

**7<sup>th</sup> Nirma Institute of Pharmacy International Conference  
(NIPiCON 2024)  
February 07-09, 2024**



**“NextGen Therapeutics: Multidisciplinary Research Approaches for Drug Development and Delivery”**  
*Bridging the gaps: From Drug Discovery to Patient Care*

**Day 1: February 07, 2024 (Wednesday)**  
**Venue: M-Block, Nirma University**

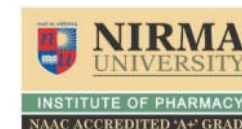
Time	Agenda
0900	<b>Registration &amp; Arrival of Distinguished Guests</b> Venue: Auditorium, M-Block
1030	<b>Inaugural Ceremony</b> Venue: Auditorium, M-Block <b>Keynote Address 1</b> <i>In silico</i> drug discovery: Molecular design, pharmacokinetic modelling, and artificial intelligence
1130	<b>Assoc Prof Ian Haworth</b> <i>University of Southern California (USC), Los Angeles, California, USA</i>  Moderator: <b>Assoc Prof Hardik Bhatt</b> , IPNU Venue: Auditorium, M-Block
1230	<b>Lunch Break, Poster Viewing &amp; Judging and Networking</b> Poster Presentation -1: <b>Abstract No. PTP001 to 051</b> Venue: Back Lawn, New Building
1330	<b>Keynote Address 2</b> <i>In vitro</i> performance testing for complex pharmaceutical products  <b>Mr Samir Haddouchi</b> <i>SOTAX Pharma Services, France</i>  Moderator: <b>Prof Tejal A. Mehta</b> , IPNU Venue: Auditorium, M-Block

<p><b>Concurrent Plenary Talks</b></p> <p>1430</p> <p>1510</p>	<p><b>Theme: Novel Drug Delivery Systems</b></p> <p><b>Chair: Dr Ramaswamy Lakshmanan</b> <i>Sotax India Pvt. Ltd., Mumbai</i></p> <p>Venue: <b>Auditorium, M-Block</b></p> <p><b>Plenary Session 1</b> Non-invasive strategies for therapeutic peptide delivery</p> <p><b>Prof Vandana B. Patravale</b> <i>Institute of Chemical Technology (ICT), Mumbai</i></p> <p><b>Plenary Session 2</b> Patient-centric drug delivery systems: Innovative solutions to unmet clinical needs</p> <p><b>Prof Sanjay Garg</b> <i>University of South Australia, Adelaide, Australia</i></p>	<p><b>Theme: Translational Medicines</b></p> <p><b>Chair: Prof Ramesh K. Goyal</b> <i>Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi</i></p> <p>Venue: <b>Classroom T1, M-Block</b></p> <p><b>Plenary Session 3</b> Ayurveda, nutritional supplements, phytopharmaceuticals and botanical drug development</p> <p><b>Dr Lal Hingorani</b> <i>Pharmanza Herbal Pvt. Ltd., Dharmaj</i></p> <p><b>Plenary Session 4</b> Analytical strategies and metabolomics: A multidisciplinary approaches from drug development to patient care</p> <p><b>Dr Mohana Krishna Reddy Mudiam</b> <i>Institute of Pesticide Formulation Technology, Haryana</i></p>	
<p>1550</p>	<p><b>Coffee Break and Networking</b></p>		
<p><b>Concurrent Plenary/ Invited Talks</b></p> <p>1610</p>	<p><b>Theme: Novel Drug Delivery Systems</b></p> <p><b>Chair: Prof Vandana B. Patravale</b> <i>Institute of Chemical Technology, Mumbai</i></p> <p>Venue: Auditorium, M-Block</p> <p><b>Invited Talk 1</b> Impact of technology 4.0 in biopharma drug development</p> <p><b>Dr Pratiksha Palahe</b> <i>National Facility for Biopharmaceuticals, Mumbai</i></p>	<p><b>Theme: Translational Medicines/ NextGen Therapeutics</b></p> <p><b>Chair: Prof Sivasankaran Ponnusankar</b> <i>JSS College of Pharmacy, Ooty</i></p> <p>Venue: Classroom T1, M-Block</p> <p><b>Invited Talk 3</b> Enhancing clinical research through technological innovations</p> <p><b>Mr Nayan Prajapati</b> <i>Cliantha Research and Cliantha Academy, Ahmedabad</i></p>	<p><b>Theme: NextGen Therapeutics</b></p> <p><b>Chair: Dr Vikram Chaudhary</b> <i>Operant Pharmacy Federation</i></p> <p>Venue: Classroom T3, M-Block</p> <p><b>Invited Talk 4</b> Next Gen imaging and therapy: Recent approaches for nuclear and allied imaging</p> <p><b>Dr Shubhra Chaturvedi</b> <i>Institute of Nuclear Medicine and Allied Sciences (INMAS), New Delhi</i></p>

