

**CONFERENCE**  
PROGRAM



# **11<sup>th</sup> Edition of Global Conference on** **Pharmaceuticals** **and Novel Drug Delivery Systems**

**September 19-21, 2024**  
**Rome, Italy**


**CPD ACCREDITED**



**APPROVED  
PROVIDER**

#780643

Verify @ <https://thecpdregister.com>

 **IN-PERSON:**  
NH Villa Carpegna  
Via Pio IV, 6, 00165 Roma RM, Italy

 **VIRTUAL:**  
Central European Summer  
Time (CEST)

## DAY 01

Thursday, September 19  
(In-Person)

08:00-08:50	Registrations
08:50-09:00	Opening Ceremony and Introduction
09:00-11:00	In-person Keynote Presentations
11:30-16:00	In-person Oral Presentations

## DAY 02

Friday, September 20  
(In-Person)

08:50-09:00	Opening Remarks
09:00-12:10	In-person Keynote Presentations
12:10-15:30	In-person Oral Presentations
15:30-16:30	In-person Poster Presentations

## DAY 03

Saturday, September 21  
(Virtual)

	Room 1	Room 2
08:30-09:00	AV Check	08:30-09:00 AV Check
09:00-11:00, 16:20-18:20	Virtual Keynote Presentations	09:00-10:20, 15:20-16:00 Virtual Keynote Presentations
11:00-11:20	Virtual Poster Presentations	10:20-15:20 Virtual Oral Presentations
11:20-16:20	Virtual Oral Presentations	

 IN-PERSON

 VIRTUAL

### Day 01 Break Timings (In-person)

11:00-11:30 Coffee Break  
13:10-14:10 Lunch  
16:00-16:30 Coffee Break

### Day 02 Break Timings (In-person)

11:00-11:30 Coffee Break  
12:50-13:50 Lunch  
16:30-17:00 Coffee Break

## Important Note

- The conference follows Central European Summer Time (CEST) for both in-person and Virtual sessions.
- When the program refers to Local Timings, it means that the timing mentioned is based on the time zone of the presenter's country.
- In-person presentations will take place in the SALA RAFFAELLO Room @NH Villa Carpegna and Virtual presentations will take place in Zoom meetings.
- Please remain accessible in the hall or on Zoom throughout the day as there could be minor program adjustments due to technical issues or presenter no-shows.

## KEYNOTE PRESENTATIONS

Central European Summer Time (CEST)

@ SALA RAFFAELLO

08:00–08:50 | Registrations

08:50–09:00 | Opening Ceremony and Introduction

**Moderator:**  
Priya Hays, Hays Documentation Specialists, LLC., United States

09:00–09:40

In-person

### Sergey Suchkov

The Russian University of Medicine and Russian Academy of Natural Science–Moscow, Russian Federation

Title: Personalized and Precision Medicine (PPM) as a unique healthcare model to be set up via biodesign, bio- and chemical engineering, translational applications, and upgraded business modeling to secure the human healthcare and biosafety

09:40–10:20

In-person

### Marino Nebuloni

University of Insubria, Italy

Title: Mannitol as eutectic forming agent for improved sublingual delivery of Cyclobenzaprine HCl

10:20–11:00

In-person

### Bruce Daugherty

Tonix Pharmaceuticals, United States

Title: Pharmacokinetic properties of TNX-102 SL, a sublingual formulation of Cyclobenzaprine hydrochloride

### Group Photo

11:00–11:30 | Coffee Break @Foyer

## ORAL PRESENTATIONS

**Chairs:**

Sergey Suchkov, The Russian University of Medicine and Russian Academy of Natural Science–Moscow, Russian Federation  
Marino Nebuloni, University of Insubria, Italy

11:30–11:50

In-person

### Priya Hays

Hays Documentation Specialists, LLC., United States

Title: Clinical decision making in advanced and metastatic breast cancer cases between PARP inhibitors and CDK4/6 inhibitors

11:50–12:10

In-person

### Stella Kafkala

Genepharma Pharmaceutical Company, Greece

Title: Gastrointestinal performance simulation system for the analysis of Eltrombopag formulations

