



Jorge Duconge, Ph.D.
Associate Professor of Pharmaceutical Sciences
Key Activity Leader, RCMI Center for Genomics in Health
Disparities and Rare Disorders

Dr. Jorge Duconge is an Associate Professor of pharmacokinetics and pharmacogenomics in the Department of Pharmaceutical Sciences at the School of Pharmacy, University of Puerto Rico Medical Sciences Campus.

Dr. Duconge obtained a Baccalaureate in Pharmacy (1995, Gold Medal Honors List); Master's degree in Experimental Pharmacology (1997); and a PhD degree (1999) from the School of Pharmacy, University of Havana. He also completed advanced training in pharmacokinetics at Cambridge University, UK in 1998; population pharmacokinetics at State University of New York at Buffalo in 2006, and pharmacometrics at the University of Auckland in New Zealand, 2003. He has also spent a mini-sabbatical at Hartford Hospital and the Genomas Laboratory of Personalized Health, CT in 2007, receiving hands-on training on DNA-typing.

His research areas include pharmacogenomics, pharmacokinetics, pharmacometrics and kinetics of drug action. From 1999 to 2004, Dr. Duconge headed the Pharmacokinetic Lab, Center for Biological Evaluation and Research in Havana, performing over 34 research projects and receiving 4 research grants. Since 2005 to date, he has completed a pharmacogenetic study to determine prevalence of CYP2C19 in the Puerto Rican population. He also developed a pharmacokinetic analysis of intermittent intravenous vitamin C infusions at high doses in prostate cancer patients. Currently, he is working on the physiogenomic analysis of the Puerto Rican population in order to infer their population structure and admixture pattern by using physiogenomic markers (PG-array), and also conducting pharmacogenetic association studies and developing a Puerto Rican-oriented DNA-guided algorithm for optimal warfarin management and dosing in Puerto Ricans. He is the author of 39 scientific publications including reviews, book chapters and research articles in peer-reviewed journals.

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Research Areas: Pharmacogenomics, pharmacokinetics, pharmacometrics and kinetics of drug action

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