



International Conference on Drug Discovery: Biotech & Pharma at CrossRoads

15th-17th February, Thapar Institute of Engineering and Technology, Patiala

February 15, 2018 (Thursday)	
0800- 900	REGISTRATION <i>Venue: Reception Desk, Administrative Building</i>
INAUGURAL SESSION Venue: Main Auditorium, TIET	
9.15-9.18	National Anthem
9.19- 9.23	Lighting of the Lamp
9.24- 9.30	Saraswati Vandana
9.30- 9.35	Presentation of Bouquets
9.36- 9.40	Welcome Address <i>Prof. Moushumi Ghosh, Head, Biotechnology Department</i>
9.40-9.44	About the Conference <i>Prof. Sanjai Saxena, Convener</i>
9.45-9.50	Address by Prof. Prakash Gopalan, <i>Patron and Director, Thapar Institute of Engineering and Technology</i>
9.50-9.55	Release of Souvenir-cum-abstract book
10.00- 10.45	Inaugural Address by Guest of Honor – Dr. Sachin Bhagwat <i>Vice President, Wockhardt R&D Centre, Aurangabad</i>
10.45- 10.50	Vote of Thanks <i>Dr. Shekhar Agnihotri, Organizing Secretary</i>
10.50-11.10	High Tea, Auditorium Lawns
Session I : BIODIVERSITY & BIOPROSPECTING Venue: C- Hall, Chairperson: Professor M.S. Reddy	
Plenary Address - Industry	
11.15- 11.45	<i>Recent advances in drug discovery from medicinal plants</i> Dr. L.N. Misra, Patanjali Research Foundation, Haridwar
11.45- 12.15	<i>Translating Research on endophytic fungi into pharmaceutical and food Application</i> Dr. Sunil Deshmukh, TERI, New Delhi (ex. Nicholas Piramal)
Plenary Address- Institute/ Academia	
12.15- 12.45	<i>Target based approach for development of anticancer/anti-metastatic lead molecules from natural product derivatives</i> Dr. Anindya Goswami, Indian Institute of Integrative Medicine (IIIM-CSIR), J&K
Oral Presentations	
12.45-12.55 (OP-1)	<i>Triticum aestivum Inhibits Metastasis and Induced Apoptosis In Pancreatic Cancer Cells (MIA PaCa-2).</i> Prof. Prasad Wadegaonkar, SGB Amravati University, Amravati (MS)
12.55-13.05 (OP-2)	<i>Anti-bacterial, Anti-oxidant and Anti-diabetic activities of medicinal plants,</i> Harman Gill, Thapar Institute of Engineering & Technology, Patiala
13.05- 13.15 (OP-3)	<i>Bioactivity of Extracts from medicinal plants</i> Vasudha Verma, Thapar Institute of Engineering & Technology, Patiala
13.15-13.25	Summarizing of the Session by the Chairperson.
13.30-14.30	Lunch (Auditorium Lawns)

