations and oversight impacting Regeneron’s marketed products (such as Praluent), research and clinical programs, and business, including those relating to patient privacy; determinations by regulatory and administrative governmental authorities which may delay or restrict Regeneron’s ability to continue to develop or commercialize Regeneron’s products and product candidates, including without limitation Praluent; competing drugs and product candidates that may be superior to Regeneron’s products and product candidates; uncertainty of market acceptance and commercial success of Regeneron’s products and product candidates and the impact of studies (whether*

conducted by Regeneron or others and whether mandated or voluntary) on the commercial success of Regeneron's products and product candidates; the ability of Regeneron to manufacture and manage supply chains for multiple products and product candidates; the ability of Regeneron's collaborators, suppliers, or other third parties to perform filling, finishing, packaging, labeling, distribution, and other steps related to Regeneron's products and product candidates; the availability and extent of reimbursement of the Company's products (such as Praluent) from third-party payers, including private payer healthcare and insurance programs, health maintenance organizations, pharmacy benefit management companies, and government programs such as Medicare and Medicaid; coverage and reimbursement determinations by such payers and new policies and procedures adopted by such payers; unanticipated expenses; the costs of developing, producing, and selling products; the ability of Regeneron to meet any of its financial projections or guidance and changes to the assumptions underlying those projections or guidance; the potential for any license or collaboration agreement, including Regeneron's agreements with Sanofi, Bayer, and Teva Pharmaceutical Industries Ltd. (or their respective affiliated companies, as applicable), to be cancelled or terminated without any further product success; and risks associated with intellectual property of other parties and pending or future litigation relating thereto, including without limitation the patent litigation proceedings relating to EYLEA® (afibercept) Injection, Dupixent® (dupilumab) Injection, and Praluent, the ultimate outcome of any such litigation proceedings, and the impact any of the foregoing may have on Regeneron's business, prospects, operating results, and financial condition. A more complete description of these and other material risks can be found in Regeneron's filings with the U.S. Securities and Exchange Commission, including its Form 10-Q for the quarterly period ended September 30, 2018. Any forward-looking statements are made based on management's current beliefs and judgment, and the reader is cautioned not to rely on any forward-looking statements made by Regeneron. Regeneron does not undertake any obligation to update publicly any forward-looking statement, including without limitation any financial projection or guidance, whether as a result of new information, future events, or otherwise.

Regeneron uses its media and investor relations website and social media outlets to publish important information about the Company, including information that may be deemed material to investors. Financial and other information about Regeneron is routinely posted and is accessible on Regeneron's media and investor relations website (<http://newsroom.regeneron.com>) and its Twitter feed (<http://twitter.com/regeneron>).