12:10–12:30 In-person

**Dasharath Muljibhai Patel**

Gujarat Technological University, India

Title: Microemulsion based in situ gel of Erythromycin for ocular ailments

12:30–12:50 In-person

**Fatma Haddad**

University of Bradford, United Kingdom

Title: Preparation and characterization of inhaled Luteolin nano-liposomes for the potential management of pulmonary arterial hypertension

12:50–13:10 In-person

**Yusuke Shimoyama**

Tokyo Institute of Technology, Japan

Title: Supercritical microfluidic system for production of nanoparticles and liposomes for pharmaceutical formulation

13:10–14:10 | Lunch @Restaurant

14:10–14:40 In-person

**Sergey Suchkov**

The Russian University of Medicine and Russian Academy of Natural Science–Moscow, Russian Federation

Title: The promise of nanotechnology in personalized & precision medicine: Drug discovery & development being partnered with nanotechnologies via the revolution at the nanoscale

14:40–15:00 In-person

**Shereen M. Assaf**

Jordan University of Science and Technology, Jordan

Title: Development and evaluation of prolonged-release dutasteride transdermal delivery system

15:00–15:20 In-person

**Alper Onder**

Canakkale Onsekiz Mart University, Turkey

Title: Potential Bruton Tyrosine Kinase (BTK) inhibitors determined by virtual screening, molecular docking, and molecular dynamics simulation studies

15:20–15:40 In-person

**Ferah Comert Onder**

Canakkale Onsekiz Mart University, Turkey

Title: In silico, synthesis, and in vitro studies of novel FOXM1 inhibitors for targeted triple negative breast cancer therapy

15:40–16:00 In-person

**Shereen M. Assaf**

Jordan University of Science and Technology, Jordan

Title: Design and assessment of transdermal delivery system containing Levodopa-loaded nanoparticles

16:00–16:30 | Coffee Break @Foyer

### KEYNOTE PRESENTATIONS

Central European Summer Time (CEST)

@ SALA RAFFAELLO

08:50–09:00 | Opening Remarks

**Moderator:**  
Rassa Pegahi, UPISA, France

09:00–09:40 In-person

**Andreas M Papas**  
Antares Health Products, United States

Title: Emerging formulation and delivery applications of vitamin E TPGS

09:40–10:20 In-person

**Thomas Ullrich**  
Novartis Biomedical Research, Switzerland

Title: Drug design for the development of long-acting injectables

10:20–11:00 In-person

**Miroslav Radenkovic**  
University of Belgrade, Serbia

Title: Clinical pharmacology of Aprocitentan (an endothelin receptor antagonist) – The most recent quality progress in treatment of resistant hypertension

11:00–11:30 | Coffee Break @Foyer

11:30–12:10 In-person

**Maria Cristina Gamberini**  
University of Modena and Reggio Emilia, Italy

Title: Crystallographic in pharmaceutical filed: New frontiers

### ORAL PRESENTATIONS

**Chair:**  
Andreas M Papas, Antares Health Products, United States

12:10–12:30 In-person

**Rassa Pegahi**  
UPISA, France

Title: An updated review on the central mechanism of action of Paracetamol (Acetaminophen): Experimental evidence and potential clinical impact

12:30–12:50 In-person

**Fatemeh Ahmadvand**  
University of the Genova, Italy

Title: Innovations in DNA and RNA vaccine technology their impact on treatment efficacy and delivery

12:50–13:50 | Lunch @Restaurant

13:50–14:10 In-person

**Barbara De Filippis**  
University G. d'Annunzio, Italy

Title: Hybrid compounds: A useful strategy to overcome limited pharmaceutical profile

14:10–14:30 In-person

**Alexander Valyaev**  
Nuclear Safety Institute RAS, Russian Federation

Title: Application of nanotechnology for treatment of human bone joints with severe injuries

14:30–14:50 In-person

**Anders B Christensen**  
Apillet ApS, Denmark

Title: An enteric encapsulation made from natural materials for oral delivery of drugs and probiotics to the intestine

14:50–15:10 In-person

**Madhuri Thorve**  
Indian Institute of Technology, Bombay, India

Title: Partitioning of Gentamicin and Oxytetracycline in spherical and rod-shaped TTAB micellar systems with Sodium salicylate and delivery to Bovine serum albumin: Thermodynamic insight

