PHARMACOKINETIC & PHARMACODYNAMIC MODELING

June 26-28, 2014
Gdansk, Poland

"Thank you for the excellent PK/PD course. I really enjoyed the lectures and the "Pearls of Wisdom".
EGT, May 2007

William J. Jusko, PhD
SUNY Distinguished Professor and Chair of Pharmaceutical Sciences at the University of Buffalo and Director of the Center of Excellence in Pharmacokinetics and Pharmacodynamics. He is Editor-in-Chief of JPKPD, has authored over 560 publications, consults for the FDA, NIH, and the pharmaceutical industry, and is listed in ISI Most Highly Cited in Pharmacology.

Donald E. Mager, PhD
Associate Professor of Pharmaceutical Sciences at the University at Buffalo. He has served as Visiting Professor at the Université Paris Descartes and the Advisory Committee on Clinical Pharmacology to the FDA. His research invokes PK/PD systems analysis with particular interest in anti-cancer and immunomodulatory pharmacotherapy.

and guest speakers:

Wojciech Krzyzanski, PhD
Associate Professor of Pharmaceutical Sciences at the University at Buffalo

Paweł Witzling, PhD
Associate Professor of Pharmaceutical Sciences at the Medical University of Gdansk

Krolewski Hotel, 1 Olowianka Str., 80-751 Gdansk, Poland
more information:  +1 (716) 645 4831  mis@buffalo.edu  www.PKPDGdansk.com
**June 26, Thursday**  
0800-08:30 Continental Breakfast/Registration  
0830-08:45 Dr. W. J. Jusko: *Introductions*  
0845-09:05 Dr. W. J. Jusko: *Overview of PK/PD*  
0945-10:45 Dr. D. Mager: *Art of Modeling*  
1045-11:00 Coffee  
1100-12:00 Dr. D. Mager: *Basic Pharmacology & Simple Effects*  
1200-01:00 Lunch  
0100-02:00 Dr. W. J. Jusko: *Modeling Biophase Distribution*  
0200-03:00 Dr. W. J. Jusko: *Basic Indirect Response Models*  
0300-03:15 Break  
0315-04:15 Dr. D. Mager: *Modeling Transduction Processes*  
0415-05:00 Dr. W. J. Jusko: *Simple Irreversible Effects*  
0600-07:30 Group Dinner

**June 27, Friday**  
0800-08:30 Continental Breakfast  
0830-09:45 Dr. D. Mager: *Review & Exercises I*  
0945-10:00 Coffee  
1000-11:00 Dr. W. J. Jusko: *Modeling Chemotherapeutic Effects*  
1100-12:00 Dr. W. Krzyzanski: *Complexities of Indirect Responses*  
1200-01:00 Lunch  
0100-02:00 Dr. W. J. Jusko: *Modeling Functional Adaptation*  
0200-03:00 Dr. D. Mager: *Target-Mediated PK/PD Models*  
0300-03:15 Refreshments  
0315-04:15 Dr. W. J. Jusko: *Modeling Drug Interactions*  
0415-05:15 Dr. D. Mager: *Animal Scaling in PK/PD*

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

**Our course on the concepts and applications of PK/PD modeling will be presented on a level suitable for those knowledgeable in basic pharmacokinetics.**

**Course location:** The course will be held at The Krolewski Hotel (more info below). It is located 30 min. from Gdansk Lech Walesa Airport (http://www.airport.gdansk.pl). Gdansk is one of Poland’s most beautiful cities with its historical Old Town (pictured left).

**Hotel location:** Krolewski Hotel, 1 Ołowianka Str, 80-751 Gdansk, Poland. Phone: +48 58 326 1111. The regular prices are 100-150€/night, but ask for a special 15% discount for our workshop attendees. Hotel deadline: Apr 30, 2014. Website: http://hotelkrolewski.pl.

**REGISTRATION FORM: Pharmacokinetic-Pharmacodynamic Modeling, Gdansk 2014**

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- Please circle: Visa, Mastercard, American Express, Discover  
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**Fee:** Individual fee is 2000 € ($2600). This includes course documentation, mid-session refreshments, lunches and opening dinner. Up to 5 graduate students may enroll at a fee of 1000€ ($1300).

**Registration:** Please register ASAP in view of the limited course capacity of 40 participants. Confirmation of registration will be returned upon receipt with an invoice for the course fees. Registration will not be final until payment is received. http://pharmsci.buffalo.edu/symposia/

**Payment:** University at Buffalo Foundation Inc. Bank transfers and credit card payments are accepted as well as checks. Course secretary: Suzette Mis, (716) 645-4831; mis@buffalo.edu.

**Cancellations:** Cancellations with a full refund may be made until April 24, 2014. No refund is possible on cancellations received after this date. Substitutions may be made at any time.

You may also be interested in these great courses in Niagara Falls, NY:

**June 9-12, 2014: PK/PD & Systems Pharmacology**  
Drs. Jusko, Mager, Faculty, Guests  
Dept. of Pharmaceutical Sciences

**June 12-14, 2014: Population PK/PD Modeling:**  
*Introduction to NONMEM*  
Prof. Jill Fiedler-Kelly, a “hands on” computer tutorial

**June 5-6, 2014: Monoclonal Antibody PK/PD**  
Dr. Joseph Balthasar  
UB Center for Protein Therapeutics

**June 7-8, 2014: ADAPT-Biologics**  
Dr. David Z. D’Argenio  
Hands on Workshop

Please return to: PK/PD MODELING, Department of Pharmaceutical Sciences, School of Pharmacy, State University of New York at Buffalo, 445 Kapoor Hall, Buffalo, NY 14214; phone: (716) 645-4831; fax: (716) 829-6569; e-mail: mis@buffalo.edu