

58th International Conference on Drug Development (ICD²)

February 26 & 27, 2018 • Austin, Texas

ICD² • Day I • Monday February 26, 2018

12:00	LUNCH	<i>Hill Country Dining Room</i>
1:00	Welcome and Opening Remarks <i>Conference Theme: Challenges of Public Health and Scientific Advances in Biomedicine in the 21st Century – Affordability of Drugs by Leveraging Digital Technologies to Transform Drug Development and Regulatory Risk-Benefit Models – Innovation in Manufacturing Technologies</i>	<i>The Forum</i> Salomon Stavchansky, Ph.D. ICD2 Conference Scientific Chair Alcon Centennial Professor of Pharmaceutics Molecular Pharmaceutics and Drug Delivery University of Texas at Austin College of Pharmacy
1:30	Round Table Presentations: <i>Challenges of Digital Technology and Biomedical Sciences in the 21st Century. Implementation of the 21st Century Cures Act and PDUFA IV – Leveraging Digital Technologies – Part A</i>	
1:30	CDER Perspective – 21st Century Cures Act and PDUFA VI – Implementation and Deliverables <i>Introduction by Arthur A. Ciociola, Ph.D., FACG, Global Franchise Head, Regulatory Affairs, Novartis Pharmaceuticals Ophthalmology</i>	Janet Woodcock, M.D. Director Center for Drug Evaluation and Research US Food and Drug Administration
2:10	Strategic and Policy Reforms to Improve Clinical Outcomes and Access to Quality Drugs and Medical Digital Technologies in the 21st Century <i>Introduction by Arthur A. Ciociola, Ph.D., FACG, Global Franchise Head, Regulatory Affairs, Novartis Pharmaceuticals Ophthalmology</i>	Mark B. McClellan, M.D., Ph.D. Director & Margolis Professor of Business Medicine and Policy Margolis Center for Health Policy Duke University
2:50	Round Table Discussion: Woodcock & McClellan <i>Challenges of Digital Technology and Biomedical Sciences in the 21st Century. Implementation of the 21st Century Cures Act and PDUFA IV – Leveraging Digital Technologies – Part A</i> <i>Discussion Moderated by Arthur A. Ciociola, Ph.D., FACG, Global Franchise Head, Regulatory Affairs, Novartis Pharmaceuticals Ophthalmology</i>	
3:15	BREAK	<i>Outside Forum</i>
3:30	Round Table Presentations: <i>Challenges of Digital Technology and Biomedical Sciences in the 21st Century. Implementation of the 21st Century Cures Act and PDUFA IV – Leveraging Digital Technologies – Part B</i>	
3:30	CDRH Perspective – 21st Century Cures Act and MDUFA VI – Implementation and Deliverables <i>Introduction by Andrea Masciale, VP, Regulatory Policy and Global Analytics, Johnson & Johnson Worldwide Government Affairs and Policy</i>	Ed Margerrison, Ph.D. Director Office of Science and Engineering US Food and Drug Administration
4:00	CBER Perspective – 21st Century Cures Act and BSUFA VI – Implementation and Deliverables <i>Introduction by Andrea Masciale, VP, Regulatory Policy and Global Analytics, Johnson & Johnson Worldwide Government Affairs and Policy</i>	Celia Witten, M.D., Ph.D. Deputy Director Center for Biologics Evaluation and Research US Food and Drug Administration
4:30	PhRMA's Expectations – 21st Century Cures Act and PDUFA VI – Implementation and Deliverables <i>Introduction by Nicholas Pelliccione, Ph.D., VP, Regulatory Affairs, Turing Pharmaceuticals</i>	Richard Moscicki, M.D. Chief Medical Officer Executive Vice President Pharmaceutical Research and Manufacturers of America
5:00	BIO's Expectations – 21st Century Cures Act and PDUFA VI – Precision Medicine - Implementation and Deliverables <i>Introduction by Kay Holcombe</i>	Cartier Esham, Ph.D. Executive Vice President for Emerging Companies Biotechnology Innovation Companies (BIO)
5:30	Round Table Discussion: Panel of Afternoon Speakers <i>Challenges of Digital Technology and Biomedical Sciences in the 21st Century. Implementation of the 21st Century Cures Act and PDUFA IV – Leveraging Digital Technologies – Part B</i> <i>Discussion Moderated by Kay Holcombe</i>	
6:15	WELCOME RECEPTION	<i>Outside The Forum</i>
6:45	DINNER	<i>Canyons Dining Room</i>
7:30	Keynote Presentation Communicating Uncertainty in Decision Analytics to Facilitate Drug Development and Regulatory Evaluation <i>Introduction by Mehul Mehta, Ph.D., Director, Division of Clinical Pharmacology, Center for Drug Evaluation and Research, US Food and Drug Administration</i>	Baruch Fischhoff, Ph.D. Howard Heinz University Professor Department of Engineering and Public Policy Institute for Politics and Strategy Carnegie Mellon University

