

4th International Symposium on
“Current Trends in Drug Discovery Research”
 (CTDDR-2010)
 (17-21st February, 2010)

Central Drug Research Institute
Chattar Manzil, Post Box No. 173, Lucknow-226001

Tentative Program schedule of various sessions

February 17, 2010		
Registration	16.00 hrs	
Inaugural Session	17.30 – 19.30 hrs	
Welcome	Dr. T.K. Chakraborty, Chairman, CTDDR-2010	
Inaugural Lecture	Prof. G.M. Halpern, Distinguished Professor of Pharmaceutical Sciences, Hong Kong Polytechnic University, Hong Kong	The Case for Pleasure
Keynote lecture	Prof. R.R. Schmidt, Department of Chemistry, University of Konstanz, Germany	Lipoteichoic Acids of Gram-positive Bacteria - Synthesis and Some Biological Properties
Presidential Remarks	Dr. Nitya Anand, Ex-Director, CDRI, Lucknow	
Vote of Thanks	Dr. A.K. Saxena, Organizing Secretary, CTDDR-2010	
Oudhiyana Welcome Dinner (19.30 hrs) at Hotel Clarks Avadh		
February 18, 2010		
Speakers		Lecture titles
Session I February 18, 2010	Chairperson: Prof. B.N.Dhawan Co-chairperson: Prof. H.-J. Knölker	
9.00 – 9.40 hrs	Prof. Richard K. Haynes, Hong Kong	From Methylene Blue to Chloroquine to the Modern Artemisinin Antimalarial Artemisone: Development, and Clinical Aspects
9.40 – 10.10 hrs	Prof. P. Rama Rao, India	Translational Research –Drug Discovery and Development
10.10 – 10.35 hrs	Prof. M.P. Kaushik, India	<i>Gomphostenin</i> and <i>Gomphocritine</i> : New antimalarial Compounds from the Natural Source
10.35 – 11.00 hrs	Prof. Prasad V. Bharatam, India	CADD and Synthesis in the design of anti-malarial agents

11.00 – 11.30 hrs	TEA BREAK	
Session II February 18, 2010	Chairperson: Dr. C.M. Gupta Co-chairperson: Prof. R.R. Schmidt	
11.30 – 12.00 hrs	Prof. Domenico Spinelli, Italy	'Fighting against Tumours'
12.00 – 12.30 hrs	Prof. K. Muniyappa, India	Telomeres as Drug Targets
12.30 – 13.00 hrs	Prof. Anil Gulati, USA	Recent advances in endothelin based drug therapies
13.00 -14.30 hrs	LUNCH & POSTER SESSION BREAK	
Session III February 18, 2010	Chairperson: Dr. V.P. Kamboj Co-Chairperson Prof. G.M. Halpern	
14.30 - 15.00 hrs	Dr. Ashok Vaidya, India	Reverse Pharmacology in Traditional Medicines and Drug Discovery Research
15.00 – 15.20 hrs	Dr. David Chen, Singapore	Bioactive Natural Products: Nature's Gift to Science
15.20 – 15.40 hrs	Dr. M.D. Nair, India	Nature - A Valuable Platform for Designing New Drugs
15.40 – 16.00 hrs	Dr. Ekta Saxena, India	Antiageing Treatments: A Herbal approach
16.00 – 16.30 hrs	TEA BREAK	
Session IVA February 18, 2010	Chairperson: Dr. P. Rama Rao Co-chairperson: Dr. I.Ahnfelt-Ronne	
16.30 – 17.00 hrs	Prof. G.M. Halpern, USA	The Case for Pleasure
17.00 – 17.30 hrs	YK Gupta, India	Herbal drugs in epilepsy and alzheimer's disease
17.30 – 18.00 hrs	Prof Thirumala Govender, South Africa	Exploring the potential of buccal drug delivery systems for enhanced drug therapy
Session IVB February 18, 2010	Chairperson: Prof. K.B. Pandey Co-chairperson: Prof. Wafaa M. Abdou	
16.30 – 17.00 hrs	Prof. George Varvounis, Greece	Synthesis and/or reactivity of novel pyrrole, indole, 1,2-benzisoxazole, phthalazine, xanthone and naphthalen-2(1H)-one derivatives of potential pharmacological interest
17.00 – 17.20 hrs	Dr. D.C. Gautam, India	Synthesis, characterization and biological studies of 10H-phenothiazines, their sulfones and ribofuranosides
17.20 – 17.40 hrs	Prof. Zeba Siddiqui, India	Zn-Proline catalyzed knoevenagel condensation under solvent free/ aqueous conditions and biological evaluation of products

