



FOR IMMEDIATE RELEASE

PPD Expands Nephrology Capabilities Through Collaboration With Frenova

New relationship enhances ability to leverage therapeutic expertise, data access, study startup times

WILMINGTON, N.C. (February 22, 2017) – Pharmaceutical Product Development, LLC ([PPD](#)), a leading global contract research organization (CRO), today announced that it has entered into a collaboration with [Frenova Renal Research](#), a leading drug and medical device contract clinical development services provider dedicated exclusively to renal research.

“The opportunity to collaborate with Frenova enhances our ability to connect our clients with researchers recognized as world leaders in the field of nephrology and further strengthens our industry-leading global site and patient capabilities by helping to deliver seamless access to patients, sites and data sources,” said Ulrich Zoeller, vice president, project management, general medicine for PPD. “Frenova’s access to more than two-thirds of all U.S. nephrology patients, coupled with the breadth of its resources and experience in renal research, will enable PPD to continue to build on its already strong presence in nephrology trials.”

As part of Fresenius Medical Care North America (FMCNA) – a leading provider of kidney care products and services, and a network of more than 2,200 dialysis centers nationwide – Frenova maintains a world-class network of resources encompassing 260 research sites with 450 principal investigators and access to more than 183,000 active ESRD patients and 390,000 active CKD patients.

The breadth and depth of Frenova’s data access is rooted in FMCNA’s unmatched ability to gather and analyze immense amounts of patient data from within the company’s own care ecosystem. The company has collected data on more than 1 million patients, including data on more than 250 million dialysis treatments, more than 1 billion medication administrations and more than 1 billion laboratory results.

“Our collaboration with PPD expands the reach of our nephrology experts and broadens the impact of our invaluable treatment data in clinical trials,” said Kurt Mussina, general manager, Frenova. “We are pleased to join forces with PPD through our shared commitment of improving the lives of patients living with kidney disease, around the world, through the advancement of renal research.”

Through this relationship, PPD will offer its clients the therapeutic expertise of Frenova’s global nephrology experts, as well as access to F1RST Up™ (Frenova Rapid STart Up), Frenova’s exclusive alliance of research sites designed to streamline, initiate and enroll clinical studies dramatically faster than industry norms with just-in-time patient recruitment.

Frenova is active in more than 260 sites across the United States, 15 of which are the proprietary F1RST Up sites with a strong track record of patient recruitment and retention. The F1RST Up sites use coordinated research processes that enable faster site startup and streamlined study execution.

About PPD

PPD is a leading global [contract research organization](#) providing comprehensive, integrated [drug development](#), [laboratory](#) and lifecycle management services. Our clients and partners include

[pharmaceutical](#), [biotechnology](#), [medical device](#), academic and [government](#) organizations. With offices in 47 countries and more than 18,500 professionals worldwide, PPD applies innovative technologies, therapeutic expertise and a firm commitment to quality to help clients and partners bend the cost and time curve of drug development to deliver life-changing therapies that improve health. For more information, visit www.ppd.com.

About Frenova Renal Research

Frenova is the world's only drug and medical device contract clinical development services provider dedicated exclusively to renal research. As a [Fresenius Medical Care North America](#) company, Frenova manages a networked system of clinical research assets and resources including 450 principal investigators and 260 research sites with clinical trials in kidney disease and its adjacent medical conditions. For more information, visit www.FrenovaRenalResearch.com.

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PPD Forward-looking Statement

Except for historical information, all of the statements, expectations and assumptions, including statements, expectations and assumptions about the collaboration with Frenova, contained in this news release are forward-looking statements that involve a number of risks and uncertainties. Although PPD attempts to be accurate in making these forward-looking statements, it is possible that future circumstances might differ from the assumptions on which such statements are based and could cause actual results to differ materially from the forward-looking statements. Other important factors that could cause future results to differ materially include the following: risks associated with and dependence on strategic relationships; rapid technological advances that make our services or capabilities less competitive; the ability to attract, integrate, retain and train key personnel; competition in the outsourcing industry; compliance with drug development regulations; changes in the regulation of the drug development process; PPD's ability to win new business; overall global economic conditions; economic conditions, research and development spending, and outsourcing trends in the pharmaceutical, biotechnology and government-sponsored research sectors; consolidation in the pharmaceutical and biotechnology industries; loss, delay or modification of large contracts; higher-than-expected cancellation rates; the rate of conversion of backlog into revenue; actual operating performance; risks associated with acquisitions and investments; and the ability to control SG&A spending. PPD assumes no obligation and expressly disclaims any duty to update these forward-looking statements in the future, except as required by applicable law. These forward-looking statements should not be relied upon as representing PPD's estimates or views as of any date subsequent to the date hereof.

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