CURRICULUM VITAE: WILLIAM J. JUSKO

Address: February 15, 2023

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Weblinks:

http://www.webofknowledge.com/ Jusko, W
http://pharmacy.buffalo.edu/departments-offices/pharmaceutical-sciences.html
http://www.researcherid.com/rid/G-4885-2015
https://www.linkedin.com/pub/william-jusko/33/aa7/825
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Education:

Salamanca High School, NY	1956-1960 Secondary Education
State University of New York at Buffalo	1960-1965 B.S. Pharmacy
State University of New York at Buffalo	1966-1969 Ph.D. 1970

Appointments:

State University of New York at Buffalo, School of Pharmacy and Pharmaceutical Sciences,
Department of Pharmaceutical Sciences

SUNY Distinguished Professor	Nov 2008 - present
UB Distinguished Professor	April 2007 - Nov 2008
Professor	April 1977 - Apr 2007
Chair, Department of Pharmaceutical Sciences	Jan 2001 – May 2016
Director, Center of Excellence in Pharmacokinetics and Pharmacodynamics	Dec 2005 -present
Vice-Chairman, Department of Pharmacy	April 1984 - Oct. 1986
Director, Doctor of Pharmacy Program	Sept. 1981 - Aug. 1986
Associate Professor of Pharmaceutics	March 1974 - April 1977
Assistant Professor of Pharmaceutics	Aug.1972 - March 1974

Millard Fillmore Hospital, Buffalo, NY Director, Clinical Pharmacokinetics Laboratory	Aug. 1972 - Sept. 1981
Mario Negri Institute for Pharmacological Research, Milan, Italy, Visiting Scientist	Sept. 1978 - June 1979
Veterans Administration Hospital, Boston, MA Clinical Pharmacology Section, Research Pharmacologist	Sept. 1969 - July 1972
Boston University School of Medicine Department of Pharmacology, Assistant Professor of Pharmacology	June 1970 - July 1972
Boston Collaborative Drug Surveillance Program Boston University Medical Center, Research Associate	Sept. 1969 - July 1972
State University of New York at Buffalo Dept. of Pharmaceutics, Research Assistant	Sept. 1966 - Aug. 1969

Soby's Pharmacy, Buffalo, NY, Pharmacist March 1966 - June 1968

Children's Hospital of Buffalo, NY, Hospital Pharmacist Sept. 1962 - Feb. 1966

Consultant:

Council for International Exchange of Scholars (Fulbright Scholar Program)
Medical Sciences Award Committee, 1980-84
National Institutes of Health, Pharmacology Study Section, 1980-84, 1997-01; Others: at present
Food and Drug Administration, CDER, Clinical Pharmacology Advisory Committee, 1999-2007
Various pharmaceutical companies, 1978-present

Awards and Honors:

NIH Predoctoral Research Fellowship, 1966-1969.
Fulbright-Hays Award to Mario Negri Institute, Milan, Italy, 1978-1979.
Fellow, Academy of Pharmaceutical Sciences, 1980.
Rorer Award, Second Best paper in: Am. J. Gastroent., 1980, (Ref. 116).
Fellow, American Association for the Advancement of Science, 1985.
Fellow, American Association of Pharmaceutical Scientists, 1986.
Rawls-Palmer Award, Am. Soc. Clinical Pharmacology & Therapeutics, 1987.
Doctor Honoris Causae, Jagiellonian University, Krakow, Poland, 1987.
Russell R. Miller Award, Am. College of Clinical Pharmacy, 1988.
Citizen of the Year (Health/Medicine), Am-Pol Eagle, Buffalo, NY, 1987
Distinguished Service Award, Am. College Clinical Pharmacology, 1989.
Fellow, American College of Clinical Pharmacology, 1989.
Faculty Exchange Scholar, State University of New York, 1990
Kosciusko Award, General Pulaski Assn. of Niagara Frontier, 1996
Research Achievement Award in PPDM, AAPS, 1998
John G. Wagner Lectureship, University of Michigan, 1999
Sustained Achievement Award, University at Buffalo, 2002
Roland T Lakey Award Lecture, Wayne State University, 2003
Chancellor's Award, University at Buffalo, 2003
ISI Most Highly Cited List in Pharmacology, 2003
MERIT Award, National Institutes of Health, 2005-2015
Volwiler Research Achievement Award, Am Assn Colleges of Pharmacy, 2005
Swintosky Distinguished Lecturer, University of Kentucky, 2006
Paul Ehrlich Magic Bullet Lifetime Achievement Award, Germany, Oct 2008
AAPS Meritorious Manuscript Award, 2008 (Ref. #469)
Leadership Award, American Society of Pharmacometrics, 2011
Distinguished Investigator Award, Am College of Clinical Pharmacology, Sept 2012
ASCPT Sheiner-Beal Pharmacometrics Award, March 2013
Collegium of Eminent Scientists, Kosciuszko Foundation, 2015
Doctor Honoris Causae, University of Paris Descartes, Sept. 2015
Fellow, International Society of Pharmacometrics, Oct. 2016
ASCPT/FDA William Abrams Lecture Award, May 2017
ASCPT Oscar B. Hunter Career Award in Therapeutics, March 2018
Lewis B. Sheiner Pharmacometrics Award, ISoP, Oct. 2019
AAPS Distinguished Pharmaceutical Scientist Award, Oct. 2020

