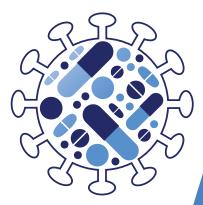
INTERNATIONAL WORKSHOP ON CLINICAL PHARMACOLOGY

2023

OF HIV, HEPATITIS AND OTHER ANTIVIRAL DRUGS



HYBRID WORKSHOP

11 - 13 SEPTEMBER 2023 ROME, ITALY

Program Book



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Welcome



Dear Colleague,

We are delighted to welcome you to the <u>24th edition</u> of the <u>International Workshop on Clinical Pharmacology of HIV, Hepatitis, and Other Antiviral Drugs</u>, and the second hybrid edition. Building on the success of the 2022 hybrid meeting in Barcelona, we are thrilled to host this meeting live in Rome, Italy, and include virtual attendees all over the world.

Understanding the clinical pharmacology of antiviral therapy is pivotal to designing optimal treatment and prevention strategies for HIV, hepatitis, COVID-19 and other viral illnesses.

This edition of the International Workshop on Clinical Pharmacology of HIV, Hepatitis, and Other Antiviral Drugs gathers leading experts to discuss aspects impacting the optimal use of antiviral therapy for both old and new infections. The program covers a wide range of topics, including drug-drug interactions, pharmacokinetics of investigational and existing drugs, pharmacodynamics, drug dosing in key populations, and regulatory considerations.

In addition to invited lectures by international leading experts, the core of the program is structured around oral and poster abstract presentations, often by Early-Career Investigators. The relatively small size and structure of the workshop facilitates personal interactions among attendees and speakers both in person and virtually. In addition to abstract presentations, the debate and roundtable will allow for opportunities for rich discussions and knowledge sharing, which are key features of this workshop.

We look forward to a dynamic and engaging meeting, and the chance to see many new and cherished colleagues again in person and virtually.

On behalf of the Organizing Committee,

Kimberly Scarsi, PharmD, MS, FCCP Alice Tseng, B.Sc.Phm., PharmD, FCSHP, AAHIVP

Program Chairs



Kimberly Scarsi PharmD, MS, FCCP University of Nebraska Medical Center (UNMC), United States



Alice Tseng
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University of Toronto,
Canada

Disclaimer: This workshop aims to offer participants the opportunity to share information. Virology Education cannot accept any liability for the scientific content of the sessions or for any claims which may result from the use of information or publications from this workshop. Virology Education disclaim all liability for injuries or losses of whatever nature incurred by individuals attending the workshop.

Meeting Objectives & Learning Objectives

Meeting Objectives

This meeting aims to:

- Gather experts involved in clinical pharmacology from different disciplines in an interactive workshop setting;
- Provide a platform for presentation and discussion of the latest developments in the field;
- Share information on ongoing pharmacological studies: and
- Stimulate discussion and consensus on best practices.

Learning Objectives

After this activity, participants will be able to:

- Outline new developments and the clinical pharmacology of antiviral therapies for HIV, COVID-19, hepatitis, and other viruses;
- Reflect on new Drug Detection / Delivery Technologies; and
- Describe pharmacological considerations in key populations.





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Evita Belegri Scientific Manager

Practical Information



Abstracts

Accepted abstracts are published in the official abstract book of the International Workshop on Clinical Pharmacology of HIV, Hepatitis, and Other Antiviral Drugs 2023. The abstract book is available on the workshop's webpage.

Badge Policy

All registered delegates are provided with an identity badge. Please wear your badge at all times to ensure admission to the workshop. No spare badges can be issued.

Certificate of Attendance

The certificate of attendance will be sent by e-mail to participants that have successfully completed the program and filled in the post-workshop survey.

Code of Conduct

All individuals are required to observe our Code of Conduct. We do not tolerate any form of discrimination, harassment, disrespect, or the marginalization of those involved in our programs. Please report any incidents to VE and AME via info@amededu.com or to one of our onsite personnel. Any participant who is found to have exhibited any inappropriate conduct or behavior against others may be removed from the program.



View Code of Conduct in Full:

www.AcademicMedicalEducation.com/ our-commitment-diversity-and-inclusion

Meeting Language

The official language of the meeting is English.

