

UNIVERSITY OF THE
PACIFIC

Jie Du Center for Innovation and
Excellence for Drug Development

12 - WEEK COURSE

Clinical Pharmacology in Drug Development



IMPACT

This course presents a 360-degree view of the role of clinical pharmacology in the drug development process

WHO SHOULD ATTEND

Entrepreneurs, scientists, pharmacists and other health care professionals interested in pharmaceutical development



Course Co-Director
Miki Susanto Park, PhD
Professor
University of the Pacific



Course Co-Director
Krishna Devarakonda,
PhD, MPharm, FCP
Visiting Professor
University of the Pacific



Executive Director
Bhaskara R. Jasti '95,
MPharm, PhD, FAAPS
Professor
University of the Pacific



START DATE

January 9, 2025

\$950

12-week course, 2 hours per week

APPLY NOW

bit.ly/clinical-pharmacology

Rolling admission until start date.

What role does clinical pharmacology play in drug development?

Deepen your understanding of the development stage.

Develop a strategic approach to gathering and decoding real-world data.



Introduction to Drug Development

Regulatory landscape and role of clinical pharmacology.

Concepts of Pharmacokinetics and Pharmacodynamics in Drug Development

Quantitative Systems Pharmacology and Physiologically Based Pharmacokinetics (PBPK)

Early and Late Stage Clinical Development

Design of trials — scaling, first-in-human (FIH) — and the role of clinical pharmacology in early and late phase drug development.

Role of Pharmacovigilance and Drug Safety in Drug Development

Monitoring safety during clinical trials and communication with FDA.

Assessment of Risks/Benefits

IND/NDA/ANDA submissions and regulatory decision making.

Employment/Professional Opportunities for a Clinical Pharmacologist

Right steps towards a brilliant career.

Clinical Studies and Clinical Pharmacology Considerations in Special Populations

Pediatric, elderly, hepatic, and renal patient populations.

Case Studies: NDA (based on an SBA)

Clinical pharmacology perspective.

Pharmacometrics, Modeling and Simulation, and Model Informed Drug Development

Role of Biomarkers in Drug Development

Particular reference to oncology and rare diseases.

Pharmacogenomics/Pharmacogenetics

General principles with a special focus on drug safety.

We help you develop
innovative products for
unmet medical needs

About the Center

The Jie Du Center for Innovation and Excellence for Drug Development promotes innovation in drug development through education, training and mentorship, while fostering collaboration between Pacific students and industrial scientists. Individuals gain skills in pharmaceutical regulation, entrepreneurship and business to prepare them for navigating the challenges associated with new ventures in drug development.

The Center offers opportunities to take one's scientific and clinical expertise and complement them with the specialized knowledge and skills that are valued in today's competitive job market.

The Center is part of University of the Pacific and is located in Stockton, California.

[LEARN MORE](#)

About University of the Pacific

Since 1955, University of the Pacific's Thomas J. Long School of Pharmacy has been training health care professionals who are problem-solvers, innovators and leaders. The School was shaped into what it is today by the hard work, dedication and support of its charismatic faculty, staff, students, alumni and friends. Throughout the School's history, individualized, faculty-led experiential learning programs, combined with the support of a powerful alumni network, have led to student success.

The Center will provide tools to entrepreneurs in five key areas





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CONTACT US

Bhaskara R. Jasti '95, MPharm, PhD, FAAPS

Executive Director, Jie Du Center for Innovation
and Excellence for Drug Development

jjeducenter@pacific.edu | 209.946.3162

Miki Susanto Park, PhD

Professor, University of the Pacific

mpark@pacific.edu | 209.946.3909