

PPD'S LABORATORY SERVICES



CASE STUDY

Patient-centric Remote Enrollment Model Eases Enrollment Challenges in Lactation Study

PPD

BACKGROUND
PPD conducted a multicenter, post-market study to evaluate transfer of drug into breast milk for treatment for Crohn's or rheumatoid arthritis.

OBJECTIVE
We needed to identify and enroll breast-feeding patients to evaluate if the injectable drug passed into breast milk. Study data from the study would better inform treatment for women planning for pregnancy and lactation.

CHALLENGES
Enrollment criteria for the study presented challenges because a small number of patients in the U.S. currently breast-feed and tailoring the study to a sufficient patient population to evaluate the traditional approach of establishing a site in America and transporting eligible subjects was also not a feasible solution. Potential challenges included prolonged specimen collection which would not be possible.

STRATEGY
Patient-centric Remote Enrollment
To enroll interested patients located worldwide, PPD implemented a patient-centric remote enrollment model that allows North American subjects not close to the study site to participate.

To develop this enrollment model, a central laboratory was used to identify eligible patients. A central laboratory (PCC) worked on the enrollment process to inform the patients and the investigator. The investigator informed the patients. The investigator informed the patients. The investigator informed the patients.

HELPING DELIVER LIFE-CHANGING THERAPIES

SELLING SHEET

DMC Outsourcing Services

PPD

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WHITEPAPER

PPD



Partnering with PPD's Biometrics Teams in a Functional Service Partnership (FSP) Model

- Protocol review and familiarization
- Generation of figures (TLX, systems/S, data and prov
- Preparation of DMC meeting materials of minutes
- Maintenance of DMC meeting materials
- Monthly correspondence

- PHOTOGRAPHY
- GRAPHIC DESIGN
- PRINT
- INFOGRAPHICS
- DEVELOP SOLUTIONS
- BRAINSTORMING
- BRANDING
- CREATIVE PROCESS
- WEB DEVELOPMENT
- REVIEW
- WEB DESIGN
- PROJECTS
- LOGO DESIGN
- BRIEF
- TEMPLATES
- INSPIRATION

Kristen Smith PORTFOLIO

Senior Graphic Designer and Project Manager — Building Corporate In-House Career at PPD

Project Management Style Guide Maintenance



PPD® HELPING DELIVER LIFE
CHANGING THERAPIES

EARLY PHASE
EARLY INSIGHTS
EARLY DECISIONS

Through continued early stage planning, PEO can help make faster "go/no go" decisions and ensure a more efficient transition to later phases of development.

LEADING
DEVELOPMENT
AROUND
THE WORLD

Delivering
therapeutic expertise
and global reach
to meet your need

Expanding Our Therapeutic Area Capabilities

COMPREHENSIVE
REAL-WORLD EVIDENCE
AND MARKET
ACCESS SERVICES

Delivering unmatched solutions across the product life cycle to generate systems-based evidence.

PPD® LABORATORIES
GLOBAL,
INNOVATIVE
AND PROVEN
SOLUTIONS

Leverage our extensive industry experience and scientific expertise to accelerate your product's development with consistently quality lab data

Laboratory Data

TURNING
INFORMATION
INTO KNOWLEDGE

Combining the latest cutting-edge technologies with process improvement, real-time analytics and training for comprehensive solutions to business challenges

Planning and Change Management

Swamp-Winning Innovation

© 2004 Blackwell Publishing Ltd, *Journal of Internal Medicine* 255: 103–110

University of Maryland, 1991. Website: <http://www.umd.edu>.
 5. Inquiries to the U.S. Postal, which handles
 questions that have characteristics such as

Occasionally it's just a letter we happen to read, or a conversation with a friend, or a group of people who