Memberships:

American Association of Pharmaceutical Scientists (1986-present)
American Association of Colleges of Pharmacy (1972-present)
American Association for the Advancement of Science (1970-present)
American Society for Clinical Pharmacology and Therapeutics (1976-present)
American Pharmaceutical Association (1962-2012)
American Society for Microbiology (1975-1994)
American Society for Pharmacology and Experimental Therapeutics (1974-present)
Kappa Psi Pharmaceutical Fraternity (1962-1965)
Rho Chi Pharmaceutical Honor Society (1968)
American College of Clinical Pharmacy (1980-2009)
Federation Internationale Pharmaceutique (1980-2009)
American College of Clinical Pharmacology (1989-present)
European Federation for Pharmaceutical Sciences (1999-2009)
American Society of Pharmacometrics (2011-present)

Listings:

American Men and Women of Science, Who's Who (various venues)

Editorial Boards:

Journal of Pharmaceutical Sciences, 1976-81, 1992-2001
Antimicrobial Agents and Chemotherapy, 1978-1989
Biopharmaceutics and Drug Disposition, 1980-present
Journal of Pharmacokinetics and Pharmacodynamics, 1982-2005
Developmental Pharmacology and Therapeutics, 1980-1982
Drug Intelligence and Clinical Pharmacy, 1982-1987
Clinical Pharmacology and Therapeutics, 1986-2014
Journal of Clinical Pharmacology, 1993-present
American Journal of Therapeutics, 1994-present
Pharmaceutical Research, 1995-1997; Board of Consulting Editors, 2006-2014
Pharmacotherapy, 1995-2002
Journal of Pharmacology and Experimental Therapeutics, 1999-2015
Drug Metabolism and Pharmacokinetics (Japan), 2002-present
Open Access Bioinformatics, March 2009- present
Editor-in-Chief: Journal of Pharmacokinetics and Pharmacodynamics, 2005-2019
CPT: Pharmacometrics & Systems Pharmacology, 2012-2017
Current Pharmacology Reports, 2014-present

Other:

Registered Pharmacist in New York State (License No. 25534, March 1, 1966).
Laboratory Director in Toxicology, Certificate of Qualification No. 588, New York State Department of Public Health (Issued August 13, 1973).

Patents:

1. Benincosa L and Jusko WJ, Novel Method of Treatment, Patent No. WO 00/27341 (May 2000).

Publications:

1. Levy G, and Jusko WJ, Effect of Viscosity on Drug Absorption, J. Pharm. Sci. 54: 219-225 (1965). PMID: 14293807
2. Levy G., and Jusko WJ, Factors Affecting the Absorption of Riboflavin in Man, J. Pharm. Sci. 54: 285-289 (1966). PMID: 5960174
3. Levy G and Jusko WJ, Apparent Renal Tubular Secretion of Riboflavin in Man, J. Pharm. Sci. 55: 1322 (1966). PMID: 5969798