17.40 – 18.00 hrs	Dr. Akhilesh K. Verma, India	Copper-Catalyzed Regioselective Tandem Synthesis of Indolo and Pyrrolo [2,1- <i>a</i>]isoquinolines: A Direct Approach to dibenzopyrrocoline alkaloids, cryptaustoline and Cryptowpline nucleus
Cultural Evening “ Kathak Rang” (The colors of Kathak in Modern Age), Venue: CDRI Auditorium (19.00 hrs) & Dinner (20.30 hrs) at CDRI Lawn		
February 19, 2010		
Session V February 19, 2010	Chairperson: Prof. T. Hohlfeld Co-chairperson: Prof. C.L. Khetrapal	
09.00 – 09.30 hrs	Prof. Brian Wigdahl, USA	Targeting the HIV-1 transcription complex: A clinical and translational enterprise
09.30 – 10.00 hrs	Prof. Eleanor Fish, Canada	Rational design and development of a broad spectrum antiviral drug: An interferon mimetic
10.00 – 10.25 hrs	Prof. Athina Geronikaki, Greece	Novel thiazolyl thiazolydin-4-one derivatives as HIV-1 reverse transcriptase inhibitors. Potential novel drugs for the treatment of AIDS.
10.25 – 10.45 hrs	Prof. Zafar K. Khan, USA	A quantum dot-based antiviral assay with potential utilization in the high throughput screening
10.45 – 11.05	Dr. Rajni Kaul, India	ICMR initiatives in pharmacological research
11.05 – 11.30 hrs	TEA BREAK	
Session VI February 19, 2010	Chairperson: Dr. J.M. Khanna Co-chairperson: Prof. J. Gasteiger	
11.30 – 12.00 hrs	Prof. Bernd Rosenkranz, South Africa	Biomarkers as Surrogate Endpoints in Clinical Trials
12.00 – 12.30 hrs	Prof. H. Laatsch, Germany	Metabolites – Insights into Microbial Defence Systems
12.30 – 13.00 hrs	Prof. Dr. Ismail Yalcin, Turkey	Antimicrobial activity and structure-activity relationships of some synthesized benzazoles and their possible metabolites
13.00 -14.30 hrs	LUNCH & POSTER SESSION BREAK	
Session VII February 19, 2010	Chairperson: Prof. Brian Wigdahl Co-chairperson: Prof. R.K. Sharma	
14.30 - 15.00 hrs	Prof. Dr. Thomas Hohlfeld, Germany	Drug interactions at the level of platelet cyclooxygenase

15.00 – 15.30 hrs	Dr. Ian Ahnfelt-Ronne, Denmark	Classical and novel biologics targeting chronic inflammation
15.30 – 16.00 hrs	Prof. Wafaa M. Abdou, Egypt	An Efficient Practical Synthesis of Thio-Bisphosphonic Acids for the Treatment of Arthritis, Based on the Chemistry of Disulfides
16.00 – 16.30 hrs	TEA BREAK	
Session VIIIA February 19, 2010	Chairperson: Prof. V. D. Gupta Co-chairperson: Dr. Marjan Vracco	
16.30 – 17.00 hrs	Prof. H. Ila, India	Design and Development of New Synthetic Methods for Biologically Important heterocyclic Cores
17.00 – 17.25 hrs	Prof. V.K. Tandon, India	Potential hypotensive agents: effect of ring annulation on hypotensive activity of <i>e</i> - and <i>z</i> - oxime ethers derived from oxepines
17.25 – 17.50hrs	Dr.K.V.Radhakrishnan, India	Catalytic Desymmetrization of Diazabicyclic olefins: A Highly Stereoselective strategy towards Functionalized Cyclopentanoids
Session VIIIB February 19, 2010	Chairperson: Prof. D.W. Oliver Co-chairperson: Prof. L.P. Kotra	
16.30 – 17.00 hrs	Prof. Vladimir Poroikov, Russia	Computer-assisted prediction and design of multitargeted drugs
17.00 – 17.30 hrs	Prof. Hiroshi Chuman, Japan	Novel Quantitative Structure-Activity Analyses of Protein Inhibitors Using Full Ab Initio Molecular Orbital Calculations on Their Complex Structures with Protein
17.30 – 17.50 hrs	Dr. Kunal Roy, India	On further application of R_m^2 as a metric for validation of QSAR models
Cultural evening “Dastan-e-Avadh” (The light & Sound Show on the History of Awadh) Venue: CDRI, Lawn at 19.00 hrs Dinner (20.30 hrs) at CDRI Lawn		
February 20, 2010		
Session IX February 20, 2010	Chairperson: Prof. H. Laatsch Co-chairperson: Dr. R.R. Shekharan	
09.00 – 09.40 hrs	Prof. Hans-Joachim Knölker, Germany	Biomolecular Chemistry Directed Towards Drug Development
09.40 – 10.10 hrs	Prof. Dr. U. Beifuss, Germany	Copper-catalyzed reactions for the synthesis of biologically active heterocycles

