



**NEW HORIZONS
FOR GLOBAL OUTREACH**



Important Dates & General Information

Wednesday, DECEMBER 20, 2023, 4:00 PM EDT

Early Bird Registration Deadline

Friday, JANUARY 25, 2024, 4:00 PM EDT

Advanced Registration Deadline

Wednesday, MARCH 6, 2024

Hotel Reservation Deadline

TARGET AUDIENCE

The intended audience for ASCPT 2024 is clinical pharmacologists, translational scientists, and other scientists in the early phase drug discovery, development, regulatory, and utilization space.

ADA COMPLIANCE

ASCPT makes every effort to comply with the Americans with Disabilities Act. For additional information, please contact ASCPT at (703) 836-6981, ext. 105 or 108 or via email at meetings@ascpt.org.

REGISTRATION, HOTEL, AND TRAVEL INFORMATION

Annual Meeting attendees are required to register for the Annual Meeting prior to booking their hotel accommodations for the in-person conference. Booking information will be provided in registration confirmations. For detailed information regarding Annual Meeting registration, securing housing, and travel information for Colorado Springs, visit www.ascpt.org.

ASCPT NETWORKS AND COMMUNITIES

As the primary forum for member exchange and networking, ASCPT's Networks and Communities promote interaction among members who share a common field of interest. All education sessions will correlate to Networks/Communities to help assist in planning your Annual Meeting experience. Network and Community year-round webinars and meetings are announced as confirmed on www.ascpt.org.

ASCPT PARTNERSHIP OPPORTUNITIES

ASCPT offers unique and innovative opportunities to reach your target audience and maximize your ROI. Interested in learning more about becoming a partner? Contact lisa@ascpt.org for partner opportunities.



**NEW HORIZONS
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PRE-CONFERENCE PROGRAMS

Empowering Clinical Pharmacologists and Translational Scientists Using Artificial Intelligence: Unlocking Potential with Cutting-Edge Use Cases

Tuesday, March 26, 2024, 8:30 AM – 5:30 PM

*Co-Sponsored by the IQ consortium AI/ML working group and Internal Society of Pharmacometrics (ISoP)

Chairs:

- Mohamed Shahin, PhD, Pfizer
- James Lu, PhD, Genentech
- C.J. Musante, PhD, Pfizer

For many years, clinical pharmacologists have been using mathematical models to represent physiological processes and explore the relationships between drugs and changes in PK/PD over time. The rapid advancements in imaging, diagnostics, computing, and communication technologies have created a vast data landscape that clinical pharmacologists now need to navigate.

While various Artificial Intelligence (AI) techniques have proven to be powerful computational approaches in other data-rich fields, their application in clinical pharmacology is still in its early stages. Implementing AI in clinical pharmacology and translational science holds the potential to develop more effective therapies and address patients' unmet clinical needs more efficiently and quickly. Demonstrating successful case studies and best practices of AI use by clinical pharmacologists and translational scientists is crucial for broader adoption in these fields, both regionally and globally.

This Pre-Conference will showcase different aspects of AI used in clinical pharmacology and translational science, including cutting-edge AI tools, commonly used data sources, and successful case studies and applications. We will feature interdisciplinary teams presenting how AI has improved prediction models in both clinical settings and drug development. Additionally, this Pre-Conference will explore the potential opportunities of using large language models like ChatGPT and other medical foundational models to establish a better paradigm for incorporating AI in clinical pharmacology and drug development.

Learning Objectives:

1. Upon completion, participants will gain insights into the various AI-driven applications in drug development, dosing optimization, translational science, biomarker discovery, and disease modeling.
2. Upon completion, participants will learn about potential applications of large language models in clinical pharmacology and translational sciences, including literature mining, hypothesis generation, and enhancing communications between stakeholders.
3. Upon completion, participants will understand the regional and international disparities that limit the wide adoption of AI in clinical pharmacology and translational science and potential solutions to promote global applications in these fields.



NEW HORIZONS FOR GLOBAL OUTREACH



Tuesday, March 26, 2024, 8:30 AM – 5:30 PM

Clinical Trial Diversity & Inclusion: How Clinical Pharmacology Can Support the Implementation of Regulatory Guidance on Diversity Plan

Chairs:

- Aarti Sawant, PhD, AstraZeneca
- Rashmi Mehta, PhD, GlaxoSmithKline

In a recent FDA draft guidance (April 2022), the FDA recommends that sponsors developing investigational medical products enroll an adequate number of trial participants from under-represented populations and prepare a diversity plan. Generating a diversity plan in early clinical development can be a challenging task as safety and tolerability of investigational products across diverse populations is not fully established.