Business Partnerships

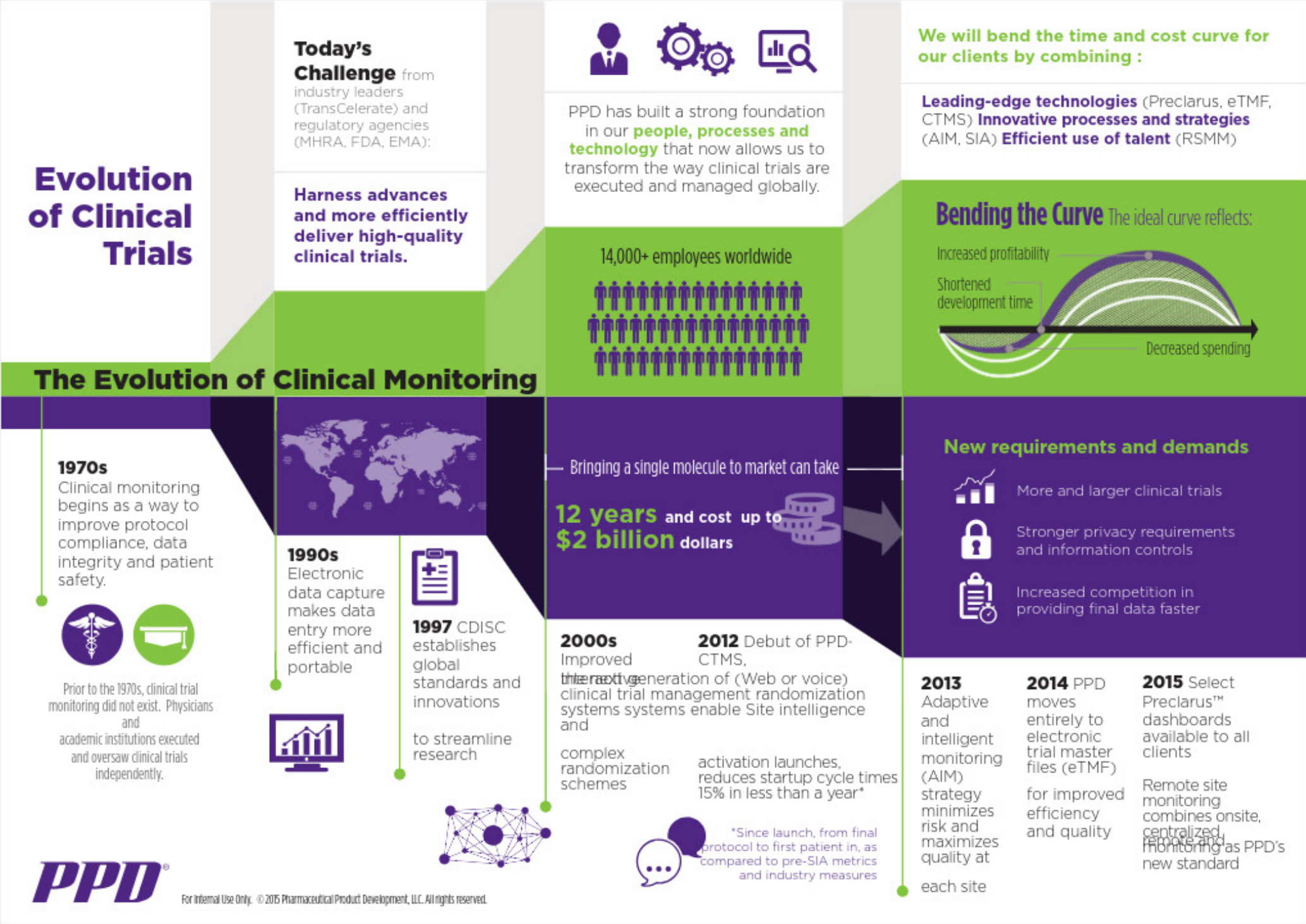
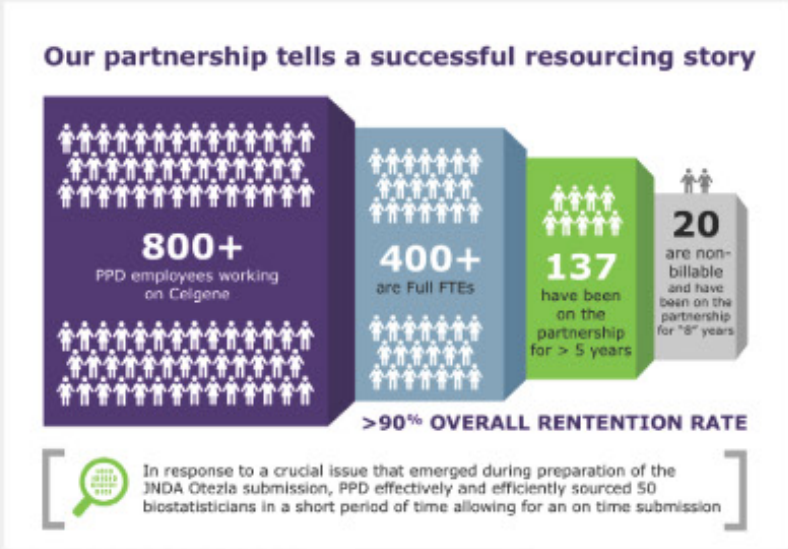
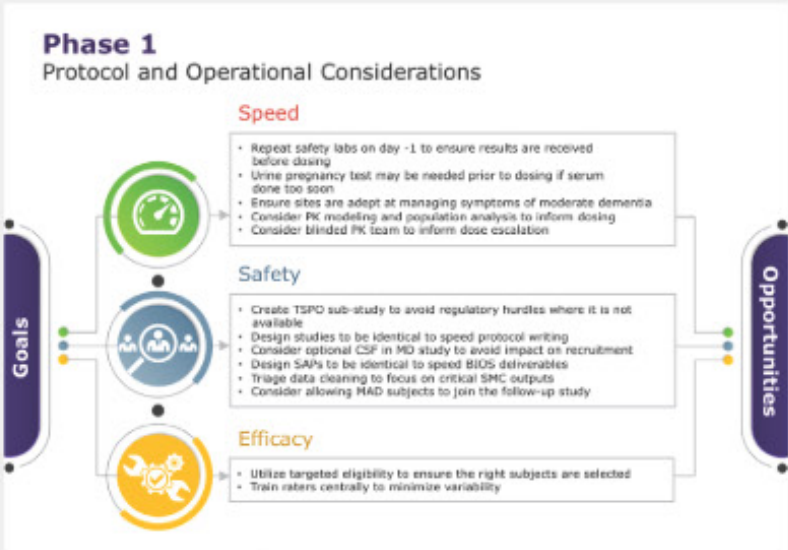
copyright and copyright, a single point
of reference for legal matters.

