The Workforce Development Division Announces

The 1st Annual Pharmacokinetic-Pharmacodynamic Modeling Course

DATE: May 16-18, 2016
LOCATION: The Conference Center Niagara Falls, Niagara Falls, NY

COURSE DIRECTORS

William Jusko, PhD
SUNY Distinguished Professor

Donald E. Mager, PhD
Associate Professor,
School of Pharmacy & Pharmaceutical Sciences
University at Buffalo

ABOUT THE SCHOLARSHIP

WHO CAN APPLY? Graduate students and junior investigators are invited to apply for a limited number of travel scholarships to attend the 3-day PK/PD course. Women, individuals from traditionally underrepresented ethnic, racial and cultural groups, individuals with disabilities and veterans are strongly encouraged to apply.

WHAT’S AWARDED? Up to $2,500 will be awarded to cover registration fees and partial lodging.

SCHOLARSHIP APPLICATION

TO APPLY: Send the below items to Dr. Shaweta Gupta (sg98@buffalo.edu) as a single PDF:

• Curriculum vitae
• 2 letters of recommendation
• A statement from the Department Chair indicating applicant career level

APPLICATION DEADLINE: February 15, 2016

COURSE REGISTRATION

See information about the 3-day course on the concepts and applications of PK/PD modeling and registration instructions on pages 2-3. For additional information, visit www.ccnfny.com.
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 knowledgeable 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!
## Course Program

**May 16  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**
- 04:15-05:00 Dr. W.J. Jusko: **Slow & Irreversible Effects**
- 06:00-07:30 Group Dinner

**May 17  Tuesday**
- 08:00-08:30 Continental Breakfast
- 08:30-09:45 Dr. D. Mager: **Review & Exercises I**
- 09:45-10:45 Coffee
- 10:00-11:00 Dr. W.J. Jusko: **Modeling Chemotherapeutic Effects**

**May 18  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 P.F. J. Fiedler-Kelly: **Population PK/PD Models**
- 02:00-03:00 Dr. J. Earp: **FDA & Pharmacometrics**
- 03:00-03:15 Refreshments
- 03:15-04:15 Dr. W.J. Jusko: **Computational Issues in PK/PD**
- 04:15-04:30 Dr. W.J. Jusko: **Final Discussion and Summary**

## Registration Information

**Course Location:** The course will be held at The Conference Center Niagara Falls, 101 Old Falls Street, Niagara Falls, NY 14303. USA. Phone: (716) 278-2100. Fax: (716) 278-0008. The Center is 28 min from Buffalo International Airport. Website: [http://www.ccnfny.com](http://www.ccnfny.com)

**Hotel Location:** Sheraton at the Falls, 300 Third Street, Niagara Falls, NY 14303. USA. Phone: (716) 285-3361. The price is $120/night. [Hotel Deadline: April 11th, 2016](http://sheratonatthefalls.com)

**Fee:** Individual fee: $2400. This includes course documentation, mid-session refreshments, lunches and opening dinner. Up to 5 graduate students may enroll at a fee of $1200 (registered MS and PhD). US Government rate: $1800 (FDA and NIH employees only).

**Registration:** Online registration will begin October 1st, 2015. The course is limited to the capacity of 40 participants. Confirmation email of registration will be returned upon successful registration at the following website: [http://pharmacy.buffalo.edu/](http://pharmacy.buffalo.edu/) under Quick Links.

**Cancellation:** Cancellations with a full refund may be made until March 25, 2016. No refund is possible on cancellations received after this date. Substitutions may be made at any time. Please inform course secretary of any substitutions.

**Payment:** Mastercard, Visa, American Express, and Discover card payments will be accepted only at the following website: [http://pharmacy.buffalo.edu/](http://pharmacy.buffalo.edu/) under Quick Links. Contact course secretary: Suzette Mis, (716) 645-4831; [mis@buffalo.edu](mailto:mis@buffalo.edu), if you need further assistance. Those registering for the PK/PD course will receive 20% discount on any other courses.

**Ancillary Antibody PK/PD Workshop:** This will be a separate 2-day workshop on Monoclonal Antibody PK/PD by Drs. Joseph Balthasar and Dhaval Shah. This course will utilize the facilities at The Conference Center Niagara Falls. The fee is $1800. Federal Govt. $1200. Graduate Students $800.

**Ancillary ADAPT-Biologics Course:** This will be a separate 2-day hands-on workshop on use of Adapt for PK modeling of biologics. This course will use the facilities at The Conference Center Niagara Falls. Laptops are required. See separate flyer for details. The fee is $600. Federal Govt. $400. Graduate Students $200.

**Ancillary NONMEM® Course:** A separate 3-day hands-on tutorial course in “Population PK Data Analysis using NONMEM®” will be provided by Prof. Jill Fiedler-Kelly and colleagues from Cognigen. Laptops are required. See separate flyer for details. The fee is $2400. Federal Govt. $1800. Graduate Students $1200.

**Ancillary Certara™ Course:** A separate 3-day hands-on tutorial course on use of Phoenix software for PK/PD Modeling. Laptops are required. Temporary access to software provided. The fee is $2000. Federal Govt. $1600. Graduate Students $1200.

**Social Activities:** Cognigen Corporation will sponsor evening excursions on Thursday, May 12 and Tuesday, May 17.