ICD² • Day II • Tuesday February 27, 2018

7:40	Continental Breakfast		<i>Outside The Forum</i>
8:30	Round Table Presentations: <i>At the Intersection of Digital Technologies and Therapeutics. Incorporating Real World Evidence in Drug Development – Part A</i>		
9:00	Challenges and Opportunities in Chemistry Manufacturing Controls in the Age of Personalized Medicine – FDA Perspective <i>Introduction by Sarah Pope Miksinski, Ph.D., Senior Director and Group Manager, GMD, Astra Zeneca</i>	Wendy Wilson-Lee, Ph.D. Branch Chief (Actg), Branch I Center for Drug Evaluation and Research US Federal Drug Administration	
9:30	Drug Development Acceleration Clinical Relevance and Harmonization – ICH Future <i>Introduction by Charles Hoiberg, Ph.D., Executive Director, Global Regulatory CMC Group, Pfizer</i>	Peter Honig, M.D., M.P.H. Senior Vice President and Head of Worldwide Safety and Regulation, Pfizer	
10:00	Round Table Discussion: Panel of Morning Speakers <i>At the Intersection of Digital Technologies and Therapeutics. Incorporating Real World Evidence in Drug Development – Part A</i> Joined by: Paul Seo, Ph.D. Lead (Acting), Biopharmaceutics Staff, Office of New Drug Quality Assessment Center for Drug Evaluation and Research US Food and Drug Administration <i>Discussion Moderated by Sarah Pope Miksinski, Ph.D., Senior Director and Group Manager, GMD, Astra Zeneca</i>		
10:30	BREAK		<i>Outside The Forum</i>
10:50	Round Table Presentations: <i>At the Intersection of Digital Technologies and Therapeutics. Incorporating Real World Evidence in Drug Development – Part B</i>		
10:50	Industry Perspective of Digital Technologies in Drug Development and Therapeutics – Digital Drugs? <i>Introduction by Kenneth I. Kaitin, Ph.D. Professor and Director, Tufts Center for the Study of Drug Development Tufts University</i>	Andrew Wright Vice President of Digital Medicines Otsuka Pharmaceutical	
11:10	Pharma’s Perspective of Digital Technologies in Drug Development and Therapeutics <i>Introduction by Gretchen Trout, Head, North America Policy & FDA Liaison, Regulatory Affairs, Novartis Pharmaceuticals Corp.</i>	Jacob LaPorte, Ph.D. Head of Digital Technology Novartis	
11:30	Otsuka’s Regulatory Experience in the Journey of Digital Medicine Drug Development <i>Introduction Pravin Jadhav, Ph.D. M.P.H., M.Pharm, Senior Director, Corporate Projects, R&D Innovation, Otsuka Pharmaceutical Development and Commercialization</i>	Henrietta Ukwu, M.D., FACP, FRAPS Senior Vice President Head, Global Quality & Global Regulatory Affairs Otsuka Pharmaceutical	
11:40	Round Table Discussion: Panel of Morning Speakers <i>At the Intersection of Digital Technologies and Therapeutics. Incorporating Real World Evidence in Drug Development – Part B</i> <i>Discussion Moderated by Pravin Jadhav, Ph.D. M.P.H., M.Pharm, Senior Director, Corporate Projects, R&D Innovation, Otsuka Pharmaceutical Development and Commercialization</i>		
12:10	LUNCH		<i>Hill Country Dining Room</i>
1:30	Round Table Presentations: <i>At the Intersection of Digital Technologies and Therapeutics. Incorporating Real World Evidence in Drug Development – Part C</i>		

