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*Webinar on*

# Fundamental of Pharmacokinetics

# Learning Objectives

- *Absorption*
- *Distribution*
- *Metabolism*
- *Excretion*
- *Volume of distribution*
- *Plasma protein binding*
- *Clearance*
- *Elimination half-life*

Pharmacokinetics are fundamental throughout drug discovery and development. The assessment of the pharmacokinetic profile on new chemical entities reduces the failure during development making the process more efficient.

**PRESENTED BY:**

*Dr. Stefano Persiani is currently Director of Translational Sciences and Pharmacokinetics at Rottapharm Biotech, Italy. He graduated in Pharmacy at the University of Milan, Italy and completed a Post-Doctoral fellowship in the Department of Pathology of the University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, USA, and later as a Research Associate in the Department of Pharmaceutics of the University of Southern California, School of Pharmacy in Los Angeles, California, USA.*

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On-Demand Webinar

Duration : 60 Minutes

Price: $200

# Webinar Description

The webinar reviews the general concepts and basic elements of pharmacokinetics. The webinar will describe the processes that a drug undergoes after administration such as the absorption (when not administered intravenously), the distribution, including plasma protein binding, the metabolism (the biotransformation of the drug into its metabolites) and the excretion (via the bile in faces and via the kidney in urine). The use of PK during drug development will also be described. PK studies can facilitate knowledge management and decision making to streamline drug discovery and development and to reduce the attrition rate.

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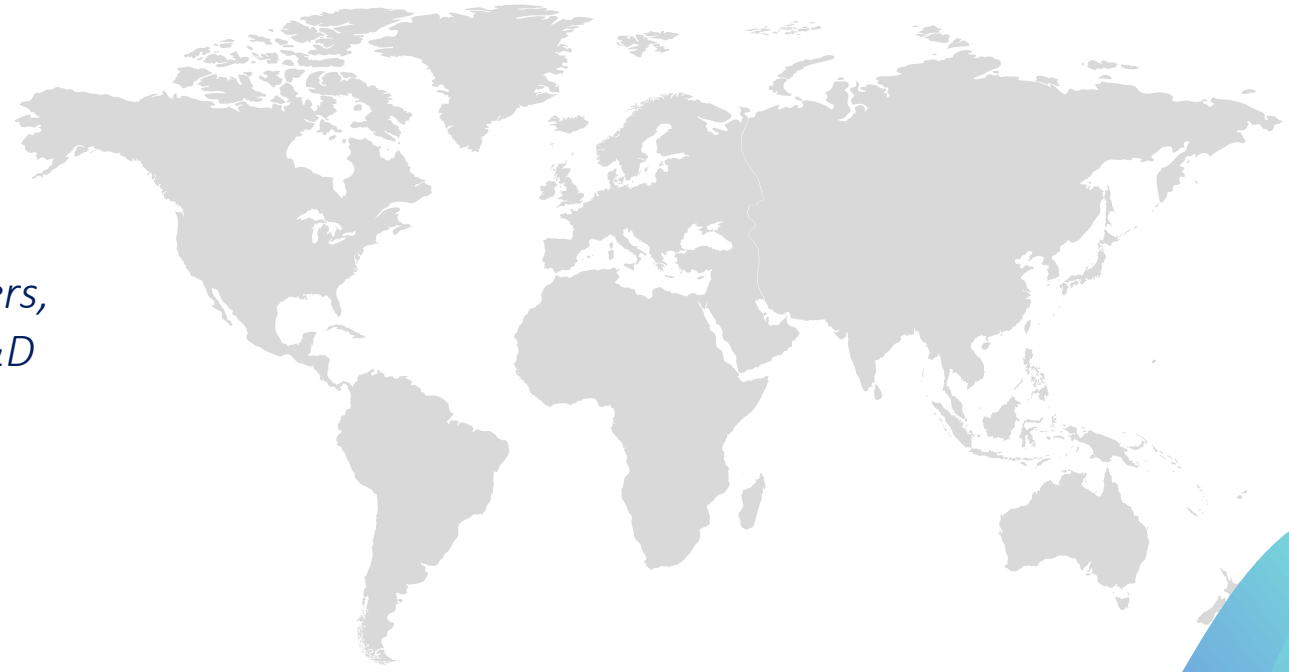
# Who Should Attend ?

*Project managers, pre-clinical and clinical pharmacologists, regulatory affairs, clinical research associates, drug discovery scientists, contract research organizations, medical writers, graduate students willing to enter the drug R&D sector.*



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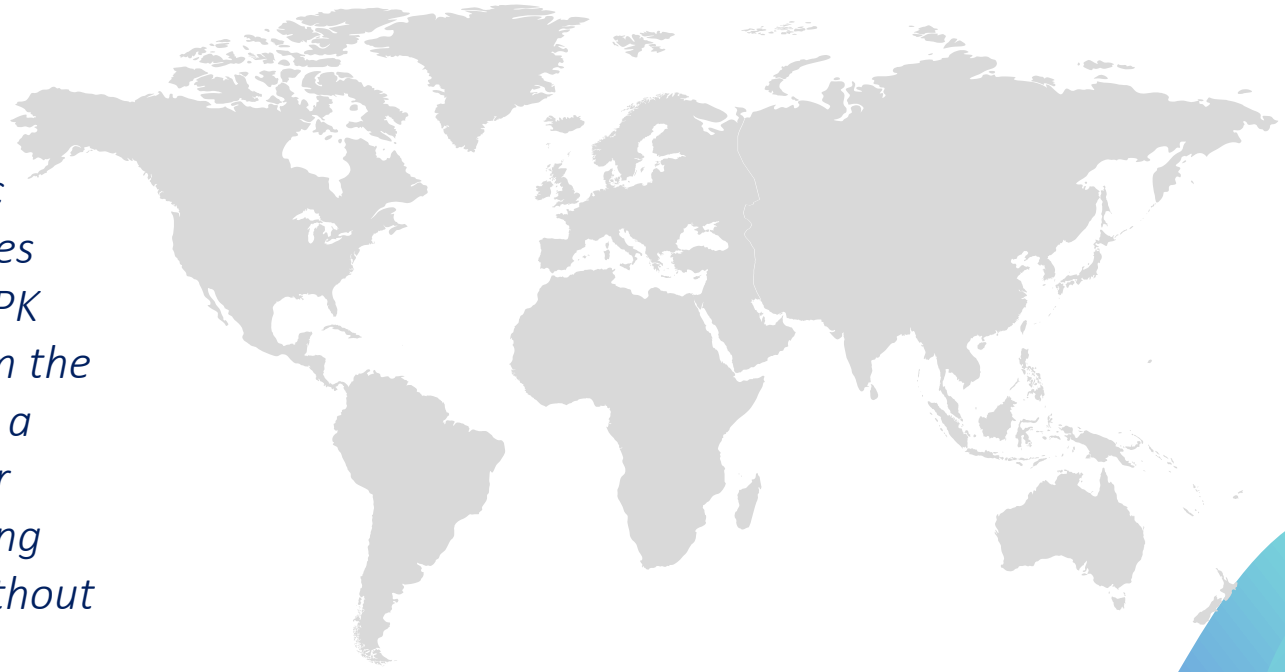
# Why Should Attend ?

*To get a better understanding of the different aspects that contribute to the pharmacokinetic profile of a new chemical entity. PK studies asses drug exposure to facilitate drug development. PK studies offer great support to learn and confirm the key characteristics of new molecular entities in a quantitative manner. This provides evidence for optimizing drug development plans and enabling critical decision-making. Drug development without PK is considered at a higher risk of failure.*



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