1640	<p><b>Invited Talk 2</b> Sustained release of PAMAM dendrimer-drug conjugated drug delivery system against Lymphoma therapy</p> <p><b>Dr Ugir Hussain Sk</b> <i>Chittaranjan National Cancer Institute, Kolkata</i></p>	<p><b>Plenary Session 5</b> Targeting human dihydroorotate dehydrogenase (hDHODH) using bioisosterism: An effective way to design preclinical candidates against a golden target (Online)</p> <p><b>Assoc Prof Marco L. Lolli</b> <i>Medicinal Chemistry - University of Turin (UNITO), Italy</i></p>	<p><b>Invited Talk 5</b> Artificial intelligence in accelerating drug discovery and development</p> <p><b>Dr A. Sankaranarayanan</b> <i>Vivo Bio Tech Ltd, Hyderabad</i></p>
<b><u>Online</u> Parallel Sessions (Plenary and Invited Talks)</b>			
1710	<p><b>Plenary Session 6</b> From bench to bedside: Advancing drug discovery and development with artificial intelligence</p> <p><b>Prof Hardeep Saluja</b> <i>Southwestern Oklahoma State University, USA</i></p>	<p><b>Invited Talk 6</b> Dissecting AChE regulation in stress and cognitive aging: From biomarker to therapeutic target</p> <p><b>Assoc Prof Vinay Parikh</b> <i>Neuroscience Program, Temple University, USA</i></p>	<p><b>Plenary Session 7</b> Enzyme inhibition - from past to present day proteolysing targeting chimeras (PROTACS)</p> <p><b>Prof Stephen Kerr</b> <i>Massachusetts College of Pharmacy and Health Sciences, USA</i></p>
1740	<p><b>Poster Viewing, Oral Presentation, &amp; Judging and Networking</b> Poster Presentation -2: <b>Abstract No. PTP052 to 102</b> Venue: Back Lawn, New Building</p>		
1755 Parallel Oral Presentation 1	<p><b>Pharmaceutical Technology</b> Venue: Auditorium, M-Block <b>Abstract Nos.</b> PTO- 002 to 007</p>	<p><b>NextGen Therapeutics</b> Venue: Classroom T1, M-Block <b>Abstract Nos.</b> NTO- 001 to 007</p>	<p><b>Translational Medicines</b> Venue: Classroom T3, M-Block <b>Abstract Nos.</b> TMO- 002 to 009</p>
1855	<p><b>Cultural Programme</b> Venue: Auditorium, M-Block</p>		
2000	<p><b>Gala Dinner</b> Venue: Back Lawn, New Building</p>		



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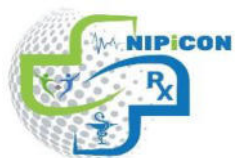
**Day 2: February 08, 2024 (Thursday)**

**Venue: M-Block, Nirma University**

Time	Agenda		
0900	<p><b>Keynote Address 3</b> Next-Gen sequencer to Next-Gen therapeutics</p> <p><b>Prof Ramesh K. Goyal</b> <i>Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi</i></p> <p>Moderator: <b>Prof Jigna S. Shah</b>, IPNU Venue: Auditorium, M-Block</p>		
1000	<p><b>Theme: Novel Drug Delivery Systems</b></p> <p><b>Chair: Prof Sanjay Garg</b> <i>University of South Australia, Adelaide, Australia</i></p> <p>Venue: Auditorium, M-Block</p>	<p><b>Theme: NextGen Therapeutics</b></p> <p><b>Chair: Dr Vikram Chaudhary</b> <i>Operant Pharmacy Federation</i></p> <p>Venue: Classroom T3, M-Block</p>	<p><b>Theme: Translational Medicines</b></p> <p><b>Chair: Prof Rosnah Binti Mohd Zain</b> <i>MAHSA University, Malaysia</i></p> <p>Venue: Classroom T1, M-Block</p>
	<p><b>Concurrent Plenary Talks</b></p> <p><b>Plenary Session 8</b> Compartmental concepts in pharmacokinetics (Online)</p> <p><b>Prof Sunil S. Jambhekar</b> <i>LECOM, School of Pharmacy, USA</i></p>	<p><b>Plenary Session 10</b> The enzymology of C-nucleoside biosynthesis (Online)</p> <p><b>Prof Nigel G. J. Richards</b> <i>School of Chemistry, Cardiff University, UK</i></p>	<p><b>Plenary Session 12</b> Targeting proinflammatory transcription factors by natural agents for cancer prevention and therapy (Online)</p> <p><b>Assoc Prof Gautam Sethi</b> <i>Yong Loo Lin School of Medicine, National University of Singapore, Singapore</i></p>