1:30	Innovative Clinical Trail Design for Pediatric Therapeutics – Clinical Endpoints and Digital Therapeutics. Real World Evidence Data at the Basis for Pediatric Labeling <i>Introduction by Gretchen Trout, Head, North America Policy & FDA Liaison, Regulatory Affairs, Novartis Pharmaceuticals Corp.</i>	Gary Noel, M.D. Pediatric Infectious Disease Chair, Janssen's Pediatric Advisory Committee Drug Development Center of Excellence at J&J
1:50	Medicine and Translational Science – Real World Evidence - What is the Evidencing Basis for Regulatory Decision Making? <i>Introduction by Kenneth I. Kaitin, Ph.D. Professor and Director, Tufts Center for the Study of Drug Development Tufts University</i>	Justin T. Baker, M.D., Ph.D. Assistant Professor & Director of Functional Neuroimaging & Bioinformatics Schizophrenia and Bipolar Disorder Program Scientific Director Institute for Technology in Psychiatry McLean Hospital, Harvard Medical School
2:10	Application of Artificial Intelligence (AI) in Drug Discovery <i>Introduction John Engel, Esq., Founder & Managing Member, Engel Novitt, PLLC</i>	Henry Chen, MBA Principal Offering Manager IBM Watson for Drug Discovery
2:30	Round Table Discussion: Panel of Afternoon Speakers <i>At the Intersection of Digital Technologies and Therapeutics. Incorporating Real World Evidence in Drug Development – Part C</i> <i>Discussion Moderated by Pravin Jadhav, Ph.D. M.P.H., M.Pharm, Senior Director, Corporate Projects, R&D Innovation, Otsuka Pharmaceutical Development and Commercialization</i>	
3:00	<i>Outside The Forum</i>	
3:15	Round Table Presentations: <i>Overcoming Regulatory Challenges in the Age of Personalized Therapy</i>	
3:20	CBER Regulatory Perspective: Ethical, Legal and Regulatory Issues of Personalized Therapies <i>Introduction by Paula Rinaldi, North American Head of DRA, Novartis Pharmaceuticals</i>	Celia Witten, M.D., Ph.D. Deputy Director Center for Biologics Evaluation and Research US Food and Drug Administration
3:40	Pharma's Perspective: Overcoming Implementation and CMC Challenges of Personalized Therapy – Case Study I – CAR-T Technologies <i>Introduction by Paula Rinaldi, North American Head of DRA, Novartis Pharmaceuticals</i>	Shanthi Ganesham, Ph.D. Head of Oncology North American Regulatory Affairs Novartis Pharmaceuticals
4:10	Pharma's Perspective: Therapeutic Genome Editing: Prospects and Challenges- Precision of Zinc Finger Nucleases Technology – Case Study II <i>Introduction by Lisa A. Shipley, Ph.D., Vice President & Global Head Pharmacokinetics, Pharmacodynamics & Drug Metabolism, Merck & Co., Inc.</i>	Michael Holmes, Ph.D. Vice President, Research Sangamo Therapeutics
4:30	Round Table Discussion: Panel of Morning Speakers <i>Overcoming Regulatory Challenges in the Age of Personalized Therapy</i> <i>Discussion Moderated by Lisa A. Shipley, Ph.D., Vice President & Global Head Pharmacokinetics, Pharmacodynamics & Drug Metabolism, Merck & Co., Inc.</i>	
5:00	<i>Outside The Forum</i>	
6:00	<i>Canyons Dining Room</i>	
7:00	FDA Panel Discussion Discussion Focus: Digital Technologies & Therapeutics, Emerging Manufacturing Technology and Regulation, Emerging Technologies in Gene Therapies, Regulatory Harmonization and ICH's Future. <i>Moderated by Gerald J. Yakatan, Ph.D., Director, Founder and Chairman, IrisSys, Inc.</i>	FDA Panel FDA Representatives and Guests
2018 ICD² • Concludes		
Wednesday Morning Breakfast (optional) <i>Inform Check in Staff at Foothills Dining Room that you are with ICD²</i>		<i>Hill Country Dining Room</i>