4. Jusko WJ, and Levy G, Absorption, Metabolism, and Excretion of Riboflavin-5'-Phosphate in Man, J. Pharm. Sci. 56: 58-62 (1967). PMID: 6030496
5. Jusko WJ and Levy G, Effect of Probenecid on Riboflavin Absorption and Excretion in Man, J. Pharm. Sci. 56: 1145-1149 (1967). PMID: 6049701
6. Levy G and Jusko WJ, Case History of a Pharmaceutical Formulation Failure, Clin. Pharmacol. Ther. 8: 887-889 (1967). PMID: 6072698
7. Jusko WJ and Levy G, Plasma Protein Binding of Riboflavin and Riboflavin-5'-Phosphate in Man, J. Pharm. Sci. 58: 58-62 (1969). PMID: 5765837
8. Levy G, Gibaldi M, and Jusko WJ, Multicompartment Pharmacokinetic Models and Pharmacologic Effects, J. Pharm. Sci. 58: 422-424 (1969). PMID: 5787438
9. Jusko WJ, Ph.D. Thesis, The Absorption, Distribution, Metabolism, and Elimination of Riboflavin in Man. State University of New York at Buffalo (1970). Dissertation Abst. 31: 71-6083 (1971).
10. Jusko WJ, Levy G, Yaffe SJ, and Gorodischer R, Effect of Probenecid on Renal Clearance of Riboflavin in Man, J. Pharm. Sci. 59: 473-477 (1970). PMID: 5440673
11. Jusko WJ, Rennick B, and Levy G, Renal Excretion Kinetics of Riboflavin in the Dog, Am. J. Physiol. 218: 1046-1053 (1970). PMID: 5435402
12. Jusko WJ, Levy G, and Yaffe SJ, Effect of Age on lntestinal Absorption of Riboflavin in Humans, J. Pharm. Sci. 59: 487-490 (1970). PMID: 5440675
13. Jusko WJ, Leonards JA, and Levy G., Riboflavin Distribution and Elimination in Two Functionally Anephric Human Patients, J. Pharm. Sci. 59: 566-567 (1970). PMID: 5440692
14. Jusko WJ and Levy G, Pharmacokinetic Evidence for Saturable Renal Tubular Reabsorption of Riboflavin, J. Pharm. Sci. 59: 765-772 (1970). PMID: 5463652
15. Jusko WJ, Khanna N., Levy G, Stern L, and Yaffe SJ, Riboflavin Absorption and Excretion in the Neonate, Pediatrics 45: 945-949 (1970). PMID: 5422117
16. Jusko WJ, Levy G., Yaffe SJ, and Allen J, Riboflavin Absorption in Children with Biliary Obstruction, Am. J. Dis. Child. 121: 48-52 (1971). PMID: 5539814
17. Jusko WJ, Fluorometric Analysis of Ampicillin in Biological Fluids, J. Pharm. Sci. 60: 728-732 (1971). PMID: 5125772
18. Jusko WJ, Pharmacodynamics of Chemotherapeutic Effects: Dose-TimeResponse Relationships for Phase-Nonspecific Agents, J. Pharm. Sci. 60: 892-895 (1971). PMID: 5166939
19. Lewis GP, Jusko WJ, Burke CW, Graves L, and the Boston Collaborative Drug Surveillance Program, Prednisone Side-Effects and Serum-Protein Levels: A Collaborative Study, Lancet ii: 778-781 (1971). PMID: 4106604
20. Jusko WJ, Lewis GP, and Dittert LW, Integral Coefficients of Multicompartment Pharmacokinetic Models: Application to Chemotherapy, Chemotherapy 17: 109-120 (1972). PMID: 5046835
21. Jusko WJ, and Lewis GP, Precaution in Pharmacokinetic Evaluation of Ampicillin Precursors, Lancet i: 690-691 (1972). PMID: 4125194
22. Jusko, W.J., and Lewis, G.P., Effect of Hepatic Disease on Liver Flavin and Protein Levels, Am J Clin Nutr 25: 265-268 (1972). PMID: 5011906
23. Cohen JL, Jao JT, Jusko WJ, Pharmacokinetics of Cyclophosphamide in Man, Brit. J. Pharmacol. 43: 677-680 (1971). PMID: 5157730
24. Lewis GP, Jusko WJ, Coughlin L, and Hartz S., The Contribution of Cigarette Smoking to Cadmium Accumulation in Man, Lancet i: 291-292 (1972). PMID: 4109933
25. Wizwer P, Lewis GP, Jusko WJ, and Slone D, A New System For Drug Ordering, Dispensing and Administration in Hospitals, Am. J. Hosp. Pharm. 29: 28-29 (1972). PMID: 5021507