In this pre-conference, experts from industry, academia, IQ, and regulators will discuss how to utilize clinical pharmacology tools in drug development to implement the guidance and generate diversity plans. Case study presentations will demonstrate how clinical pharmacology concepts can be used to increase enrollment of under-represented populations in clinical trials by enhanced understanding of the disposition of molecules, performing risk assessments using M&S (determine restrictions on concomitant medications or in organ impairment), developing well-designed clinical trials (e.g. inclusion of Asian cohort in Phase 1 study), and applying technologies to enable DCT. An interactive workshop session will reinforce the key learning points of the presentations and case studies.

Learning Objectives:

1. Obtain an understanding of how to utilize clinical pharmacology tools to implement the guidance on diversity plans to increase the participation of under-represented populations in clinical trials.
2. Learn from case studies where clinical pharmacology practices have resulted in increased enrollment in subsequent trials.
3. Foster collaboration and advance the efforts towards increased diversity in clinical trials.



**NEW HORIZONS
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ASCPT Annual Meeting PRELIMINARY SCHEDULE AT A GLANCE

6:30 AM – 5:00 PM
ASCPT INFO DESK AND REGISTRATION OPEN

TUESDAY, MARCH 26, 2024

7:30 AM – 5:00 PM
ASCPT INFO DESK AND REGISTRATION OPEN

8:30 AM – 5:30 PM
PRE-CONFERENCE

Empowering Clinical Pharmacologists and Translational Scientists Using Artificial Intelligence: Unlocking Potential with Cutting-Edge Use Cases

PRE-CONFERENCE

Clinical Pharmacology Concepts to Address the FDA Recommendation for a Clinical Trial Diversity Plan

WEDNESDAY, MARCH 27, 2024

11:00 AM – 6:30 PM
ASCPT INFO DESK AND REGISTRATION OPEN

2:00 PM – 3:00 PM
OPENING SESSION

3:00 PM – 4:00 PM
Dolores Shockley Diversity and Inclusion in Clinical Research Award Lecture
Attaining Equity of Access to Research

SPEAKER

Catriona Waitt, PhD, University of Liverpool

4:00 PM – 5:00 PM
Deep Science Session

Meet the Expert: Real World Data in Drug Development and Utilization (Part 1)

CHAIRS:

Naomi Gronich, MD, Technion

Mohamed Elmeliegy, PhD, Pfizer

SPEAKERS:

Linda Kalilani, MSc, PhD, GlaxoSmithKline

Emily Bratton, MPH, PhD, IQVIA

Elisabetta Patorno, MD, PhD, Harvard Medical School



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5:00 PM – 6:30 PM
OPENING RECEPTION

POSTER SESSION: PRESIDENTIAL TRAINEE SHOWCASE & POSTERS and POSTER SESSION I

5:20 PM – 5:50 PM
POSTER WALK I

5:55 PM – 6:25 PM
POSTER WALK II

THURSDAY, MARCH 28, 2024

7:00 AM – 6:30 PM
ASCPT INFO DESK AND REGISTRATION OPEN

7:00 AM – 8:00 AM
BREAKFAST

8:15 AM – 9:15 AM
STATE OF THE ART LECTURE

SPEAKER
Kelly Chibale, PhD, H3D Research Centre
Drug Discovery Out of Africa

9:30 AM – 10:30 AM
Deep Science Session
Meet the Expert: Real World Data in Drug Development and Utilization (Part 2)

CHAIRS
Naomi Gronich, MD, Technion
Mohamed Elmeliegy, PhD, Pfizer

SPEAKERS
Linda Kalilani, MSc, PhD, GlaxoSmithKline
Emily Bratton, MPH, PhD, IQVIA
Elisabetta Patorno, MD, PhD, Harvard Medical School

9:30 AM – 10:30 AM
SCIENTIFIC SESSION
Is Pharmacogenetic Testing a Vital Tool for Enhancing Therapeutic Management of Patients Worldwide?

CHAIRS
Piet van der Graaf, PhD, PharmD, Certara
Kathleen Giacomini, PhD, University of California San Francisco



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SPEAKERS

Henk-Jan Guchelaar, PharmD, PhD, Professor, Leiden University

David Greenblatt, MD, Professor, Tufts University

Karen Brown, PharmD, Research Scientist, University of Montana

Neil Hanchard, PhD, Clinician Investigator, National Institute of Health

9:30 AM – 10:30 AM

SCIENTIFIC SESSION

Transporter Research for Global Outreach: Unleashing the Power of Everything, Everywhere, All at Once