15:10–15:30 In-person

**Ibrahim A Al Othaim**  
Saudi Food & Drug Authority, Saudi Arabia

Title: Development of a sensitive method for the determination of Enrofloxacin in falsified veterinary products

## (15:30-16:30) POSTER PRESENTATIONS

PP1 In-Person

**Siobhan Fogarty**  
Tonix Pharma Limited, Ireland

Title: The importance of invitro discriminatory tests in the development of a sublingual dosage form of TNX102 SL(Cyclobenzaprine HCl) tablets

PP2 In-Person

**Riyadh Al Asady**  
University of Sheffield, United Kingdom

Title: Pharmaceutical continuous manufacturing: The interaction between different units and tablet properties

PP3 In-Person

**Savopoulos Pantelis**  
Genepharm Pharmaceutical Company, Greece

Title: Gastrointestinal performance simulation system for the analysis of Eltrombopag formulations

PP4 In-Person

**Rassa Pegahi**  
UPSA, France

Title: An updated review on the central mechanism of action of paracetamol (Acetaminophen): Experimental evidence and potential clinical impact

PP5 In-Person

**Yuna Tatsumi**  
Tokyo Institute of Technology, Japan

Title: Lipid media with supercritical CO<sub>2</sub> for promoted formation of Itraconazole cocrystals

PP6

In-Person

**Shu Chun Liu**

Show Chwan Memorial Hospital,  
Taiwan

Title: Paeoniflorin effectively inhibit Melanoma growth through induce senescence and ER stress converging on the Calpain1/ERK5/P21 axis

PP7

In-Person

**Mutaz S. Salem**

Jordan University of Science and  
Technology, Jordan

Title: Polymeric-based formulation for intelligent drug delivery

PP8

In-Person

**Benahmed Nacira**

Phytochemistry and Organic  
Synthesis Laboratory (LPSO), Tahri  
Mohamed University-Bechar, Algeria

Title: Influence of some medicinal plants on the crystallization of ammonium-magnesium phosphate hexahydrate (struvite)

16:30-17:00 | Coffee Break @Foyer

# DAY 3

VIRTUAL ROOM 01

SEPTEMBER 21, 2024

Saturday

## KEYNOTE PRESENTATIONS

CEST

Local Timings

@VIRTUAL ROOM 01

08:30–09:00 | AV Check

**Moderators:**

Natassa Pippa, National and Kapodistrian University of Athens, Greece  
Shripriya Kalbhavi, Lynbrook High School, United States

09:00–09:40

09:00–09:40

**Bernd Blobel**

University of Regensburg, Germany

Title: Why we need to advance from data focus to knowledge focus for managing healthcare transformation?

09:40–10:20

15:40–16:20

**Saad Tayyab**

UCSI University, Malaysia

Title: Unveiling the binding interactions of selected antimalarial drugs with major plasma transporter

10:20–11:00

11:20–12:00

**Delia Teresa Sponza**

Dokuz Eylul University, Turkey

Title: Photodegradation of two pharmaceutical namely Levofloxacin and Atorvastatin via Chitosan/Ag/TiO<sub>2</sub> 3D printed scaffold

## POSTER PRESENTATIONS

**Chair:**

Saad Tayyab, UCSI University, Malaysia

11:00–11:10

12:00–12:10

**Afonin S.M**

National Research University of Electronic Technology, Russian Federation

Title: Structural scheme of an electro magneto elastic actuator for nanomedical research

11:10–11:20

17:10–17:20

**Yuxin Liu**

Chongqing University Three Gorges Hospital, China

Title: The efficacy, mechanisms, and safety of phyto-based detoxifying agents in the treatment of acute drug and chemical poisoning

## ORAL PRESENTATIONS

11:20–11:40

12:20–12:40

**Elisabetta Stretti**

University of Patras, Greece

Title: Computational modelling for enhanced drug delivery in drug-coated balloon treatment



11:40–12:00 15:10–15:30

**Raja Chakraverty**Indian Council of Medical Research,  
India

Title: Impact of implementation of antimicrobial stewardship (AMSP) and infection prevention and measures (IPC) on MDRO profiles in a tertiary care hospital of India