1040	<b>Plenary Session 9</b> Technology transfer challenges for new product & method  <b>Mr Vijay Kshirsagar</b> <i>TRAC Pharma Consulting, Mumbai</i>	<b>Plenary Session 11</b> Reverse vaccinology, an omics-based approach to vaccine design (Online)  <b>Prof Mohammad Asif Khan</b> <i>University of Doha for Science and Technology (UDST), Doha, Qatar</i>	<b>Plenary Session 13</b> Beyond prescriptions: modernization of pharmacy practice in era of precision medicine and big data  <b>Prof Mahadev Rao</b> <i>Manipal College of Pharmaceutical Sciences, Manipal</i>	
1120	<b>Coffee Break and Networking</b>			
<b>Concurrent Invited Talks</b>	<b>Theme: NextGen Therapeutics</b>  <b>Chair: Dr Vikram Chaudhary</b> <i>Operant Pharmacy Federation</i>  Venue: Auditorium, M-Block  <b>Invited Talk 7</b> Cold plasma- A new frontier in low-temperature plasma applications for healthcare  <b>Dr Alphonsa Joseph</b> <i>Institute of Plasma Research, Gandhinagar</i>  <b>Invited Talk 8</b> Blending computational studies in drug discovery: Design of dual inhibitors for Alzheimer's disease  <b>Prof Hemant R. Jadhav</b> <i>Birla Institute of Technology and Science (BITS)-Pilani, Rajasthan</i>		<b>Theme: Translational Medicines</b>  <b>Chair: Prof Rosnah Binti Mohd Zain</b> <i>MAHSA University, Malaysia</i>  Venue: Classroom T1, M-Block  <b>Invited Talk 9</b> Navigating the metabolic-redox-inflammatory terrain of cancer: Cartography for therapeutics  <b>Prof Ellora Sen</b> <i>National Brain Research Centre, Haryana</i>  <b>Invited Talk 10</b> Drug repositioning/repurposing: Future drug developmental strategy against viral infections  <b>Prof Anirban Basu</b> <i>National Brain Research Centre, Haryana</i>	
	1135	1205		
	1235	<b>Lunch Break, Poster Viewing &amp; Judging and Networking</b> Poster Presentation -3: <b>Abstract Nos. NTP001 to 062</b> Venue: Back Lawn, New Building		
	1400	<b>Keynote Address 4</b> <b>Title:</b> Bridging the gap for patient care: Scope & opportunities in drug development, an Ayurveda perspective  <b>Dr Manoj Nesari</b> <i>Ministry of AYUSH, New Delhi</i>  Moderator: <b>Dr Niyati S. Acharya</b> , IPNU Venue: Auditorium, M-Block		

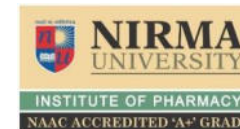
1500	<b>Industry Talk (USP)</b> <b>Title:</b> USP perspectives on Emerging technologies for development & characterization of biosimilars  <b>Dr Annu Uppal</b> <i>Scientific affairs &amp; Strategy, US Pharmacopeia (USP), Hyderabad</i>  Venue: Auditorium, M-Block		
<b>Concurrent Plenary/ Invited Talks</b>	<b>Theme: Translational Medicines</b>  <b>Chair: Prof Gopal Natesan</b> <i>Institute of Pharmacy, Nirma University</i>  Venue: Auditorium, M-Block  <b>Plenary Session 14</b> Integrating network pharmacology approaches to uncover the therapeutic potential of herbals in the management of diabetic retinopathy  <b>Prof Sivasankaran Ponnushankar</b> <i>JSS College of Pharmacy, Ooty</i>  <b>Plenary Session 15</b> Oral cancer control strategies - Epidemiology, early detection and research advancement  <b>Prof Rosnah Binti Mohd Zain</b> <i>MAHSA University, Malaysia</i>	<b>Theme: Translational Medicines</b>  <b>Chair: Prof Hemant R. Jadhav</b> <i>Birla Institute of Technology and Science (BITS), Pilani Campus</i>  Venue: Classroom T1, M-Block  <b>Invited Talk 11</b> A novel Wnt-sterol axis regulating RTK/MAPK signalling  <b>Dr Babita Madan</b> <i>DUKE NUS Graduate Medical School, Singapore</i>	<b>Theme: Herbal Technology/ Translational Medicines</b>  <b>Chair: Prof Ellora Sen</b> <i>National Brain Research Centre, Haryana</i>  Venue: Classroom T3, M-Block  <b>(Herbal Technology)</b> <b>Invited Talk 12 (1520)</b> Harnessing the potential of nanotechnology in phytochemical-loaded drug delivery system  <b>Assoc Prof V. Badireenath Konkimalla</b> <i>School of Biological Sciences, DAE-National Institute of Science Education and Research (NISER), Odisha</i>  <b>Invited Talk 13 (1550)</b> <b>(Translational Medicines)</b> Early phase drug development in India- Regulatory, rigor and reported outcomes  <b>Dr Hiren Mehta</b> <i>Veeda Clinical Research Limited, Canada</i>
1640	<b>Coffee Break, Poster Viewing &amp; Judging and Networking</b> Poster Presentation -4: <b>Abstract Nos. NTP063 to 095, HTP- 001 to 018, TMP- 001 to 030</b> Venue: Back Lawn, New Building		
1655 <b>Parallel Oral Presentation 2</b>	<b>Pharmaceutical Technology/ Herbal Technology</b> Venue: Auditorium, M-Block  <b>Abstract Nos.</b> PTO- 008 to 010, HTO- 001 to 004	<b>NextGen Therapeutics</b> Venue: Classroom T1, M-Block  <b>Abstract Nos.</b> NTO- 008 to 013	<b>Translational Medicines</b> Venue: Classroom T3, M-Block  <b>Abstract Nos.</b> TMO- 010 to 018



