

# PK-PD platform 2.0

 [consortiapedia.fastercures.org/consortia/pk-pd-platform-2-0/](http://consortiapedia.fastercures.org/consortia/pk-pd-platform-2-0/)

## Research Areas



### Tool Development

Prediction

## At a Glance

- Status: **Active Consortium**
- Year Launched: **2012**
- Initiating Organization: **Top Industry Pharma**
- Initiator Type: **Nonprofit foundation**
- Location: **Europe**

## Abstract

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The mechanism-based PK-PD modeling platform 2.0 aims to develop novel mechanism-based PK-PD modeling concepts for stationary and nonstationary biological systems and builds on the mechanism-based PK-PD modeling platform 1.0. The research program is a systems pharmacology approach, which focuses on the development and application of novel mechanism-based pharmacokinetic-pharmacodynamic (PK-PD) modeling concepts.

## Mission

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The goal of the research program is to develop a mechanism-based PK-PD model library together with a knowledge-based management system to securely store preclinical, clinical, and epidemiological data and to support future model-based research in drug discovery and development

This research program will yield a mechanism-based PK-PD model library and database, which can be used for (a) drug candidate selection, (b) design and evaluation of early proof-of-concept studies in man, (c) optimization of Phase III clinical trials, and (d) prediction of long-term outcome of drug treatment. In addition to the generation of models the platform educates a new generation of PK-PD

modelers.

## Consortium History

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November 2012: Project began

November 2017: Project scheduled to end

Homepage <http://www.tipharma.com/pharmaceutical-research-projects/dutch-knowledge-infrastructure/pk-pd-modeling-platform-2.html>

## Points of Contact

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Principal Investigator: Meindert Danhof

## Sponsors & Partners

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