1000

PPD Corporate Marketing Design



- Marketing Collateral
- Presentations
- Infographics
- Email and Social Media
- Tradeshaw Graphics
- Digital and Print
- Advertising
- Website Graphics



PPD Biotech Brand Design



Key Visual

Folders

Brochures

Presentations

Website Design

White Papers

Infographics

Overview Sheets

Case Studies

White Papers

Business Cards

Print Avertising

Brand Guide

Templates



A unique solution for a unique set of challenges

Small- to mid-size pharma and biotech companies face a unique range challenge. When working with leaner teams and tighter timelines, a CRO partner with extensive global capabilities is a necessity. At the same time, we understand the fear of getting lost in a large global organization.

PPD® Biotech is a full service CRO solely dedicated to biotech companies and small- to mid-sized pharma. As a company within a company, we provide a truly unique solution.

The tailored, personalized approach to a boutique CRO



250+ operational, medical and commercial sites—fully dedicated to biotech companies



PPD Biotech leadership with limited reporting layers for rapid access to executive attention



Flexibility and seamless team integration for the right cultural fit

With far-reaching global resources and capabilities to execute any trial—anywhere



Immediate access to scale and expertise of a global, 18,500 person strong organization



Full-service early phase through post approval and laboratory drug development



Medical and regulatory experts, providing therapeutic guidance across the development spectrum

In the past five years, we've worked with 200+ biotech clients on 400+ studies

We understand there is no singular need from a CRO partner. We can build the right team that understands your goals and a commercial framework that meets your organization's unique needs.



