

3rd Annual AI/ML in Pediatric Research: Medical & Pharmaceutical Perspectives

Oct. 25, 2023 Day 2 – AI/ML in Pediatric Research Symposium Hands-on workshop

Time	Topic	
8:00 – 8:15	Welcome – Opening Remarks	Chair - Luis Ahumada, Ph.D., MSCS
8:15 – 12:30	Hands On Workshop -	Geoffrey M. Gray, Ph.D. Predictive Analytics Lead Data Scientist,
12:30 – 1:00	Wrap up and Q & A	

Oct. 26, 2023 Day 2 – AI/ML in Pediatric Research Symposium

Time	Speaker	Topic
8:00 – 8:15	AI/ML in Pediatrics Research Perspective	Chair - Luis Ahumada, Ph.D., MSCS
8:15 – 8:45	Large Language Models in Medicine and Healthcare	Yonghui Wu, Ph.D. Associate Professor, Department of Health Outcomes & Biomedical Informatics University of Florida College of Medicine, Director of Natural Language Processing
8:45 – 9:15	Why Consistent Change Works Best From The Factory Floor with BPM and AI/ML being a central connector	Michal Wierchowski VP Digital Transformation, Operations <i>Being presented by Marcos Garcia</i> Operations Director Digital Factory
9:15 – 9:45	AI/ML in Development of Long-acting Injectable Drugs	Christine Allen, Ph.D. Professor, University of Toronto; President, Controlled Release Society
9:45 – 10:15	AI-Powered Pharma: Transforming the Future of Healthcare?	Juan Piacquadio, Ph.D. CIO & VP IT at Phlow Corporation
10:15 – 10:30	Q & A	
10:30 – 10:45	Break	
10:45 – 11:00	AI/ML in Pharmaceutical Research Perspective	Co-Chair - Daniel Schaufelberger, Ph.D.
11:00 – 11:30	Data Analytics in Taste Characterization and Palatability Assessment of Pediatric Formulations	Aruna Railkar, Ph.D. Dennis Henderson, Ph.D. Quotient Sciences
11:30 – 12:00	PBPK Assisted Pediatric Dosage Form Development	Hibreniguss Terefe, Ph.D. Catalent Pharma Solutions
12:00 – 12:45	Lunch	
12:45 – 1:15	Quadrant 2®: An AI/ML platform for Solubility and Bioavailability Enhancement for Oral Pediatric Drug Development	Sanjay Konagurthu, Ph.D. ThermoFisher
1:15– 1:45	ZoomLab™- Modelling for Drug Product Development	Sandip Tiwari, Ph.D. Ferdinand Brandl, Ph.D. BASF
1:45 – 2:15	GenAI on FHIR: Accelerating Pediatric Cancer Research	Ashwini Davison, M.D., FACP, FAMIA Healthcare Executive Advisor Amazon Web Services Rod Tarrago, M.D. Healthcare Executive Advisor
2:15 – 2:40	Q & A	
2:40 – 2:45	Wrap Up	