14.30- 16.30	Session II: SCREENING TECHNOLOGIES FOR DRUG DISCOVERY <i>Venue: C- Hall, Chairperson: Professor Moushumi Ghosh</i>
<i>Plenary Address- Institute/ Academia</i>	
14.40- 15.10	<i>Microbiome Research: Hope for Novel Pharmaceutical Fascinated Molecules</i> Dr. Hemant K. Gautam, Institute of Genomics and Integrative Biology, New Delhi
15.10- 15:40	<i>Small molecules as tools for biological systems manipulation</i> Dr. Raman Parkesh, CSIR-Institute of Microbial Technology (IMTech), Chandigarh
<i>Plenary Address- Industry</i>	
15.40- 16.10	<i>Development of platform of biological assays for drug discovery: harnessing the potential of extensive biology knowledge</i> Dr. Mahesh K Verma, Ahammune Biosciences Ltd., Pune
<i>Oral Presentation</i>	
16.10-16.20 (OP-4)	<i>How a fluorinated small-molecule, D744, cause Aβ42 protofibril disassembly: Insights into the design of novel therapeutics against Alzheimer's disease</i> Rajneet Kaur Saini, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab
16.20-16.30 (OP-5)	<i>Bioprospecting of Lipase enzymes from the Metagenome of Northern Western Himalayas of J&K, India</i> Verruchi Gupta, SMVDU, J&K
16.30-16.40 (OP-6)	<i>Metagenomic insights into bacterial diversity from hot spring soil ecosystem</i> Ramanpreet Kaur, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab
16.40-16.45	Summarizing of the Session by the Chairperson.
16.45-17.00	Tea Break
17.00- 18.00	POSTER SESSION (In Auditorium)
18.30- 19.30	Cultural Program
19.30- 21.00	Director's Dinner (Auditorium Lawns)
February 16, 2018 (Friday)	
830- 900 hrs	REGISTRATION / ASSEMBLY; <i>Venue: C- Hall</i>
900-	Session III NANOTECHNOLOGY & NANOMEDICINE <i>Venue: C- Hall, Chairperson: Prof. O.P. Pandey</i>
<i>Plenary Address- Institute/ Academia</i>	
9.10- 09.40	<i>Aptamers for Cancer Therapeutics: Hitting the bull's-eye</i> Prof. Kulbhushan Tikkoo, NIPER, Mohali
9.40-10.10	<i>Biotechnology of Endophytic fungi: Nanomaterials and Future drugs</i> Dr. Absar Ahmad, Director, AMU
<i>Oral Presentation</i>	
10.10-10.20 (OP-7)	<i>Green synthesis of copper nanoparticles using arabinoxyloglucan isolated from water hyacinth as stabilising agent for antimicrobial applications</i> Kedar Sharma, IIT Guwahati
10.20-10.30 (OP-8)	<i>Comparative Biocidal Efficacy of Nano-Silver Reinforced Chitosan based Hydrogels</i> Navneet Kaur, Thapar Institute of Engineering and Technology, Patiala
10.30-10.35	Summarizing of the Session by the Chairperson.
10.35-10.50	Tea Break
10.50-	SESSION IV: BIOLOGICS, BIOPHARMACEUTICALS & PHARMACOGENOMICS <i>Venue: C- Hall, Chairperson: Prof. N.Das</i>
<i>Plenary Address- Academia</i>	
10.55-11.25	<i>Pharmacogenomics: Old perspectives and New Paradigm</i>

