



ACCP

AMERICAN COLLEGE OF CLINICAL PHARMACOLOGY®
Advancing Clinical Care through Pharmacology®

Symposia

TUESDAY, SEPTEMBER 17, 2019 | Symposium 14 | 1:30 – 5:00 PM

Emerging Technologies in Quantitative Pharmacology: Balancing Resources, Gaining Efficiencies & Cutting Costs

DEVELOPMENT TRACK

Offers both CME & CPE Credit

UAN #0238-0000-19-014-L01-P

ACPE – 3 CONTACT HOURS/KNOWLEDGE-BASED

CO-CHAIRS:

April M. Barbour, PhD, Director, Incyte Research Inst, Clinical Pharmacokinetics, Drug Metabolism & Biopharmaceutics

Navin Goyal, PhD, Director, GlaxoSmithKline plc, Clinical Pharmacology

TARGET AUDIENCE:

This Symposium will be useful for quantitative pharmacologists who wish to gain an understanding of emerging technologies for pharmacokinetic analyses.

GOALS & OBJECTIVES:

Following the completion of this activity, the learner will be able to:

1. Highlight the breadth of model-based drug development by examining historical and emerging technologies;
2. Examine the efficiencies of novel or emerging technologies and also the challenges that accompany implementation of new software;
3. Discuss the current application of novel tools and whether there is any risk, regulatory or other, of using novel tools compared to those which are considered the gold standard;
4. Describe where the field of quantitative pharmacology is going over the next 5–10 years with regard to which tools may become more or less applied.

1:30 – 1:40 PM

Emerging Technologies in Quantitative Pharmacology: An Introduction

Navin Goyal, PhD, Director, GlaxoSmithKline plc, Clinical Pharmacology

1:40 – 2:00 PM

Applied & Emerging Technologies for Model-based Drug Development

April M. Barbour, PhD, Director, Incyte Research Inst, Clinical Pharmacokinetics, Drug Metabolism & Biopharmaceutics

2:00 – 2:25 PM

An Industry Perspective on Allocating Resources & Balancing Budgets in a Diversifying Field

Megan Gibbs, PhD, BScPharm, Vice President, AbbVie Inc, Clinical Pharmacology & Pharmacometrics Therapeutic Areas

2:25 – 3:00 PM

An Academic Perspective on Training the Future Quantitative Pharmacologist: Casting a Wide Net or Choosing an Area of Expertise

Richard C. Brundage, PhD, Professor, Univ of Minnesota, Experimental & Clinical Pharmacology

3:00 – 3:30 PM / **Break**

3:30 – 4:00 PM

A Regulatory Perspective on Conducting & Reviewing Analyses Which Utilize Emerging Technologies

Yaning Wang, PhD, Director, US Food & Drug Administration, Pharmacometrics, Office of Clinical Pharmacology, CDER

4:00 – 4:40 PM

Considerations & Future Directions for the Development of Open-source Pharmacometric Software

Marc R. Gastonguay, PhD, Chief Executive Officer & Founder, Metrum Research Group

4:40 – 5:00 PM

Faculty Panel Discussion, Questions & Answers, Learner Feedback & Evaluations