10.10 – 10.40 hrs	Prof. Girolamo Cirrincione, Italy	Pyrrolo-quinolinones with potent photochemotherapeutic activity without DNA damage
10.40 – 11.00 hrs	Prof. Sarel F. Malan, South Africa	Polycyclic cage structures as lipophilic scaffolds for neuroprotective drugs
11.00 – 11.30 hrs	TEA BREAK	
Session X February 20, 2010	Chairperson: Dr. T.K. Chakraborty Co-chairperson: Prof. V. Poroiikov	
11.30 – 12.00 hrs	Prof. Johann Gasteiger, Germany	Modeling Chemical Reactions in Drug Design and Chemical Risk Assessment
12.00 – 12.30 hrs	Prof. Dong-Pyo Kim, S. Korea	Novel Polymeric Microreactors for Bio & Chemical Synthetic Applications
12.30 – 13.00 hrs	Prof. Marica Orioli, Italy	Cytotoxic reactive carbonyl species (RCS): From metabolic studies to the discovery of novel RCS sequestering agents
13.15 -14.30 hrs	LUNCH & POSTER SESSION BREAK	
Session XI February 20, 2010	Chairperson: Prof. R.K. Haynes Co-chairperson: Prof. S.C. Gopal	
14.30 - 15.00 hrs	Prof. Douglas W. Oliver, South Africa	Appraisal of ozone as biologically active molecule and experimental tool in biomedical sciences
15.00 – 15.20 hrs	Dr. Laxminarayan Bhat, USA	A Practical Approach for Developing of Next Generation Safe and Effective Drugs
15.20 – 15.40 hrs	Dr. György Dormán, Hungary	Towards accelerated anti-cancer drug discovery: integration of chemoinformatics, cell-based screening and grid computing.
15.40 – 16.05 hrs	Prof. Lakshmi P. Kotra, Canada	Going after the obvious - inhibitors of de novo nucleotide synthesis pathway
16.05 – 16.30 hrs	TEA BREAK	
Session XII February 20, 2010	Chairperson: Dr. K.C. Gupta Co-chairperson: Prof. Eleanor Fish	
16.30 – 17.00 hrs	Prof. Bakthan Singaram, USA	Sweetness and Light: Continuous glucose sensing and real time enzyme assays using boronic acid appended viologens
17.00 – 17.20 hrs	Prof. Anjan Kowluru, USA	Protein lipidation Inhibitors as tools to study cellular function: Lessons learnt from the pancreatic beta-cell

17.20 – 17.40 hrs	Prof. Renu A. Kowluru, USA	Diabetic retinopathy and potential therapeutic
17.40 – 18.00 hrs	Dr. Ravi K. Asthana, India	Screening of possible targets in <i>Escherichia coli</i> against an antimycobacterial molecule Hap-T isolated from a cyanobacterium: A genomic and proteomic approach
Cultural evening “Rang Mati Ke” (The folk traditions of India), Venue: Scientific Convention Center, Lucknow at 19.00 hrs & Gala Dinner, Lucknow		
February 21, 2010 Special session: Industry-Academia Interactions		
Session XIII February 21, 2010	Chairperson: M GEN K. K. Ohri Co-chairperson: Prof. A. Geronikaki	
09.00 – 09.30 hrs	Prof. E.C. Reisinger, Germany	Antimalarials against Schistosomiasis ?
09.30 – 09.55 hrs	Dr. Marjan Vracko, Slovenia	QSAR in Drug research and in Regulatory Processes
09.55 – 10.20 hrs	Dr. Absar Ahmad, India	Biotechnology of Endophytic Fungi: Inorganic Nanomaterials and Drugs
10.20 – 10.40 hrs	Dr. Genovéva Filipcsei, Hungary	Progress in nanomedicine: recent results on nanonization of drugs
10.40 – 11.00 hrs	Dr. Brijesh Srivastava, Zydu Cadila	CB1 Receptor Antagonists: Promises vs. Failures
11.00 – 11.30 hrs	TEA BREAK	
Session XIV February 21, 2010	Chairperson: Prof. D. Spinelli Co-chairperson: Dr. P.S. Ahuja	
11.30 – 12.00 hrs	Dr. Simeon Arseniyadis, France	Domino and Chiral Pool Approaches for Biologically Active Natural Product Synthesis : Towards New pharmacophores
12.00 – 12.30 hrs	Prof. V.S. Parmar, India	Development of natural products based antimicrobial, anti-inflammatory and antiplatelet agents
12.30 – 13.00 hrs	Prof. Esin Aki, Turkey	DNA-Topoisomerase inhibitory activity of some heterocyclic compounds and their structure-activity relationships
13.20 -14.30 hrs	LUNCH & POSTER SESSION BREAK	
Session XV February 21, 2010		
14.30 - 15.00 hrs	Valedictory & Concluding session	
14.30 – 17.00 hrs	Local Sight Seeing	

Cultural Program Schedule during the CTDDR-2010

Date & Time	Cultural Program	Venue
17-02-2010 at 7.00 pm.	Oudhiyana Shehnai	Hotel Clarks Avadh
18-02-2010 at 7.00 pm.	“Kathak Rang” (The colors of Kathak in Modern Age)	CDRI Auditorium
19-02-2010 at 7.00 pm.	“Dastan-e-Avadh” (The light & Sound Show on the History of Awadh)	CDRI Lawn
20-02-2010 at 7.00 pm.	“Rang Mati Ke” (The folk traditions of India)	Scientific Convention Center, Lucknow