Enduring Materials

Webcasts of the presentations, along with the PDF presentations will be available on: www.AcademicMedicalEducation.com shortly after the workshop, assuming we have received the speakers' permission to do so.

Feedback Form

Your feedback is very valuable to us and enables us to further improve this program. At the end of each workshop day, a survey will be sent to you via e-mail. We would like to ask you to complete it.

Networking Opportunities

Make use of the options to network during the coffee breaks, lunches, poster reception, and networking dinner. The poster reception is accessible to all onsite registered delegates and is included in the registration fee. The networking dinner is available to all onsite registered delegates for an additional fee. Please contact the onsite team if you would like to purchase a ticket. The dinner takes place on **Tuesday**, **12 September 2023** at **19:00 CEST**.

Posters

During the workshop, all accepted posters are displayed in the virtual poster gallery. The poster gallery is always open for you.

For those attending in-person, there will be a poster viewing session and reception at the end of <u>Day 1</u> on **Monday, 11 September 2023 at 17:35 CEST**.

Social Media

We encourage you to post news and tweet about #AntiviralPK on your social media accounts during the workshop. You can either post your own tweets or retweet a message from the official @Academic MedEdu.

Time Zones

Times are in Central European Summer Time (CEST). If you need to convert the times to your timezone, this website might be of interest to you: www.WorldTimeBuddy.com.

Venue

The International Workshop on Clinical Pharmacology of HIV, Hepatitis, and Other Antiviral Drugs 2023 will be held at the Roma Eventi Fontana Di Trevi, Rome, Italy.

Virtual Platform

OnAIR is the virtual platform that will be used for the **nternational Workshop on Clinical Pharmacology of HIV, Hepatitis, and Other Antiviral Drugs 2023** for those attending virtually. The recordings of this meeting will be available on the virtual platform until approxamitely 3 weeks after the closure of the meeting.

Wi-F

Wi-Fi will be available throughout the duration of the workshop.

Organizing Committee



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Marco Siccardi - Labcorp

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School of Medicine,
United States



Saye Khoo, MD, PhDRoyal Liverpool University Hospital;
University of Liverpool,
United Kingdom

Monday, 11 September 2023

Central European Summer Time (CEST)

_			
		Opening of the Workshop	
	14:00	Introduction by the Chairs Kimberly Scarsi, PharmD, MS, FCCP University of Nebraska Medical Center (UNMC), United States Alice Tseng, B.Sc.Phm., PharmD, FCSHP, AAHIVP Toronto General Hospital, University of Toronto, Canada	
	14:10	Opening Lecture: News in Antiviral Pharmacology: A Year in Review Andrea Calcagno, MD, DTM&H University of Turin, Italy	
_	14:30	The Use of AI in Clinical Pharmacology Lauren Walker, MBChB (Hons), PhD, MRCP (UK), PGCAP, FHEA, FBPhS University of Liverpool, United Kingdom	
	Session 1	Perspectives on the Role of ARV TDM in Clinical Pharmacology Session Chair: Saye Khoo & Alice Pau	
	15:05	Is TDM Still Needed/Useful? Nancy Sheehan, PharmD, MSc Université de Montréal and McGill University Health Centre, Canada	
		Minh Patrick Le, PharmD, PhD University of Paris Cité, Bichat-Claude Bernard Hospital, France	
	15:35	Discussion	
	15:50	Coffee Break	
	15:50 Session 2	Coffee Break Special Topics in Clinical Pharmacology - Key Populations Session Chairs: Tim Cressey & Laura Dickinson	
		Special Topics in Clinical Pharmacology - Key Populations	
	Session 2	Special Topics in Clinical Pharmacology - Key Populations Session Chairs: Tim Cressey & Laura Dickinson New(er) Antiretrovirals in Pregnancy and Breastfeeding Catriona Waitt, MBChB, PhD	
	Session 2 16:20 16:40	Special Topics in Clinical Pharmacology - Key Populations Session Chairs: Tim Cressey & Laura Dickinson New(er) Antiretrovirals in Pregnancy and Breastfeeding Catriona Waitt, MBChB, PhD University of Liverpool, United Kingdom Pharmacokinetics of Sofosbuvir-Based Direct Acting Antivirals for HCV in Pregnancy Catherine Chappell, MD, MSc	#1
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Tuesday, 12 September 2023