Emerging organizations with virtual teams, laser focused on milestones that ensure next-stage financing

Established Biotech looking for an ideal cultural fit

Midsize Pharma in need of flexible commercial constructs

Pre-revenue Platform Companies seeking resources for rapid scale-up of a program

In-licensing Focused Investment Organization in need of consulting and full-service global portfolio development

Experienced executive leadership overseeing a dedicated team of 250+ professionals



Anshul Thakral
Global Head of PPD Biotech

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Elshahin Tatysh-Rothner
Vice President, Global Head of Operations

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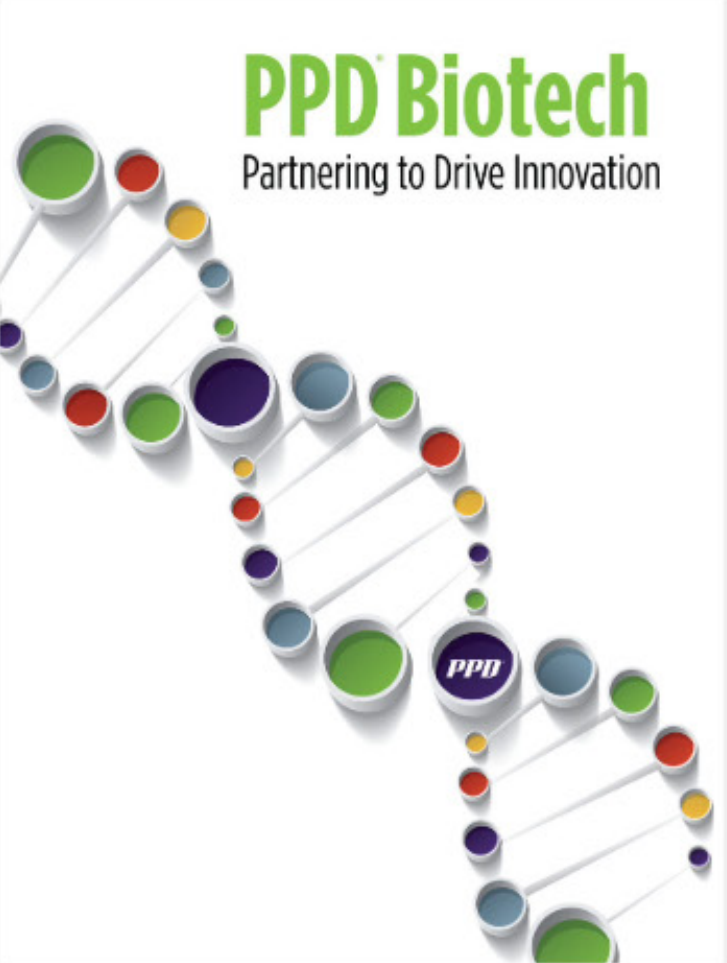
Daniel Bluch
Vice President, Global Medical Officer

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Shields-Carlsson
Vice President, Global Commercial Head

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PPD Biotech

Flexibility and Personal Attention Meet Global Reach

Meet Global Resources

Flexibility and Personal Attention Meet Global Reach



PPD BIOTECH OFFERS YOU A TRULY UNIQUE SOLUTION

Fully dedicated teams
A strong culture of Resiliency
A vast suite of global resources

PPD Biotech is a Premier CRO partner providing a dedicated team of experts to support your company's growth. Our 18,500+ professionals are dedicated to providing a truly unique solution. We understand there is no singular need from a CRO partner. We can build the right team that understands your goals and a commercial framework that meets your organization's unique needs.

Distinct Advantage

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A fully dedicated team that provides biotech clients with leveraging global reach and experience

Deep relationships with venture capitalists and other funding agents

Dedicated medical experts to help fill expertise and resource gaps

Creative commercial constructs and payment terms to balance financial needs



Never Lack the Resources and Capabilities You Need

FAR-REACHING GLOBAL FOOTPRINT

Full-service early phase through post approval and laboratory drug development. We can execute any trial anywhere in the world.

Comprehensive across all therapeutic areas

PPD Biotech combines the global power and capabilities of PPD with the personal attention, flexibility and adaptability of a boutique CRO. We understand there is no singular need from a CRO partner. We can build the right team that understands your goals and a commercial framework that meets your organization's unique needs.

PPD Biopharma Brand Design



- Key Visual
- Folders
- Brochures
- Presentations
- Website Design
- White Papers
- Infographics
- Overview Sheets
- Case Studies
- White Papers
- Business Cards
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