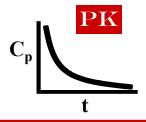
PHARMACOKINETIC-PHARMACODYNAMIC



MODELING

In Person



COURSE OUTLINE

We present the theory and applications of *pharmacodynamics*. With diverse *pharmacokinetic-pharmacodynamic modeling* concepts it is possible to describe and predict the time course of drug effects under various physiological and pathological conditions. The study of PK/PD and Disease Progression relationships can be of considerable value in understanding drug action, summarizing extensive data, building a knowledge repository, finding optimal dosing regimens, and in making

predictions under new circumstances. More advanced PK/PD models have evolved into Systems Pharmacology.

Our classic 3-day course on the concepts and applications of PK/PD modeling will be presented on a level suitable for those knowledgable in basic pharmacokinetics.

Special Note: We are offering this course and hotel venues adjacent to Niagara Falls with a large array of vacation activities including casinos. Bring your family!



"Thank you for the excellent PK/PD course. I really enjoyed the lectures and the "Pearls of Wisdom".

EGT

"The lectures were very educational, and funtoo".

1.7

"Exceptional course format". SM

COURSE DIRECTION

William J. Jusko, PhD

Dr. Jusko is SUNY Distinguished Professor of Pharmaceutical Sciences at the University of Buffalo and Director of the Center of Excellence in Pharmacokinetics and Pharmacodynamics. He is the former Editor-in-Chief of



JPKPD, has authored over 680 publications, and has consulted for the FDA, NIH, and the pharmaceutical industry. His research emphasizes PBPK modeling, protein therapeutics and immunosuppressive drugs.

Donald E. Mager, PharmD, PhD

Dr. Mager is Chair and Professor of Pharmaceutical Sciences at the University at Buffalo. He is CEO of ePD and pastpresident of ISoP and ACCP and has served as Visiting Professor at the Université Paris Descartes and on the Advisory



Committee on Clinical Pharmacology to the FDA. His research invokes PK/PD systems analysis with particular interest in anti-cancer therapy and immunomodulatory pharmacotherapy.







Ancillary Courses









Monoclonal Antibody and Biologics PK Workshop

Dr. J.P. Balthasar & Dr. D.Z. D'Argenio UB CPT & Univ. So. California.







HANDS-ON May 14-16, 2026

AN INTRODUCTORY WORKSHOP in POPULATION PK/PD MODELING with MONOLIXSUITETM Prof. J. Fiedler-Kelly



SimulationsPlus





















COURSE PROGRAM

May 11 Monday 08:00-08:30 Continental Breakfast/Registration 08:30-08:45 Dr. W.J. Jusko: Introductions 08:45-09:45 Dr. W.J. Jusko: Overview of PK/PD 09:45-10:45 Dr. D. Mager: Art of Modeling 10:45-11:00 Coffee 11:00-12:00 Dr. D. Mager: Basic Pharmacology 12:00-01:00 Lunch

01:00-02:00 Dr. W.J. Jusko: Modeling Biophase Distribution

02:00-03:00 Dr. W.J. Jusko: Basic Indirect Response Models 03:00-03:15 Break

03:15-04:15 Dr. D. Mager: Modeling Transduction Processes 04:15-05:15 Dr. W.J. Jusko: Slow & Irreversible Effects

05:15-06:00 Cocktail Reception 06:00-07:30 Group Dinner

May 12 Tuesday 08:00-08:30 Continental Breakfast

08:30-09:45 Dr. D. Mager: Review & Exercises I 09:45-10:00 Coffee

10:00-11:00 Dr. W.J. Jusko: Chemotherapy Models

11:00-12:00 Dr. W.J. Jusko: Indirect Response Complexities

12:00-01:00 Lunch

01:00-02:00 Dr. W.J. Jusko: Modeling Tolerance Processes 02:00-03:00 Dr. D. Mager: Target-Mediated PK/PD Models

03:00-03:15 Refreshments

03:15-04:15 Dr. W.J. Jusko: Modeling Drug Interactions 04:15-05:15 Pf. J. Fiedler-Kelly: Population PK/PD Models

May 13 Wednesday

08:00-08:30 Continental Breakfast

08:30-09:45 Dr. W.J. Jusko: Review & Exercises II

09:45-10:00 Coffee

10:00-11:00 Dr. D. Shah: PKPD Monoclonal Antibodies 11:00-12:00 Dr. W.J. Jusko: Disease Progression Models

12:00-01:00 Lunch

01:00-02:00 Dr. D. Mager: Species Scaling in PKPD 02:00-03:00 Dr. J. Earp: FDA & Pharmacometrics

03:00-03:15 Refreshments

03:15-04:15 Dr. D. Mager: Systems Modeling in PK/PD

04:15-04:30 Dr. W.J. Jusko: Final Discussion and Summary

REGISTRATION INFORMATION

Course location: The course will be held in person at The Niagara Falls Convention Center (NFCC), 101 Old Falls Street, Niagara Falls, NY 14303. USA. Phone: (716) 278-2100. Fax: (716) 278-0008. The Center is 28 min from the Buffalo/Niagara International Airport. Website: https://www.niagarafallsusa.com/conventioncenter/

Accommodations: Several nearby hotels within walking distance are available. Please book directly as soon as registered for this course. Possible hotels: Sheraton Niagara Falls, Quality Hotel & Suites At The Falls, Hyatt Place Niagara Falls, Wingate by Wyndham Niagara Falls, Comfort Inn The Pointe, The Cadence, Seneca Niagara Resort & Casino, Holiday Inn Niagara Falls-Scenic Downtown, The Giacomo, and others including those nearby in Canada.

Fee: Individual fee: \$2800. This includes course documentation, continental breakfasts, mid-session refreshments, lunches and opening dinner. Up to 5 graduate students may enroll at \$1400 (registered MS & PhD).

Registration: Online registration will begin January 26th, 2026. The course is limited to the capacity of 40 participants. Confirmation email of registration will be returned upon successful registration and payment at the following website: pharmacy.buffalo.edu/pkpdworkshops

Cancellations: Cancellations with a full refund may be made until March 16th, 2026. No refund is possible on cancellations received after this date. Substitutions may be made at any time.

Payment: Mastercard, Visa, American Express, and Discover card payments will be accepted only at the website: pharmacy.buffalo.edu/pkpdfollowing workshops Contact course secretary: Suzette Mis, (716) 645-4831; mis@buffalo.edu, if you need further assistance.

Antibody and Biologics PK Workshop: This will be a separate 3-day virtual Zoom workshop on Monoclonal Antibody PK with hands-on ADAPT modeling components by Drs. Joseph Balthasar, Dhaval Shah, Donald Mager, and David D'Argenio. Laptops are required for ADAPT modeling. See separate flyer for details. The fee is \$2800. Graduate Students \$1400.

MONOLIXSUITETM Course: A separate 3-day hands-on tutorial course in Population PK/PD Modeling using MonolixSuiteTM will be provided by Fiedler-Kelly and colleagues from Prof. Jill Simulations Plus, Inc. Laptops are required. See separate flyer for details. The fee is \$2800. Graduate Students \$1400.









