

**7<sup>th</sup> International Symposium on  
“CURRENT TRENDS IN DRUG DISCOVERY RESEARCH”  
(CTDDR-2019)**

(20<sup>th</sup>-23<sup>rd</sup> February, 2019)

CSIR-Central Drug Research Institute  
Sector 10, Jankipuram Extension, Sitapur Road, Lucknow-226031, UP, India

**SCIENTIFIC PROGRAMME**

<b>20<sup>th</sup> February, 2019</b>	
<b>14.00-16.00</b>	<b>REGISTRATION</b> <i>Venue: CDRI Auditorium Complex</i>
<b>Inaugural Session</b> <i>Venue: Auditorium</i>	
<b>Facilitator:</b>	
<b>16.00 – 16.10</b>	<i>Welcome Address</i> <b>Prof. Tapas K. Kundu</b> (Director, CSIR-CDRI)
<b>16.10 – 17.10</b>	<b>Inaugural lecture- Prof. Daniel E. Goldberg</b> ( <i>Washington University-St. Louis</i> ) <b>Malaria parasite plasmepsins: Not just old degradative enzymes</b>
<b>17.10 - 17.20</b>	<i>Presidential remarks:</i> <b>Dr. Rajiv Modi</b> (Cadila Pharmaceuticals)
<b>From Concept to Point-of-Care</b> <b>Chairpersons: Dr. Sudhir K Singh</b> (GVK Biosciences, Hyderabad), <b>Dr. Ved Srivastava</b> ( <i>Intarcia Therapeutics Inc, USA</i> )	
<b>Facilitator: Dr.</b>	
<b>17.30 – 18.00</b>	<b>Dr. Arjun Surya</b> (Curadev) Title awaited
<b>18.00 – 18.30</b>	<b>Dr. Arshad Siddiqui</b> ( <i>Paraza Pharma Inc.</i> ) <b>Discovery of novel kinesin spindle protein (KSP) inhibitors</b>
<b>18.30 - 19.00</b>	<b>Dr. Bharat Lagu</b> ( <i>Mitobridge Inc., USA</i> ) <b>Drugs by design: Impacting multiple facets of drug discovery and development</b>
<b>19.00 - 19.30</b>	<b>Dr. Yu Kyoung Oh</b> ( <i>National University, South Korea</i> ) <b>Activation of chemo/immunotherapy in tumor microenvironment</b>
<b>19.30-19.35</b>	<i>Announcements (Dr. Sanjay Batra/ Dr. Saman Habib)</i>
<b>19.35 onwards</b>	<b>DINNER (CDRI Lawn)</b>
<b>21st February, 2019</b>	
<b>Session I – Malaria Target Discovery and Drug Design</b> <b>Chairpersons: Dr. CM Gupta</b> (IBAB, Bangalore) and <b>Dr. Saman Habib</b> (CDRI) <i>Venue: Auditorium</i>	
<b>Facilitator: Dr.</b>	
<b>09.15 – 9.55</b>	<b>Plenary Lecture: Prof. Kieran Kirk</b> ( <i>The Australian National University, Canberra</i> )

	<b>Membrane transport proteins as antimalarial drug targets</b>
9.55 – 10.25	<b>Prof. Akhil Vaidya</b> ( <i>College of Medicine, Drexel University, USA</i> ) <b>Consequences of disrupting Na<sup>+</sup> and lipid homeostasis by new antimalarial drugs</b>
10.25 – 10.55	<b>Dr. Manoj Duraisingh</b> ( <i>Harvard T. H. Chan School of Public Health, Harvard University</i> ) <b>Targeting essential signal transduction molecules through the asexual cycle of the <i>Plasmodium falciparum</i> blood-stage</b>
10.55 - 11.25	<b>Dr. Jeremy Burrows</b> ( <i>Medicines for Malaria Venture</i> ) <b>Drug discovery to control and eradicate malaria</b>
11.25 – 11.45	<b>TEA / COFFEE BREAK</b>
<b>Session II - Problems of Leishmania Therapeutics and New Approaches</b> <b>Chairpersons: Dr. Guille Labadie (Univ. of Rosario, Argentina) and Dr. Neena Goyal (CDRI)</b> <b>Venue: Auditorium</b>	
<b>Facilitator: Dr.</b>	
11.45– 12.15	<b>Dr. Andrew M. Thompson</b> ( <i>The University of Auckland, New Zealand</i> ) <b>Development of DNDI-0690: A new clinical candidate for visceral leishmaniasis</b>
12.15 – 12.45	<b>Dr. Joachim Clos</b> ( <i>Bernhard Nocht Institute for Tropical Medicine, Hamburg</i> ) Title awaited
12.45 – 13.15	<b>Dr. Steven L. Cobb</b> ( <i>Department of Chemistry, Durham University</i> ) Title awaited
13.15– 15.00	<b>LUNCH + POSTER SESSION</b>
<b>Session III – Countering Multi-drug Resistance in Bacterial Infections</b> <b>Chairpersons: Prof. Gareth Griffiths (Univ. of Oslo) and Dr. KK Srivastava (CDRI)</b> <b>Venue: Auditorium</b>	
<b>Facilitator:</b>	
15.00 – 15.30	<b>Prof. David Russell</b> ( <i>Cornell University College of Veterinary Medicine</i> ) Title awaited
15.30 – 16.00	<b>Dr. Amit Misra</b> ( <i>CSIR-CDRI, Lucknow</i> ) Title awaited
16.00 – 16.30	<b>Dr. Dhiraj Kumar</b> ( <i>ICGEB, Delhi</i> ) Title awaited
<b>Session IV (Parallel) Natural Product Chemistry for Drug Discovery</b> <b>Chairpersons: Dr. AK Tripathi (CIMAP) and Dr. Rajiv Sharma (Zydus Cadila)</b> <b>Venue: Hall 2</b>	
<b>Facilitator:</b>	
15.00 – 15.30	<b>Dr. RA Vishwakarma</b> ( <i>CSIR-IIIM, Jammu</i> )

