Title of the workshop

Interactive and animated web graphics in Pharmacometrics

Workshop target audience

Everyone

Maximum Participants: 30

Time: 13h00 – 16h00

Date: 6th April 2020

Registration Fees: $25 / R 400

Workshop faculty

Samer Mouksassi, Certara, Université de Montréal, Lebanese American University

Since 2007, Dr Samer Mouksassi has been responsible for implementing model-based drug development, PK/PD modeling and simulation, advanced statistics, realistic clinical trial simulations to his teamed helped sponsors with numerous successful regulatory approvals from FDA, MEA and Japan. In 2014, he started applying his expertise within the Knowledge Integration Quantitative Sciences team at the Bill and Melinda Gates Foundation to support various Global Health programs such as the Maternal, Neonatal, and Child Health Initiative. Samer has a passion for teaching and producing state-of-art informative graphics with latest technologies. His ggquickeda and coveffectsplot R packages focus on exploratory data analysis.

Pavan Vaddady, Principal Scientist, Merck Sharp & Dohme, USA

Pavan Vaddady currently serves as one of the Scientific Leads for Pharmacometrics in the Quantitative Pharmacology and Pharmacometrics group at MSD. Since 2011, he lead several early and late development programs across multiple therapeutic areas as a clinical pharmacologist and applied model informed approaches to impact key drug development decisions. He developed innovative tools (ModViz) and leveraged novel methodologies such as Bayesian approaches, adherence modeling, comparator modeling, design optimization, and data visualization towards decision making. He is also passionate about teaching and mentoring colleagues and has delivered comprehensive courses and tutorials on NONMEM, R, and Shiny for pharmacometricians. He obtained his B. Pharm. (Hons.), and M. Pharm. from the Birla Institute of Technology and Science, Pilani, India and his Ph.D. in pharmaceutical sciences from the University of Tennessee Health Science Center, Memphis, USA.
Workshop Learning Objectives

Get introduced to interactive and animated graphics

Workshop Timetable

13:00-16:00

Requirements

Participants are expected to bring their laptops with R and Rstudio pre-installed. Required libraries: ggplot2, gganimate. A pre-existing knowledge of ggplot2 is a big plus.