Central European Summer Time (CEST)

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Session 3	Next-Generation Therapeutics – Long-Acting Drugs Session Chairs: Catia Marzolini & Minh Patrick Lê	
9:00	Knowledge Gaps and Future Perspectives for Treatment Based on Long-Acting Technology Andrew Owen, BSS, MSC, PhD, FSB University of Liverpool, United Kingdom	
9:20	A Year of CAB/RPV Use, What Have We Learned in the Real World Emma Rubenstein, MD, MPH Hôpital Saint-Louis, France	
9:40	Preliminary Results of Therapeutic Drug Monitoring of Long-Acting Cabotegravir and Rilpivirine in a Large National Cohort of People Living with HIV (ANRS-MIE-CARLA Study) Caroline Solas Chesneau University Hospital of La Timone, Aix-Marseille University, France	#3
9:50	Discussion	
10:05	Coffee Break	
Session 4	Abstract-Driven Session on Clinical Pharmacology in Pregnancy and HIV Session Chairs: Angela Colbers & Catriona Waitt	
10:45	Intracellular Tenofovir-Diphosphate Concentrations with Tenofovir Alafenamide During Pregnancy and Postpartum in People with HIV: Results from IMPAACT 2026 Kristina Brooks University of Colorado Anschutz Medical Campus, United States	#5
10:55	Temporal Changes in Dolutegravir and Raltegravir Glucuronide Metabolite to Parent Ratios during Pregnancy and Postpartum Tim Cressey Chiang Mai University, Thailand	#6
11:05	Lower Exposure to Bictegravir in Third Trimester in Pregnant Women Living with HIV Lena Van Der Wekken Radboudumc, The Netherlands	#7
11:15	Prediction of Maternal Pharmacokinetic of Bictegravir in Pregnancy Using Physiologically-Based Pharmacokinetic Modeling Jeihun Kuack U.S. Food And Drug Administration, United States	#8
11:25	Discussion	

Session 5	Challenges in Managing Complex Drug - Drug Interactions Session Chairs: Marta Boffito & Nancy Sheehan	
11:40	Management of Antiplatelet/DOAC DDIS (Pk/PD) - in Context of HIV, HCV, COVID Antiviral Therapy Mike Emerson, PhD Imperial College London, United Kingdom	
12:00	Short versus Extended Nirmatrelvir/R Treatment Course and Ensitrelvir: How Do DDIs Differ? Catia Marzolini, PharmD, PhD University Hospital of Basel, University Hospital of Lausanne, Switzerland; University of Liverpool, United Kingdom	
12:20	Case Presentation - Complex DDI Case Dario Cattaneo, PharmD, PhD Luigi Sacco University Hospital, Italy	
12:35	Case Presentation - Complex DDI case Giovanni Di Perri, MD, PhD University of Turin, Italy	
12:50	Discussion	
13:05	Lunch Break	
Session 6	Drug Interactions: PBPK Modelling and Pharmacodynamic Outcomes Session Chairs: Andrea Calcagno & Kristina Brooks	
14:05	DDIs Between Long-Acting Antiretroviral and TB Drugs for Prevention and Treatment Paolo Denti, PhD University of Cape Town, South Africa	
14:25	Physiologically Based Pharmacokinetic Modeling of Lenacapavir Pharmacokinetics and Model Validation with Drug-Drug Interactions Between Lenacapavir with Voriconazole or Rifampicin Naveed Shaik Gilead Sciences, Inc., United States	#9
14:35	Dolutegravir But not Bictegravir Exposure Increases in Vitro Platelet Aggregation	#10
	Renos Keniyopoullos Imperial College London, United Kingdom	
14:45	Renos Keniyopoullos Imperial College London, United Kingdom	#11
14:45	Renos Keniyopoullos Imperial College London, United Kingdom Genetic Variants Influencing Neuroinflammation Biomarkers in Different Clinical Groups of People Affected by HIV Jessica Cusato	#11
	Renos Keniyopoullos Imperial College London, United Kingdom Genetic Variants Influencing Neuroinflammation Biomarkers in Different Clinical Groups of People Affected by HIV Jessica Cusato University of Turin, Department of Medical Sciences, Italy	#11