	Prof. Dr. Deepak Kaul, PGIMER, Chandigarh
11.25-11.55	<i>Metagenomics, a novel source of unexplored gene bank</i> Prof. Dr. V.Verma, SMVDU, Katra
11.55-12.20	<i>An immunoinformatics approach in designing synthetic peptide vaccine</i> Dr. Manoj Baranwal, Thapar Institute of Engineering & Technology, Patiala
Plenary Address- Industry	
12.20-12.50	<i>Genomics in Pharma: Making THE Difference</i> Dr. Mugasimangalam C Raja, Genotypic Technologies, Bengaluru
Oral Presentations	
12.50- 13.00 (OP-10)	<i>A novel broadly neutralizing scFv targeting the CD4-binding site epitope of HIV-1 isolated from clade C chronically infected children</i> Sanjeev Kumar, AIIMS, New Delhi
13.00-13.10 (OP-11)	<i>Design and Docking Targets for RAD51 Protein-Based Disruption of Homologous Recombination Repair</i> Harsimrat Kaur, SGGWS, Fatehgarh Sahib, Punjab
13.10-13.20 (OP-12)	<i>Autophagy inhibition with chloroquine reverts paclitaxel resistance and attenuates metastatic potential of human non-small lung adenocarcinoma cells via ROS mediated modulation of β-catenin pathway.</i> Satabdi Datta Choudhury, University of Calcutta, Kolkata
13.20-13.25	Summarizing of the Session by the Chairperson.
13.30-14.30	Lunch (Auditorium Lawns)
1440	SESSION V: NATURAL PRODUCT CHEMISTRY IN DRUG DEVELOPMENT <i>Venue: C- Hall, Chairperson: Prof. Susheel Mittal</i>
Plenary Address- Academia/ Institute	
1445-1515	<i>Novel Anti-inflammatory Scaffolds through New Tools of Sustainable Chemistry</i> Dr. A.K. Chakraborti, Medicinal Chemistry Department, NIPER, Mohali
1515-1545	<i>Metabolite Fingerprinting of Eugenia jambolana Fruit Pulp Extracts</i> Dr. I.P. Singh, Natural Products Department, NIPER, Mohali
1545-1615	<i>Formulation and evaluation of Herbal extract coated pellets (HDT) with anti-inflammatory and hepatoprotective activity for Prophylactic daily use as food supplements.</i> Dr. Sandeep Arora, Chitkara College of Pharmacy, Rajpura, Punjab
1615-1630	Tea Break
Oral Presentations	
1630-1645	<i>Alternative intervention strategies to control tuberculosis: Targeting host pathways by natural compounds</i> Dr. Pramod Kumar Gupta, BARC, Mumbai
1645-1650	Summarizing of the Session by the Chairperson
February 17, 2018 (Saturday)	
9.00	Session VI ACADEMIA- INDUSTRY INTERACTION <i>Venue: C- Hall, Chairperson: Prof. Ravi Kiran</i>
9.10-9.40	<i>Challenges in Academia- Industry Interface</i> Dr. Shirshendu Mukherjee, Mission Director, BIRAC, New Delhi
9.40-10.10	<i>Drug Discovery and Indian Scenario: contribution from Industry and academics.</i> Dr. Bikash Mehdi, PGIMER, Chandigarh
10.10-10.40	<i>Building Ecosystem For Fostering Cutting-Edge Life science/Healthcare Innovation Ecosystem</i>

	Dr. Taslimarif Saiyed, Director & COO, C-CAMP, Bangalore
10.45-11.00	Tea Break
11.00-11.30	<i>Efficient combating of a disease by better interaction between basic research lab and drug discovery company</i> Dr. Mahesh K. Verma, Ahammune Biosciences Ltd., Pune
11.30-12.00	<i>Lessons from India's Post-TRIPS Experience of Moving from Generics Production to Drug Discovery and New Drug Development</i> Professor Dinesh Abrol, Institute for Studies in Industrial Development (ISID), New Delhi
12.00-12.30	<i>Industry Academia Collaboration In Pharma Sector: Indian Scenario</i> Prof. Ashok K Tiwari, Department of Pharmaceutical Sciences & Drug Research, Punjabi University
12.30-12.40	Summing up of the session by the Chairman
February 17, 2018 (Saturday)	
Workshop: INTELLECTUAL PROPERTY RIGHTS & PATENTING	
12.40- 12.45	Welcome address- Prof. O.P. Pandey, Dean (Research and Sponsored Projects), TIET
12.45-13.30	<i>Overview of IPR's and Role of PIC, PSCST in enabling patent filing and IP protection</i> Gurharminder Singh, PSCST, Chandigarh
13.30-14.30	Lunch
14.30-15.30	<i>Patenting System in India and Requirements for filing a patent</i> Divya Kaushik, PSCST, Chandigarh
15.30- 16.00	<i>Panel Discussion on IPR and Patent filing</i> Gurharminder Singh, Divya Kaushik
16.00- 16.05	Vote of Thanks Prof. Moushumi Ghosh, Head (Biotechnology)
16.10- 16.30	Valedictory function
	<i>Summing up of the conference</i> Dr. Siddharth Sharma/ Dr. Shekhar Agnihotri
	<i>Award Announcement and presentation by the Guest of honor (Dean, RSP)</i> Mitali Kapoor
	<i>Vote of Thanks</i> Mitali Kapoor
	Tea & Departure of Guests