26. Jusko WJ and Gibaldi M, Effects of Change in Elimination on Various Parameters of the Two-Compartment Open Model, J. Pharm. Sci. 61: 1270-1273 (1972). PMID: 5050376
27. Wizwer P, Lewis GP, Jusko WJ, and Slone D, System Records Drug Orders, Drug Effects, J. Am. Hosp. Assn., 16: 86-94 (1972). PMID: 5055143
28. Jusko WJ, Pharmacodynamic Principles in Chemical Teratology: Dose-Response Relationships, J. Pharmacol. Exp. Ther. 183: 469-480 (1972). PMID: 4636387
29. Jao JY, Jusko WJ, and Cohen JL, Phenobarbital Effects on Cyclophosphamide Pharmacokinetics in Man, Cancer Res. 32: 2761-2764 (1972). PMID: 4678592
30. Jusko WJ, and Lewis GP, Comparison of Ampicillin and Hetacillin Pharmacokinetics in Man, J. Pharm. Sci. 62: 69-76 (1973). PMID: 4630199
31. Jusko WJ, Lewis GP, and Schmitt G, Ampicillin and Hetacillin Pharmacokinetics in Normal and Anephric Subjects, Clin. Pharmacol. Ther. 14: 90-99 (1973). PMID: 4345622
32. Lewis GP, Jusko WJ, Coughlin LL, and Hartz S, Cadmium Accumulation in Man: lnfluence of Smoking, Occupation, Alcoholic Habit, and Disease, J. Chron. Dis. 26: 717-726 (1973). PMID: 4648516
33. Jusko WJ, Pharmacokinetic Principles of Pediatric Pharmacology, Pediatr. Clin. North Am. 19: 81-100 (1972). PMID: 5049220
34. Jusko WJ, Pharmacokinetic Principles in Chemical Teratology, Proc. Europ. Soc. Study Drug Toxicity 14: 9-19 (1973).
35. Jusko WJ, The Bioavailability of Drug Products: Ampicillin APhA Pilot Project on Bioavailability, Am. Pharm. Assn., pp. 19-23 (1973).
36. Jusko WJ, A Pharmacodynamic Model for Cell Cycle-Specific Chemotherapeutic Agents, J. Pharmacokin. Biopharm. 1: 175-200 (1973).
37. Jusko WJ, Gretch M, and Gassett R, Precipitation of Diazepam from Intravenous Preparations, JAMA 225: 176 (1973). PMID: 4740282
38. Jusko WJ, The Clinical Status of Predictive Pharmacokinetics, in: "Regulation and Control in Physiological Systems", A.S. Iberall and A.C. Guyton, editors, 1973, Instr. Soc. of America, Pittsburgh, pp. 57-60.
39. Szefler SJ and Jusko WJ, Decreased Volume of Distribution of Digoxin in a Patient with Renal Failure, Res. Comm. Chem. Path. Pharmacol. 6: 1095-1098 (1973). PMID: 4760884
40. Jusko WJ, Rapporteur: in: "Pharmacology and Pharmacokinetics", T. Teorell, R.L. Dedrick, and P.G. Condliffe, editors, Plenum Press, New York (1974), pp. 312-313, 336-337, 348-349, 366-368.
41. Jusko WJ, Szefler SJ, and Goldfarb AL, Pharmacokinetic Design of: Digoxin Dosage Regimens in Relation to Renal Function, J. Clin. Pharmacol. 14: 525-635 (1974). PMID: 4430731
42. Jusko WJ and Weintraub M, Myocardial Distribution of Digoxin and Renal Function, Clin. Pharmacol. Ther. 16: 449-454 (1974). PMID: 4414761
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45. Jusko WJ, Clinical Pharmacokinetics of Digoxin, in: "Clinical Pharmacokinetics - A Symposium", G Levy, editor, APhA., Academy of Pharmaceutical Sciences, Washington, 1974, pp. 31-43.
46. Jusko WJ, Pharmacokinetic Management of Antibiotic Therapy, in: "Clinical Pharmacokinetics - A Symposium", G.Levy, editor, A.Ph.A. Academy of Pharmaceutical Sciences, Washington, 1974, pp. 111-127.
47. Jusko WJ, Conti DR, Molson A, Kuritzky P, Giller J, and Schultz R, Digoxin Absorption from Tablets and Elixir: The Effect of Radiation-Induced Malabsorption, JAMA 230: 1554-1555 (1974). PMID: 4479663
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51. Lalka D, Jusko WJ, and Bardos TJ, Reactions of 2,2-Dimethylaziridine-Type Alkylating Agents in Biological Systems. II. A Comparative Pharmacokinetic Study in Dogs, J. Pharm. Sci. 64: 230-235 (1975). PMID: 236372