12:00–12:20 15:30–15:50

**Pratip Kashinath Chaskar**D Y Patil University School Of  
Pharmacy Navi Mumbai, India

Title: Unveiling green chemistry: Exploring sustainable practices

12:20–12:40 13:20–13:40

**Ayse Nur Oktay**

University of Health Sciences, Turkey

Title: Comparison of in-vitro drug dissolution profiles: Current state and examination of Etravirine tablets

12:40–13:00 13:40–14:00

**Natassa Pippa**National and Kapodistrian University  
of Athens, Greece

Title: Design and development of controlled release systems: Versatility in drug formulation

13:00–13:20 14:00–14:20

**Muhammed Tilahun**

Suleyman Demirel University, Turkey

Title: Structure elucidation of drug targets through homology modeling in the AI era

13:20–13:40 14:20–14:40

**Panagiotis Mallis**

Hellenic Cord Blood Bank, Greece

Title: Mesenchymal stromal cells as therapeutic tools in immune disorders: Promising evidence from in-vitro results

13:40–14:00 17:10–17:30

**Rama Rao Nadendla**Chalapathi Institute of Pharmaceutical  
Sciences, IndiaTitle: Formulating and assessing spray-dried powder derived from *Trigonella foenum-graecum* seeds for suspending properties in the creation of Rivaroxaban nanosuspension

14:00–14:20 17:30–17:50

**Asish Bhaumik**School of Pharmaceutical Science,  
India

Title: Novel 2, 5-disubstituted Oxadiazole scaffolds act as potential antitumour and antibacterial agents

14:20–14:40 17:50–18:10

**Dharmendra Kumar**

Sanskaram University, India

Title: Role of natural polymers in drug delivery system

14:40–15:00 18:10–18:30

**Deepika Sharma**

CGC Mohali Punjab, India

Title: Synthetic antimicrobial peptides as potent therapeutic agents

15:00–15:20 18:30–18:50

**Rayhan Shahid Shanavas**

Oakridge International School, India

Title: UPLC method development and validation for the estimation of Sulbactam and Durlobactam in pharmaceutical dosage form

15:20–15:40 15:20–15:40

**Maria Borrell**

Sant Pau Research Institute, Spain

Title: PCSK9 roles beyond cholesterol lowering

15:40–16:00 15:40–16:00

**Merita Kucuku**

Freelance Consultant, Albania

Title: Human papillomavirus vaccines and impact on decreasing of infection the population

16:00–16:20 07:00–07:20

**Shripriya Kalbhavi**

Lynbrook High School, United States

Title: A novel method of active medication delivery via microneedles using a Belousov–zhabotinsky oscillating hydrogel

## KEYNOTE PRESENTATIONS

16:20–17:00 10:20–11:00

**Consolato M Sergi**

University of Ottawa, Canada

Title: Liver biopsy handling of metabolic-associated fatty liver disease (MAFID): The children's hospital of Eastern Ontario grossing protocol

17:00–17:40 08:00–08:40

**Axel H Schonthal**University of Southern California,  
United States

Title: Perillyl alcohol (NEO100), a monoterpene with versatile applications for cancer therapy

17:40–18:20 08:40–09:20

**Luis Jesus Villarreal Gomez**FCITEC – Universidad Autónoma de  
Baja California, Mexico

Title: Preparation and characterization of fibers crafted from PCL/PVP–ChAgG, coupled with investigating their suitability as wound dressings

# DAY 3

VIRTUAL ROOM 02

SEPTEMBER 21, 2024

Saturday

## KEYNOTE PRESENTATIONS

CEST

Local Timings

@VIRTUAL ROOM 02

08:30–09:00 | AV Check

**Moderator:**

Khagga Bhavyasri, Osmania University, India

09:00–09:40

19:00–19:40

**Madhav Bhatia**

University of Otago, New Zealand

Title: Hydrogen sulfide and substance P: Novel mediators and therapeutic targets for acute pancreatitis