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**Day 3: February 09, 2024 (Friday)**

**Venue: M-Block, Nirma University**

Time	Agenda	
0900	<p><b>Keynote Address 5</b> Multidisciplinary research approaches in cancer nanotherapeutic development (Online)</p> <p><b>Prof Wong Tin Wui</b> <i>University Technology, MARA, Malaysia</i></p> <p>Moderator: <b>Prof Priti J. Mehta</b>, IPNU Venue: Auditorium, M-Block</p>	
Concurrent Plenary Talks	<p><b>Theme: NextGen Therapeutics</b></p> <p><b>Chair: Prof Sarat Dalai</b> <i>Institute of Science, Nirma University, Ahmedabad</i> Venue: Auditorium, M-Block</p>	<p><b>Theme: Herbal Technology</b></p> <p><b>Chair: Prof Mamta B. Shah</b> <i>L. M. College of Pharmacy, Ahmedabad</i> Venue: Classroom T1, M-Block</p>
	<p><b>Plenary Session 16</b> Ensuring integrity in sports and medicine: The fusion of anti-doping science with NextGen therapeutics</p> <p><b>Dr Puran L. Sahu</b> <i>National Dope Testing Laboratory (NDTL), New Delhi</i></p>	<p><b>Plenary Session 18</b> Development of wound healing herbal formulation from sea buckthorn</p> <p><b>Prof Inder Pal Singh</b> <i>National Institute of Pharmaceutical Education and Research (NIPER), S.A.S. Nagar</i></p>
1000		
1045	<p><b>Plenary Session 17</b> Global drug development - Current trends, challenges and opportunities</p>	<p><b>Plenary Session 19</b> Music medicine as alternative therapy for neurological disorders (<u>Online</u>)</p>

**Mr Gurpreet Singh**  
*Data Sciences, Safety and Medical IQVIA, UK*

**Assoc Prof Neelima Chauhan**  
*University of Illinois at Chicago, Illinois, USA*

1115

**Coffee Break and Networking**

**Concurrent  
Plenary/  
Invited Talks**

**Theme: NextGen Therapeutics**

**Chair: Prof Sarat Dalai**  
*Institute of Science, Nirma University, Ahmedabad*

Venue: Auditorium, M-Block

**Invited Talk 14**

Studies on new class of TLK (Tousled-like kinase) inhibitors: A novel therapy for prostate cancer

**Theme: Translational Medicine**

**Chair: Prof Mamta B. Shah**  
*L. M. College of Pharmacy, Ahmedabad*

Venue: Classroom T1, M-Block

**Plenary Session 20**

Pharmaceutical care in geriatric patients

1130

**Assoc Prof Sivapriya Kirubakaran**  
*Indian Institute of Technology (IIT), Gandhinagar*

**Invited Talk 15**

Unveiling the potential of molecular hybridization: DNA-targeted cytotoxic agents in cancer drug discovery

**Prof Pramil Tiwari**  
*National Institute of Pharmaceutical Education and Research (NIPER), S.A.S. Nagar*

1200

**Assoc Prof N. Shankaraiah**  
*National Institute of Pharmaceutical Education and Research (NIPER), Hyderabad*

**Lunch Break, Poster Viewing & Judging and Networking**

1230

Poster Presentation -4: **Abstract No. TMP- 031 to 081**

Venue: Back Lawn, New Building

1400  
**Parallel Oral  
Presentation 3**

**Translational Medicines**

Venue: Classroom T3, M-Block

**Abstract Nos.: TMO- 019 to 024**

1515

**Coffee Break and Networking**

1530

**Valedictory Ceremony**  
Venue: Auditorium, M-Block