

Objective

Drug discovery is the process through which potential new therapeutic entities are identified, using a combination of computational, experimental, translational, and clinical models. Despite advances in biotechnology and understanding of biological systems, drug discovery is still a lengthy, costly, difficult, and inefficient process with a high attrition rate of new therapeutic discovery. Drug design is the inventive process of finding new medications based on the knowledge of a biological target. In the most basic sense, drug design involves the design of molecules that are complementary in shape and charge to the molecular target with which they interact and bind. Drug design frequently but not necessarily relies on computer modeling techniques and bioinformatics approaches in the big data era. Drug development and discovery includes preclinical research on cell-based and animal models and clinical trials on humans, and finally move forward to the step of obtaining regulatory approval in order to market the drug. Modern drug discovery involves the identification of screening hits, medicinal chemistry and optimization of those hits to increase the affinity, selectivity, efficacy/potency, metabolic stability and oral bioavailability. Pharmaceuticals and Pharmaceutical technology are concerned with the design and formulation of drugs into different dosage forms. They are also concerned with the development of new drug delivery systems that ensure drug efficacy with minimal side effects. In the present conference, pharmaceutical experts from diverse international/national organizations will address the diverse aspects related to drug design, development and pharmaceutical technology.

Dr. Arvind Agarwal & Dr. Puja Agarwal
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Arya Group of Colleges, Kukas, Jaipur, Rajasthan

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Organizing Chairman & President APP
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Scientific Committee Co-Chairman
Coordinator, APP MolPharm Division
Department of Pharmacology, School of
Pharmaceutical Sciences, Suresh Gyan Vihar
University, Jaipur, Rajasthan

Key Speakers

DR. SUNITA DAHIYA
Department of Pharmaceutical Sciences, School of Pharmacy, University of Puerto Rico
San Juan, Puerto Rico, USA

DR. SAURABH KUMAR BANERJEE
Dean, School of Pharmaceutical Management, The IIHMR University, Jaipur, Rajasthan

DR. RITU KATARIA
Principal, GVM College of Pharmacy, Sonipat, Haryana

For Correspondence

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APP 19th Indo-US International Conference "AUD3PT-2022"
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Arya College of Pharmacy
Kukas, Jaipur, Rajasthan

&
Association of Pharmacy Professionals
HARYANA STATE BRANCH

in collaboration with
APP American International Branch & APP PharmEdu HealthCare Division



19th Indo-US
International Conference
on

**"Advances & Updates in Drug Design,
Development and Pharmaceutical Technology"**

in commemoration of



(30th July, 2022)



About the Association

Association of Pharmacy Professionals (APP) is a unique organization of more than 1500 dedicated professionals willing to serve pharmacy profession in dynamic ways and involves people from various arena including students, teachers, researchers, scientists as well as industry professionals. APP aids in extending the knowledge and facilities of several technical institutes, industries as well as health sectors to the remote areas where the service and live functionality of pharmacy profession is the real want. This humble act might be in the form of academic, research or health related activities. The association also share the responsibilities of professionals towards the community and social liabilities. APP accesses the availability of expertise when it needs and ensures that the systematic teaching learning activities not only occurs but also reach to the common knowledge development system by acting as source of fulfilment. Kindly visit the association website www.appconnect.in for more details.

About the Institute

Arya College of Pharmacy (ACP), an intergral part of Arya Group of Colleges, was established under the aegis of All India Arya Samajis Society for Higher & Technical Education in the year 2004. ACP is a philanthropic organization committed to the service of humanity through technological advancement. The mission of Arya College of Pharmacy is to provide a comprehensive and progressive education that prepares pharmacists to play an active role in providing skilled, ethical, and compassionate patient care that improves the health and quality of life of people. The vision of the Arya College of Pharmacy is to achieve excellence in pharmacy education, scholarly research, service to society, Improved Medical Research Techniques and thus improve the healthcare of the Community & our Nation. The institute is duly approved by AICTE & PCI and is affiliated to Rajasthan University of Health Sciences (RUHS), Jaipur Arya College of Pharmacy has glorious standing since 2004 and has unmatched infrastructure, faculty and placement profile. It is spread over sprawling 25 acres land adjacent to Jaipur – Delhi highway at Kukas – Jaipur and surrounded by Aravali Hills. It is located at North side of Jaipur City. ACP presently runs D.Pharm, B.Pharm and M.Pharm courses. Kindly visit the college website <https://www.aryapharmacyjpr.com> for more details.

Poster Presentations

You are invited for poster presentations of research papers and review articles related to theme of the conference. Abstract can be submitted at vanu4amit@gmail.com.

Topics

Nanotechnology, bioavailability enhancement, pharmacy practice, pharmacokinetics of novel drug delivery systems, preformulation considerations, medicinal chemistry, drug design and others relevant topics.

Eligibility

Students of D. Pharm, B. Pharm, M. Pharm, Pharm. D, Research Scholars and faculty members.

Programme schedule

30th July 2022

Inauguration 10.00 AM - 10.20 AM

Welcome Speech & Opening Remarks

DR. ARVIND AGARWAL

Patron & President
Arya Group of Colleges, Kukas, Jaipur, Rajasthan

DR. PUJA AGARWAL

Patron & Vice Principal
Arya College of Pharmacy, Kukas, Jaipur, Rajasthan

DR. VANDANA SHARMA

Convener & Principal
Arya College of Pharmacy, Kukas, Jaipur, Rajasthan

Scientific Lecture Session

DR. SUNITA DAHIYA

University of Puerto Rico, San Juan, Puerto Rico, USA 10:25 AM - 11:10 AM

DR. SAURABH KUMAR BANERJEE

The IIHMR University, Jaipur, Rajasthan 11:20 AM - 12:05 PM

DR. RITU KATARIA

GVM College of Pharmacy, Sonipat, Haryana 12:10 PM - 12:55 PM

Chairpersons

DR. GAURAV GUPTA (Suresh Gyan Vihar University, Jaipur, Rajasthan)

DR. MUKESH SHARMA (Arya College of Pharmacy, Jaipur, Rajasthan)

Lunch Break 01.00 PM - 01:55 PM

Poster Presentations 2.00 PM - 3.55 PM

Valedictory Function 04:00 PM

Vote of Thanks

Registration

Registration fee is Rs 400/- (for students); Rs 500/- (for scholars & teachers).

Registration fee can be e-transferred at:

Beneficiary Name: ARYA COLLEGE OF PHARMACY;

Beneficiary Bank: Bank of Baroda;

Beneficiary Branch: Kookas, Jaipur;

Beneficiary A/c No.: 27960200000203;

IFSC Code: BARB0KOOKAS

Important Dates

Last date of abstract submission: 27th July 2022

Last date for registration: 28th July 2022

For any queries, kindly contact the Convener :

☎ 8696006739