09:40–10:20

13:10–13:50

**Bhupendra Gopalbhai Prajapati**

Ganpat University, India

Title: Integrating QbD for the solubility amelioration of Ivacaftor loaded solid lipid nanoparticles in-vitro & in-vivo

## ORAL PRESENTATIONS

**Chair:**

Madhav Bhatia, University of Otago, New Zealand

10:20–10:40

10:20–10:40

**Anna W. Sobanska**

Medical University of Lodz, Poland

Title: Health risks associated with exposure to organic sunscreens during pregnancy

10:40–11:00

11:40–12:00

**Vyacheslav Shulunov**

Institute of Physical Materials  
Science of the Siberian Branch of the  
Russian Academy of Science, Russian  
Federation

Title: Breakthrough, fast, precise and inexpensive 3D bioprinting of organoids and blood vessels

11:00–11:20

14:30–14:50

**Asit Kumar Chakraborty**

Vidyasagar University, India

Title: AI-guided spectroscopy and recombinant DNA technologies to discover the new lantibiotics and phytobiotics against multi-drug-resistant infections

11:20–11:40

14:50–15:10

**Preeti Sharma**

Atal Bihari Vajpayee University, India

Title: Telomere length, inflammatory markers and oxidative stress in pre-eclamptic women

11:40–12:00

15:10–15:30

**Khagga Bhavyasri**

Osmania University, India

Title: Novel chromogenic method as a sensitive technique in estimating analytes

12:00–12:20 15:30–15:50

**Rudra Pratap Singh Rajput**  
Royal College of Pharmacy, India

Title: Preparation and evaluation of herbosome of herbal plant of Lawsonia inermis L. for topical application

12:20–12:40 15:50–16:10

**Abhay Tharmatt**  
Bits Pilani, India

Title: Targeted downregulation of VEGF–A to inhibit angiogenesis in psoriasis using CRISPR/Cas9 complexed lipopolymeric nanoplexes

12:40–13:00 12:40–13:00

**Ali Yetgin**  
Cukurova University, Turkey

Title: The impact of climate change on medicinal plant availability and efficacy

13:00–13:40 16:30–17:10

**Suresh P.K**  
Vellore Institute of Technology, India

Title: Natural plant–based extract–mediated cell death induction potential in human cancer cells –in vitro and in silico strategies for drug development

13:40–14:00 17:10–17:30

**Neha Agarwal**  
Navyug Kanya Mahavidyalaya, India

Title: Pharmaceuticals in the environment: Boon or bane

14:00–14:20 13:00–13:20

**Gurpreet Singh**  
IQVIA, United Kingdom

Title: Global drug development – Trends, challenges and opportunities

14:20–14:40 15:20–15:40

**Tarek Aboul Fadl**  
Assiut University, Egypt

Title: Tetrahydro–(2H)–1,3,5–thiadiazine–2–thione (THTT): A versatile carrier system for targeting cell cycle checkpoint pathways with potential anticancer activities

14:40–15:00 08:40–09:00

**Teresa Carvajal**  
Purdue University, United States

Title: Surface chemistry and particle interactions in materials and their impact on powder performance

15:00–15:20 10:00–10:20

**Andre Luiz Pereira**  
Hemominas Foundation, Brazil

Title: From medicinalization to pharmacopollution: Raising awareness on the hidden costs of overprescribing


## KEYNOTE PRESENTATION

15:20–16:00 09:20–10:00

**John Maesaka**  
NYU Grossman Long Island School of Medicine, United States

Title: High prevalence of Renal Salt Wasting (RSW), identification of novel protein in RSW to simplify diagnosis of RSW and introducing new syndrome of RSW in Alzheimer's disease

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*We wish to meet you again at our  
upcoming events*

12<sup>th</sup> Edition of Global Conference on  
**Pharmaceutics and Novel Drug Delivery Systems**  
March 17-19, 2025 | Rome, Italy | Hybrid Event  
<https://magnusconferences.com/pharmaceutical-sciences/>

13<sup>th</sup> Edition of Global Conference on  
**Pharmaceutics and Novel Drug Delivery Systems**  
September 11-13, 2025 | Valencia, Spain | Hybrid Event  
<https://pharmaceuticsconference.com/>

**Questions? Contact**

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