Session 7	DDI Guidance: Regulatory Landscape and Challenges With Emerging/New Compounds Session Chair: Charles Flexner	
15:55	Harmonization of DDI Guidelines Among Different Regulatory Agencies: Challenges and Opportunities Elin Lindhagen, MSci Pharm, PhD Swedish Medical Products Agency, Sweden	
16:15	A Global Collaboration to Harmonize Guidelines for Clinical Management of Ritonavir-Boosted Nirmatrelvir DDIs Alice K. Pau, PharmD, FIDSA National Institute of Allergy and Infectious Disease, National Institutes of Health, United States	
16:35	Discussion	
16:50	Nirmatrelvir/Ritonavir Real World Drug-Drug Interaction Management Experience Shahid Bukhari Chelsea & Westminster Hospital, United Kingdom	#12
17:00	A Retrospective Descriptive Study of the Management and Consequences of Drug-Drug Interactions between Nirmatrelvir/Ritonavir and Systemic Treatment for Cancer Samantha Robertson Kingston Health Sciences Centre, Canada	#13
17:10	Management of Drug-Drug Interaction and Safety of Oral Anticoagulants with Nirmatrelvir-Ritonavir Pierre Giguere The Ottawa Hospital, Canada	#14
17:20	Discussion	
17:35	End of Day 2	
19:00	Networking Dinner	
	·	

Wednesday, 13 September 2023

Central European Summer Time (CEST)

Session 8	Pharmacologic Data on New and Pipeline Drugs - Industry Session Session Chair: Giovanni di Perri
8:30	Gilead Sciences Ramesh Palaparthy, PhD Gilead Sciences, United States
8:45	GSK - ViiV Healthcare Jon Collins, PharmD ViiV Healthcare, United States
9:00	Shionogi Inc. Simon Portsmouth, MBChB, MD, FRCP Shionogi Inc., United States
9:15	Atea Pharmaceuticals Inc. Xiao-Jian Zhou, PhD Atea Pharmaceuticals, Inc., United States
9:15	Discussion

9:45	Coffee Break & Poster Viewing	
Session 9 Abstract-Driven Session on Innovative Tools to Assess Drug Exposure and Adherence Session Chairs: Peter Anderson & Anthony Podany		
10:15 Adherence Blood Sampling Devices Are Not All Created Equal: A Comparative Investigation Amanda Schauer University of North Carolina-Chapel Hill, United States		#15
10:25 PrEP at the Site-of-Action in Transgender Women: A Pharmacology Study of Blood and Re CD4+ T Lymphocytes Mackenzie L. Cottrell University of North Carolina, Chapel Hill, United States		#16
 Saliva, Tear and Nasal PK of Ritonavir-boosted Nimatrelvir (Paxlovid) in Combination with Molnupiravir in Patients with Laboratory Confirmed COVID-19 Laura Dickinson University of Liverpool, United Kingdom A Novel Approach to Identify PK Determinants of Efficacy: Implications for HIV-1 Latency Reversal by Romidepsin Lauren Tompkins The University of North Carolina at Chapel Hill, United States 		#17
		#18
10:55	10:55 Discussion	
	Charles Boucher Memorial Session: The Role of Tissue Pharmacology in Clinical Response and Cure Session Chair: Steve Taylor	
11:10	Tissue-Specific Pharmacology: Knowledge and Knowledge Gaps Charles Flexner, MD Johns Hopkins University School of Medicine, United States	
Tissue-Specific Pharmacology: How Clinically Important Is It Saye Khoo, MD, PhD Royal Liverpool University Hospital; University of Liverpool, United Kingdom		
11:50	11:50 Discussion	
	Closing of the Workshop & Abstract Awards	
12:05	Closing Remarks Kimberly Scarsi, PharmD, MS, FCCP University of Nebraska Medical Center (UNMC), United States Alice Tseng, B.Sc.Phm., PharmD, FCSHP, AAHIVP Toronto General Hospital, University of Toronto, Canada	
12:15 End of Workshop		

Acknowledgment

Corporate Support

PLATINUM LEVEL SPONSOR



Support provided by ViiV Healthcare

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Supported by Gilead, who provided funding. Gilead has had no input into the content of the materials used at this meeting/conference.



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