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53. Jusko WJ and Levy G, Absorption, Protein Binding, and Elimination of Riboflavin, Chapter 4 in Riboflavin, Rivlin R.S., editor, Plenum Press, New York, 99-152 (1975).
54. Jusko WJ, Gerbracht LM, Golden LH, and Koup J., Digoxin Concentrations in Serum and Saliva, Res. Comm. Chem. Path. Pharmacol. 10: 189-192 (1975). PMID: 1124317
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59. Lewis GP and Jusko WJ, Pharmacokinetics of Ampicillin in Cirrhosis, Clin. Pharmacol. Ther. l8: 475-484 (1975). PMID: 1164828
60. Jusko WJ, Drug Dosage Adjustments in Diseased Patients, Rational Drug Therapy 10: 1-8 (1976). PMID: 951505
61. Gorodischer R, Jusko WJ, and Yaffe SJ, Renal Clearance of Digoxin in Young Infants, Res. Comm. Chem. Path. Pharmacol. 16: 363-374 (1977). PMID: 847290
62. Gorodischer R, Jusko WJ, and Yaffe SJ, Tissue and Erythrocyte Distribution of Digoxin in Infants, Clin. Pharmacol. Ther. 19: 256-263 (1976). PMID: 1261163
63. Koup JR, DeLattre M, Jusko WJ, and Vance JW, Caution in the Use of Variable Heparin Strengths, Drug Intell. Clin. Pharm. 9: 387-388 (1975).
64. Jusko WJ, Bioavailability Monograph on "Ampicillin", J. Am. Pharmaceut. Assn., NS 15: 591-594 (1975). PMID: 1184921
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66. Yurchak AM and Jusko WJ, Theophylline Secretion into Breast Milk, Pediatrics 57: 518-520 (1976). PMID: 1264548
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68. Jusko WJ and Gretch M., Plasma and Tissue Protein Binding of Drugs in Pharmacokinetics, Drug Met. Rev. 5: 43-140 (1976). PMID: 829788 & PMID: 780085
69. Hunt SN, Jusko WJ, Yurchak AM, Effect of Smoking on Theophylline Disposition, Clin. Pharmacol. Ther. 19: 546-551 (1976). PMID: 1277710
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71. Jusko WJ, Bioavailability and Disposition Kinetics of Phenytoin in Man, In: "Quantitative Analytic Studies in Epilepsy", Kellaway P and Peterson I., editors, Raven Press, New York, 115-136 (1976).
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PMID: 406431
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90. Gal P, Jusko WJ, Yurchak AM, and Franklin BA, Theophylline Disposition in Obesity, Clin Pharmacol. Ther 23: 438-444 (1978). PMID: 630791
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98. Rose JQ. Barron SA, and Jusko WJ, Phenytoin Disposition in Smokers and Nonsmokers, Int. J. Clin. Pharmacol. Biopharm. 16: 547-550 (1978). PMID: 730422
99. Jusko WJ, Therapeutic Implications of Digoxin Kinetics in Impaired Renal Function, Proc. Int. Symposium on Cardiac Glycosides, G Bodem and HJ Dengler, Eds., Bonn-1977, pp. 265-272 (1978).
100. Rose JQ and Jusko WJ, Corticosteroid Analysis in Biological Fluids by High Performance Liquid Chromatography, J. Chromatogr. 162: 273-280 (1979). PMID: 528595
101. Schentag JJ, Lasezkay G, Plaut ME, Jusko WJ, and Cumbo TJ, Comparative Tissue Accumulation of Gentamicin and Tobramycin in Patients, J. Antimicrob. Chemother. 4 (Suppl. A): 23-30 (1978). PMID: 659346
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103. Schentag JJ, Cumbo TJ, Jusko WJ, Plaut ME, Gentamicin Tissue Accumulation and Nephrotoxic Reactions, JAMA 240: 2067-9 (1978). PMID: 702701
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106. Schentag JJ, Sutfin TA, Plaut ME, and Jusko WJ, Early Detection of Aminoglycoside Nephrotoxicity with Urinary Beta Microglobulin, J. Med. 9: 201-210 (1978). PMID: 84037
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