



Johnson & Johnson Announces Collaboration with the Beth Israel Deaconess Medical Center to Accelerate COVID-19 Vaccine Development

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Research well underway as Janssen scientists collaborate with leading virology laboratory led by Dan Barouch, M.D., Ph.D.

NEW BRUNSWICK, N.J., March 13, 2020 /PRNewswire/ -- Johnson & Johnson (NYSE: JNJ) today announced that its Janssen Pharmaceutical Companies have entered a collaboration with the Beth Israel Deaconess Medical Center (BIDMC) to support the development of a preventive vaccine candidate for COVID-19. The parties have commenced preclinical testing of multiple vaccine prospects, with the aim to identify by the end of the month a COVID-19 vaccine candidate for clinical trials.

Janssen is optimistic that, in collaboration with multiple global strategic partners, it can initiate a Phase 1 clinical study of a potential vaccine candidate by the end of the year. In parallel to these efforts, Janssen is preparing to upscale production and manufacturing capacities to levels required to meet global public health vaccination needs.

"It is critical to work with the best scientific minds as we look to rapidly identify and develop solutions to the COVID-19 outbreak," said Paul Stoffels, M.D., Vice Chairman of the Executive Committee and Chief Scientific Officer, Johnson & Johnson. "We are grateful for talented and experienced collaboration partners like Dan Barouch and his team at BIDMC. By mobilizing our collective resources, we believe we can leverage the top science and cutting-edge capabilities to respond to this pandemic."

Janssen's vaccine program will use the Janssen [AdVac[®]](#) and [PER.C6[®]](#) technologies that provide the ability to rapidly upscale production of an optimal vaccine candidate. The company is leveraging its proven vaccine technology that it is also using to develop its investigational Ebola (which also utilizes its MVA-BN[®] technology), Zika, RSV and HIV vaccines. Research and collaboration on preclinical work for our Zika and HIV vaccine candidates at the Center for Virology and Vaccine Research at Beth Israel Deaconess Medical Center was foundational to developing these vaccines.

Dan Barouch, M.D., Ph.D., Director of the Center for Virology and Vaccine Research at BIDMC and the Ragon Institute, stated, "We are currently evaluating a series of potential vaccine candidates for COVID-19. This collaboration with Janssen is aimed at the development of a COVID-19 vaccine that would allow for rapid development, large-scale manufacturing, and global delivery."

Dr. Barouch's team is well-known for their work on the pathogenesis and immunology of viral infections and the development of vaccine strategies for global infectious diseases.

Johnson & Johnson's efforts to expedite development and production of a vaccine are enhanced by the existing [COVID-19 vaccine collaborations](#) between Janssen and the Biomedical Advanced Research and Development Authority (BARDA), part of the Office of the Assistant Secretary for Preparedness and Response (ASPR) at the U.S. Department of Health & Human Services.

In addition to Janssen's efforts to develop a vaccine candidate, the Company is working closely with global strategic partners to screen its library of antiviral molecules to accelerate the discovery of potential COVID-19 treatments and provide relief for people around the world.

For more information on Johnson & Johnson's [multipronged response](#) to identifying critical solutions to the COVID-19 outbreak, please visit: www.jnj.com/coronavirus.

About Johnson & Johnson

At Johnson & Johnson, we believe good health is the foundation of vibrant lives, thriving communities and forward progress. That's why for more than 130 years, we have aimed to keep people well at every age and every stage of life. Today, as the world's largest and most broadly-based healthcare company, we are committed to using our reach and size for good. We strive to improve access and affordability, create healthier communities, and put a healthy mind, body and environment within reach of everyone, everywhere. We are blending our heart, science and ingenuity to profoundly change the trajectory of health for humanity. Learn more at www.jnj.com. Follow us at [@JNJNews](#).

About the Janssen Pharmaceutical Companies

At Janssen, we're creating a future where disease is a thing of the past. We're the Pharmaceutical Companies of Johnson & Johnson, working tirelessly to make that future a reality for patients everywhere by fighting sickness with science, improving access with ingenuity, and healing hopelessness with heart. We focus on areas of medicine where we can make the biggest difference: Cardiovascular & Metabolism, Immunology, Infectious Diseases & Vaccines, Neuroscience, Oncology, and Pulmonary Hypertension. Learn more at www.janssen.com. Follow us at [@JanssenGlobal](#).

Notice to Investors Concerning Forward-Looking Statements

This press release contains "forward-looking statements" as defined in the Private Securities Litigation Reform Act of 1995 regarding darunavir/cobicistat and development of potential preventive and treatment regimens for COVID-19. The reader is cautioned not to rely on these forward-looking statements. These statements are based on current expectations of future events. If underlying assumptions prove inaccurate or known or unknown risks or uncertainties materialize, actual results could vary materially from the expectations and projections of the Janssen Pharmaceutical Companies and/or Johnson & Johnson. Risks and uncertainties include, but are not limited to: challenges and uncertainties inherent in product research and development, including the uncertainty of clinical success and of obtaining regulatory approvals; uncertainty of commercial success; manufacturing difficulties and delays; competition, including technological advances, new products and patents attained by competitors; challenges to patents; product efficacy or safety concerns resulting in product recalls or regulatory action; changes in behavior and spending patterns of purchasers of health care products and services; changes to applicable laws and regulations, including global health care reforms; and trends toward health care cost containment. A further list and descriptions of these risks, uncertainties and other factors can be found in Johnson & Johnson's

Annual Report on Form 10-K for the fiscal year ended December 29, 2019, including in the sections captioned "Cautionary Note Regarding Forward-Looking Statements" and "Item 1A. Risk Factors," and in the company's most recently filed Quarterly Report on Form 10-Q, and the company's subsequent filings with the Securities and Exchange Commission. Copies of these filings are available online at www.sec.gov, www.jnj.com or on request from Johnson & Johnson. None of the Janssen Pharmaceutical Companies nor Johnson & Johnson undertakes to update any forward-looking statement as a result of new information or future events or developments.



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