Quinney, Sara Kay
Assistant Professor
Department of OB/GYN
Indiana University School of Medicine
Indianapolis, IN

EDUCATION:

Doctor of Pharmacy (Pharm.D.)	May, 2000
Purdue University, West Lafayette, Indiana	

Ph.D. in Pharmacy Practice   August, 2004
Purdue University, School of Pharmacy, West Lafayette, IN
Advisors: Daryl J Murry, Pharm.D.; William Bosron, Ph.D.

FURTHER EDUCATION:

Postdoctoral Fellowship, Clinical Pharmacology   2004-2007
Indiana University Division of Clinical Pharmacology
Mentor: Stephen Hall, Ph.D.

Postdoctoral Fellowship, Bioinformatics & Biostatistics   2007-2009
Indiana University, Department of Biostatistics
Mentor: Lang Li, Ph.D.

APPOINTMENTS:

Assistant Research Professor   2009-2013
Department of Obstetrics and Gynecology
Indiana University School of Medicine

Indiana Institute of Personalized Medicine   2011-present
Indiana University School of Medicine

Assistant Professor   2013-present
Department of Obstetrics and Gynecology
Indiana University School of Medicine

Assistant Professor   2013-present
Division of Clinical Pharmacology, Department of Medicine
Indiana University School of Medicine

Center for Computational Biology and Bioinformatics   2013-present
Indiana University School of Medicine

Associate Director   2015-present
Indiana CTSI Disease and Therapeutic Modeling Program
Indiana University School of Medicine

Associate Member   2015-present
Indiana University Melvin and Bren Simon Cancer Center
Indiana University School of Medicine

LICENSURE, CERTIFICATION, SPECIALTY BOARD STATUS:
Indiana Pharmacist   License Number: 26020156A   2000-present

PROFESSIONAL ORGANIZATION MEMBERSHIPS:

American Pharmaceutical Association (APhA)   2000-2006
International Society for the Study of Xenobiotics (ISSX)   2005-2006; 2013
American Society for Clinical Pharmacology and Therapeutics (ASCPT)   2004-present
        Special Populations Community (Translational and Precision Medicine Network)
        Pharmacometrics & Pharmacokinetics Community (Quantitative Pharmacology Network)
        Systems Pharmacology Community (Quantitative Pharmacology Network)
        Translational Informatics (Quantitative Pharmacology Network)
American Society of Pharmacometrics (ASOP)   2011-2012
International Society of Pharmacometrics (ISOP; formerly ASOP)   2012-present
        Quantitative Systems Pharmacology Special Interest Group

PROFESSIONAL DEVELOPMENT:
Title: *5th Annual Summer Institute in Maternal-Fetal Pharmacology (SI - Pharmacology)*
Sponsor: Canadian Institutes of Health Research - Institute of Human Development, Child and
                Youth Health (CIHR-IHDCYH) and the National Institute of Child Health and Human
                Development (NICHD) of the National Institutes of Health
Date: 7/12-17/2009

                Scientific Writing from the Readers Perspective
                Indiana University School of Medicine
                8/2009

                Write Winning Grants
                Indiana University School of Medicine
                9/21/2010

                *Hands-on Experience with Model-based drug development: Incorporating population
                variability into mechanistic prediction of PK and modeling PK-PD*
                Simcyp
                10/11-15/2010

                Teaching Skills in International Research Ethics (TaSkRIII)
                Indiana University School of Medicine
                April 12-14, 2011

                Facilitating Pediatric Research with Modeling and Simulation

The Children's Hospital of Philadelphia
4/23-25/2012

Leadership in Academic Medicine Program (LAMP)
Indiana University School of Medicine
8/2012 – 5/2013

Women in Medicine and Science Conference: Your Map, Your Goals
Indiana University School of Medicine
10/2/ 2012

Hands-on Experience with Model-based Drug Development: Incorporating population variability into mechanistic prediction of PK and modeling PK-PD
Simcyp/Certera
10/29/2012 – 11/2/2012

R for Pharmacometrics
Metrum Research Institute, Online Course
2/2013-6/ 2013

Introduction to Research Ethics
Indiana University School of Medicine
8/2013 – 12/ 2013

Simcyp focused workshop: Best Practice in PBPK Model Building
Simcyp/Certera
8/14/2016 – 8/15/2016

Simcyp focused workshop: Discovery
Simcyp/Certera
8/16/2016 – 8/17/2016

Getting started with Bayesian PKPD modeling using STAN
Metrum Research Group at ACoP7
10/23/2016

Simcyp focused workshop: Biologics
Simcyp/Certera
3/18/2019-3/19/2019

Simcyp focused workshop: Transporters
Simcyp/Certera
3/20/2019-3/21/2019

TEACHING:
TEACHING ASSIGNMENTS;
UNDERGRADUATE
Course: AHLTP570   Pharmacology for Physical Therapists
Role: Lecturer; Provided 2 didactic lectures
Term: Summer, 2004

93M1710   Foundation of Clinical Therapeutics
Small Group Discussion Facilitator
March, 2006

93M1710   Foundation of Clinical Therapeutics
Small Group Discussion Facilitator
March, 2010

93M1710   Foundation of Clinical Therapeutics
Small Group Discussion Facilitator
March, 2011

93M1710   Foundation of Clinical Therapeutics
Small Group Discussion Facilitator
March, 2013

93M1710   Foundation of Clinical Therapeutics
Small Group Discussion Facilitator
March, 2017

GRADUATE
Course: Bios598   Nonlinear Mixed Effects Models
Role: Co-Director
Term: Fall, 2009
Enrollment: 10

G747   Principles of Clinical Pharmacology
Lecturer on basic pharmacokinetic concepts
Spring, 2010

Physiological Disposition of Drugs
Lecturer on basic pharmacokinetic concepts
Spring, 2011

F813   Clinical Pharmacokinetics
Lecturer
Spring, 2012

INFO I-790   Informatics Research Rotation
Project director for Parth Kothiya

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Fall 2016

INFO B-691   Project in Health Informatics
Project director for Shilpa Katta
Fall 2016 - Spring 2017

INFO B-691   Project in Health Informatics
Project director for Haritha Alturi
Spring 2017

INFO B-691   Project in Health Informatics
Project director for Naga Mallika Sriramula
Summer – Fall 2018

INFO B-691   Project in Health Informatics
Project director for Keshav Vellure
Fall 2018

MENTORING:
Individual:

Program: Undergraduate Student/ Bridges to the Baccalaureate Program, IUSM
Dates: Summer, 2010
Role/Project: Laboratory mentor; developing HPLC assay for betamethasone

Jayanti Clay, MD
Medical Research Student, IUSM
November, 2010 – March, 2011
Research mentor; nifedipine analysis for OPRU study; drug pharmacokinetics in pregnancy
Current position: OB/GYN at Semar Community Health Center, Seattle, WA

Emmary Butler
Medical Research Student (93GO70), IUSM
December, 2011
Pharmacokinetic studies in pregnancy; clinical chart review of nifedipine for preterm labor

Kate Delany
Summer Undergraduate Research Student, IUSM
Summer, 2012
Evaluation of depression in pregnancy

Maria Vandenberg, MD
OB/GYN Resident, IUSM
2010-2012

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