CHAIRS

Sook Wah Yee, PhD, University of California San Francisco

Kit Wun Kathy Cheung, PharmD, Genentech

SPEAKERS

Vikram Arya, PhD, US Food and Drug Administration

Jashvant D. Unadkat, PhD, University of Washington

Sibylle Neuheff, PhD, Certara

10:30 AM – 11:00 AM

NETWORKING BREAK

11:00 AM – 11:45 AM

AWARD LECTURE

Leon Goldberg Early Investigator Award Lecture

TITLE TBD

SPEAKER

Guari Rao, PharmD, University of North Carolina

11:00 AM – 11:45 AM

FEATURED SPEAKER

SPEAKER

Rada M. Savic, PhD, University of California, San Francisco

TITLE TBD

11:00 AM – 12:00 PM

SCIENTIFIC SESSION

11:00 AM – 12:00 PM

SCIENTIFIC SESSION

Novel Advancements in the Treatment of Mood and Anxiety Disorders in Children and Perspectives on Implementation and Outreach in Underserved Communities



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CHAIRS

Nithya Srinivas, PhD

Stephani Stancil, PhD, University of Missouri

SPEAKERS

Jeffrey Strawn, MD, University of Cincinnati

Stephani Stancil, PhD, University of Missouri

Arjun Athreya, PhD, Mayo Clinic

Erica L. Woodahl, PhD, University of Montana

SCIENTIFIC SESSION

Equity, Data, and Representation in Real-World Clinical Trials and Virtual Populations

CHAIRS

Kyunghee Yang, PhD, Simulations Plus

Daniel Gonzalez, PharmD, PhD, Duke University

SPEAKERS

Jeffrey Woodhead, PhD, Simulations Plus

Murali Ramanathan, PhD, University at Buffalo

12:00 PM – 1:30 PM

LUNCH BREAK

1:30 PM – 3:00 PM

PATIENT FORUM

MODERATOR

John Wagner, MD, PhD, Koneksa Health

SPEAKERS

Diane Stephenson, PhD, Critical Path Institute

Sarah Dolan, Patient

Qi Liu, PhD, US Food and Drug Administration

3:00 PM – 3:00 PM

NETWORKING BREAK

3:30 PM – 4:30 PM

Oral Abstract Session

CHAIRS

TBD

SPEAKERS

TBD



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3:30 PM – 4:30 PM

SCIENTIFIC SESSION

Harnessing the Power of Image-Based Biomarkers: Advancing Model-Informed Precision Medicine

CHAIRS:

Jagdeep Podichetty, PhD, Critical Path Institute

Nadia Terranova, PhD, Ares Trading S. A.

SPEAKERS:

Laurent Dercle, MD, PhD, Columbia University Irving Medical Center

Nadia Terranova, PhD, Director, Head of Advanced Data Analytics in Quantitative Pharmacology, Ares Trading S.A, an affiliate of Merck KGaA

Sarah Kim, PhD, University of Florida

3:30 PM – 4:15 PM

AWARD LECTURE

Sheiner-Beal Pharmacometrics Award Lecture

Revolutionizing PK/PD Analysis through the Development of Modeling Software and Training

SPEAKER

Amy Racine-Poon, PhD, Novartis

3:30 PM – 4:15 PM

AWARD LECTURE

2023 Darrell Abernethy Early Stage Investigator Award Lecture

TITLE TBD

SPEAKER

Zhu Zhou, PhD, City University of New York

5:00 PM – 6:30 PM

President's Networking Reception

FRIDAY, MARCH 29, 2024

6:30 AM – 12:00 PM

ASCPT INFO DESK AND REGISTRATION OPEN

7:00 AM – 8:00 AM

Network/Community Networking Breakfast

8:15 AM – 9:00 AM

FEATURED SPEAKER



NEW HORIZONS FOR GLOBAL OUTREACH



SPEAKER

Karthik Venkatakrishnan, PhD, EMD Serano

Opportunities for Quantitative Clinical Pharmacology from Translational to Global Drug Development

8:15 AM – 9:15 AM

SPECIAL SESSION

Unleashing Your Leadership Potential via Volunteering and Networking within ASCPT: A Journey of Growth

CHAIRS:

Charul Avachat, MS, University of Minnesota

Mohamed Shahin, PhD, Pfizer

SPEAKERS:

Karen Rowland Yeo, PhD, Certara UK

Anuradha Ramamoorthy, PhD, US Food and Drug Administration

Shravani Etrouth, PharmD, Clinical pharmacist intern, AIG Hospitals

Sharon Swan, MS, CAE, CEO Emeritus, ASCPT

8:15 AM – 9:15 AM

SCIENTIFIC SESSION

Wheel of (Mis)Fortune: Global Partnerships to Tackle Pediatric Infectious Diseases

