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Pfizer Vaccines Launches Global Centers of Excellence Network to Conduct Real-World Research on Vaccine-Preventable Diseases Affecting Adults

Thursday, January 23, 2020 - 10:00am

University of Louisville Named First Center of Excellence

NEW YORK--(BUSINESS WIRE)-- Pfizer Inc. (NYSE: PFE) announced today the launch of its Vaccines Division's Centers of Excellence Network, a global program of collaborations with academic institutions to conduct real-world epidemiologic research to accurately identify and measure the burden of specific vaccine-preventable diseases and potentially evaluate vaccine effectiveness affecting adults. Pfizer Vaccines has designated the University of Louisville as its first Center of Excellence with a second global center anticipated in the first half of 2020.

"The Centers of Excellence will complete comprehensive, disease surveillance and real-world vaccine effectiveness studies, which are distinctly different from clinical safety and efficacy research," said Luis Jodar, Pfizer Vaccines, Chief Medical and Scientific Affairs Officer. "With strategically located research centers around the world, we anticipate being able to better define and understand global disease burden in adults and vaccine effectiveness, which will help provide robust evidence to national policymakers and health officials who develop recommendations for the use of vaccines in immunization programs worldwide."

As Pfizer's first Center of Excellence site, the University of Louisville will initially conduct two separate, large population-based epidemiological studies in adults: a one-year study of the incidence of infectious diarrhea with funding provided by Pfizer up to $6.5 million and a one-year study of the incidence of pneumonia with funding provided by Pfizer up to $4.5 million.

"It is very difficult to find a city where all the health care institutions are collaborating in research, and Pfizer recognized there was something different happening in Louisville, Kentucky. Because of our unique citywide collaborations, when we measure the incidence of disease in Louisville, you can extrapolate and say if this disease happens this often in Louisville, we can then say this is the incidence in the United States. This becomes very important as we are trying to study disease and develop new interventions," said Julio Ramirez, Chief of UofL Infectious Diseases and Center Director. "To develop a vaccine, it is important to understand the overall population burden of disease that the vaccine is going to prevent: How common is this illness? Who are the patients that are at higher risk? These are the questions we will be addressing with the types of studies we are going to be doing in Louisville, Kentucky."

"Well-conducted epidemiological surveillance in adults is a critical component to understanding the effect that direct vaccination may have in reducing the cases and consequences of infectious diseases. In contrast to the well-established surveillance systems developed for pediatric immunization programs, surveillance systems in

adults are less developed and disease burden data estimates are less precise," said Nanette Cocero, Pfizer Vaccines Global President. "With a growing aging population around the world, we're committed to further understanding how direct vaccination of adults may potentially help prevent certain infectious diseases."

Pfizer Vaccines is currently planning to establish a few additional Centers of Excellence for epidemiological research strategically located around the world in the coming years.

"By collaborating with local, academic institutions we are leveraging the expertise of world-class partners who have the proven capability to conduct research that can inform much-needed public health discussions," added Cocero.

Pfizer Inc.: Breakthroughs that change patients' lives

At Pfizer, we apply science and our global resources to bring therapies to people that extend and significantly improve their lives. We strive to set the standard for quality, safety and value in the discovery, development and manufacture of health care products, including innovative medicines and vaccines. Every day, Pfizer colleagues work across developed and emerging markets to advance wellness, prevention, treatments and cures that challenge the most feared diseases of our time. Consistent with our responsibility as one of the world's premier innovative biopharmaceutical companies, we collaborate with health care providers, governments and local communities to support and expand access to reliable, affordable health care around the world. For more than 150 years, we have worked to make a difference for all who rely on us. We routinely post information that may be important to investors on our website at www.pfizer.com. In addition, to learn more, please visit us on www.pfizer.com and follow us on Twitter at @Pfizer and @Pfizer_News, LinkedIn, YouTube and like us on Facebook at Facebook.com/Pfizer.

PFIZER DISCLOSURE NOTICE: The information contained in this release is as of January 23, 2020. Pfizer assumes no obligation to update forward-looking statements contained in this release as the result of new information or future events or developments.

This release contains forward-looking information about the launch of Pfizer Vaccines Division's Centers of Excellence Network, a global program of collaborations with academic institutions to conduct real-world epidemiologic research, including its potential benefits, that involves substantial risks and uncertainties that could cause actual results to differ materially from those expressed or implied by such statements. Risks and uncertainties include, among other things, uncertainties regarding the potential benefits of the Centers of Excellence Network; the uncertainties inherent in research and development, including the ability to meet anticipated clinical endpoints, commencement and/or completion dates for our clinical trials, regulatory submission dates, regulatory approval dates and/or launch dates, as well as the possibility of unfavorable new clinical data and further analyses of existing clinical data; the risk that clinical trial data are subject to differing interpretations and assessments by regulatory authorities; whether regulatory authorities will be satisfied with the design of and results from our clinical studies; whether and when applications for any potential vaccine candidates may be filed in any jurisdictions; whether and when regulatory authorities in any jurisdictions may approve any such applications, which will depend on myriad factors, including making a determination as to whether the product's benefits outweigh its known risks and determination of the product's efficacy and, if approved, whether any such potential vaccine candidates will be commercially successful; decisions by regulatory authorities impacting labeling, manufacturing processes, safety and/or other matters that could affect the availability or commercial potential of any such drug candidates; and competitive developments.

A further description of risks and uncertainties can be found in Pfizer's Annual Report on Form 10-K for the fiscal year ended December 31, 2018 and in its subsequent reports on Form 10-Q, including in the sections thereof captioned "Risk Factors" and "Forward-Looking Information and Factors That May Affect Future

Results," as well as in its subsequent reports on Form 8-K, all of which are filed with the U.S. Securities and Exchange Commission and available at www.sec.gov and www.pfizer.com.

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Source: Pfizer Inc.