CHAIRS

Amy Cheung, PhD, Certara

Lionel Tan, MD, PhD, ViiV

SPEAKERS

TBD

9:30 AM – 10:30 AM

STATE OF THE ART LECTURE

SPEAKER

Delali Attiogbe Attipoe, DNDi

TITLE TBD

10:30 AM – 11:00 AM

NETWORKING BREAK

11:00 AM – 11:45 AM

AWARD LECTURE

Oscar B. Hunter Career Award in Therapeutics

TITLE TBD

SPEAKER

Kathleen Giacomini, PhD, University of California San Francisco



NEW HORIZONS FOR GLOBAL OUTREACH



11:00 AM – 12:00 PM

SCIENTIFIC SESSION

ChatGPT

CHAIRS:

Suraj Bhansali, PhD, Excelra

Brian Cicali, PhD, University of Florida

SPEAKERS:

Hao Zhu, PhD, US Food and Drug Administration

Paul Liang, MS, Carnegie Mellon University

Wesley Anderson, PhD, Critical Path Institute

11:00 AM – 12:00 PM

SCIENTIFIC SESSION

Fountain of Youth: Fighting Aging to Prevent Age-Related Diseases

CHAIRS:

Aline Barth, PhD, Pfizer

Lei Zhang, PhD, US Food and Drug Administration

SPEAKERS:

Aline Barth, PhD, Pfizer

Janice Schwartz, MD, Professor, University of California San Francisco

James Kirkland, MD, PhD, Mayo Clinic

11:00 AM – 12:00 PM

SCIENTIFIC SESSION

Expanding Regulatory Science: Regulatory Complementarity & Reliance

CHAIRS:

Ted Grasela, PharmD, PhD, Azimuth Global Health Consulting

David Wesche, MD, PhD, Certara

SPEAKERS:

Jackson Mukonzo, PhD, Makerere University

Helen Ndagije, PhD, National Drug Authority

Yow-Ming Wang, PhD, US Food and Drug Administration

Ian Hudson, MD, Bill & Melinda Gates Foundation

12:00 PM – 1:30 PM

LUNCH

1:30 PM – 2:15 PM

AWARD LECTURE

Rawls-Palmer Progress in Medicine Award Lecture



NEW HORIZONS FOR GLOBAL OUTREACH



Advancing Clinical Pharmacology with the Science of Hepatic Transporters: Impact on Drug Development and Patient Care

SPEAKER

Kim Brouwer, PharmD, PhD, University of North Carolina

1:30 PM – 2:30 PM

SCIENTIFIC SESSION

Leveraging Artificial Intelligence and Machine Learning to Facilitate Individualized Precision Dosing

CHAIRS

Tomoyuki Mizuno, PhD, Cincinnati Children's Hospital Medical Center

Iris Minichmayr, PhD, Uppsala University

SPEAKERS

Jean-Baptiste Woillard, PharmD, PhD, Limoges University Hospital

Jasmin Hughes, PhD, InsightRX

Ethan Poweleit, BS, University of Cincinnati

1:30 PM – 2:30 PM

SCIENTIFIC SESSION

Expanding Horizons of Quantitative Clinical Pharmacology Globally- What to Expect and Get Ready for Next Decade?

CHAIRS:

Ravi Singh, PHD, Pfizer

Neeraj Gupta, PhD, Takeda

SPEAKERS:

Akintunde Bello, PhD, Bristol Myers Squibb

Amita Joshi, PhD, Genentech

Adeniyi Olagunju, PhD, University of Liverpool

1:30 PM – 2:30 PM

SCIENTIFIC SESSION

Psychedelics: New Horizons for the Treatment of Psychiatric Disorders that Deteriorate Global Human Health

CHAIRS:

Robert Stratford, Jr., PhD, Otsuka-US

Gina Pastino, PhD, Cerevel Therapeutics

SPEAKERS:

John McCorvy, PhD, Medical College of Wisconsin

Matthew Johnson, PhD, Johns Hopkins University

2:30 PM – 3:00 PM

NETWORKING BREAK



NEW HORIZONS FOR GLOBAL OUTREACH



3:00 PM – 4:00 PM

Scientific Session

When AI Meets Drug Development

CHAIRS

Zhu Zhou, PhD, City University of New York

Liang Zhao, PhD, US Food and Drug Administration

SPEAKERS

Zhu Zhou, PhD, City University of New York

Anshul Kanakia, PhD, AstraZeneca

Mark Sale, MD, Certara

Liang Zhao, PhD, US Food and Drug Administration

3:00 PM – 4:00 PM

SCIENTIFIC SESSION

Revolutionizing the Clinical Research for Long-Acting Injectables: What to Expect Globally?

CHAIRS

Navin Goyal, PhD, Janssen

SPEAKERS

Yuqing Gong, PhD, US Food and Drug Administration

Navin Goyal, PhD, Janssen

Susan Ford, PhD, GlaxoSmithKline

3:00 PM – 4:00 PM

Oral Abstract Session

3:00 PM – 4:00 PM

CURATED CONTENT

TBD