	Title awaited
15.30 – 16.00	<b>Prof. Marcel Jaspars</b> ( <i>Univ. of Aberdeen, UK</i> ) <b>Discovering, modifying and utilising natural products from extremophiles</b>
16.00 – 16.30	<b>Dr. Marc Litaudon</b> ( <i>Institut de Chimie des Substances Naturelles, France</i> ) <b>Molecular networking: a powerful tool to face the challenge of finding new leads in the drug discovery process</b>
16.30 – 17.00	<b>TEA/COFFEE</b>
<b>Session V– Flash Talks 1</b> <b>Chairpersons: Dr. Niti Kumar and Dr. Kishor Mohanan (CDRI)</b> <b>Venue: Auditorium</b>	
<b>Facilitator:</b>	
17.00– 18.00	<b>10 x 5 min talks by selected students/young faculty</b>
<b>Session</b>	
18.30 – 20.15	<i>Cultural Programme- Performance by <b>Pandit Vishwa Mohan Bhatt</b> (Padma Bhushan, Grammy award winner)</i>
20.15 onwards	<b>DINNER (CSIR-CDRI Lawn)</b>
<b>22nd February, 2019</b>	
<b>Session – VI Interventions for CNS Disorders</b> <b>Chairpersons: Dr. Subrata Sinha (AIIMS) and Dr. Ganesh Pandey (CBMR)</b> <b>Venue: Auditorium</b>	
<b>Facilitator:</b>	
09.15 – 9.55	<b>Plenary Lecture: Prof. P Jeffrey Conn</b> ( <i>Vanderbilt Center for Neuroscience Drug Discovery, Vanderbilt University</i> ) <b>Positive allosteric modulators of GPCRs as a novel treatment for schizophrenia</b>
9.55 – 10.25	<b>Dr. Sanjeev Jain</b> ( <i>NIMHANS, Bangalore, India</i> ) Title awaited
10.25 – 10.55	<b>Dr. Raghu Padinjat</b> ( <i>NCBS, Bangalore, India</i> ) <b>Defining cellular mechanisms to derive personalized solutions for mental illness</b>
10.55 – 11.25	<b>Dr. John A Allen</b> ( <i>School of Medicine, University of Texas Medical Branch, USA</i> ) Title awaited
11.25 – 11.45	<b>TEA / COFFEE BREAK</b>
<b>Session – VII Cancer Biology and Overcoming Resistance</b> <b>Chairpersons: Dr. V. P. Kamboj (CDRI) and Dr. Sonia Nityanand (SGPGI)</b> <b>Venue: Auditorium</b>	
<b>Facilitator:</b>	
11.45– 12.15	<b>Dr. Hyungsook Lee</b> ( <i>Seoul National University, Dept. of Biological Sciences &amp; IMBG</i> ) <b>3-Dimensional understanding of BRCA2-deficient cancers: BRCA2 at</b>

	<b>the kinetochore and at the telomeres</b>
12.15 – 12.45	<b>Dr. Sandeep Burma</b> ( <i>The University of Texas Southwestern Medical Center, USA</i> ) <b>Targeting the brain tumor microenvironment to prevent glioblastoma recurrence after radiotherapy</b>
12.45 – 13.15	<b>Dr. Vikram Gota</b> ( <i>Clinical Pharmacology, Actrec Mumbai</i> ) Title awaited
<b>13.15– 15.00</b>	<b>LUNCH + POSTER SESSION</b>
<b>Session VIII - Translational Research on the Cardiovascular-Metabolic axis</b> <b>Chairpersons: Dr. Ranjit Desai (Zyudus Cadila) and Dr. AK Saxena (CDRI)</b> <b>Venue: Auditorium</b>	
<b>Facilitator:</b>	
15.00 – 15.30	<b>Prof. Dieter Brömme</b> ( <i>University of British Columbia, Vancouver, Canada</i> ) Title awaited
15.30 – 16.00	<b>Dr. Parimal Mishra</b> ( <i>DRILLS, Hyderabad, India</i> ) <b>Activator-3 is a potent activator of AMPK</b>
16.00 – 16.30	<b>Prof. Mohd. Zahid Ashraf</b> ( <i>Jamia Milia Hamdard, New Delhi, India</i> ) <b>MicroRNA-based therapy for cardiovascular diseases: Promises and challenges</b>
<b>Session IX (Parallel) Synthetic/Medicinal Chemistry for Drug Discovery</b> <b>Chairpersons: Prof. TK Chakraborty (IISc Bangalore) and Dr. W Haq (CDRI)</b> <b>Venue: Hall 2</b>	
<b>Facilitator:</b>	
15.00 – 15.30	<b>Prof. Jonathan Baell</b> ( <i>Monash Institute of Pharmaceutical Sciences, Australia</i> ) <b>Awareness of PAINS (Pan Assay Interference Compounds) can accelerate the drug discovery process</b>
15.30 – 16.00	<b>Dr. Ashvani Singh</b> ( <i>AbbVie Inc, USA</i> ) <b>Discovery and characterization of novel CFTR modulators</b>
16.00 – 16.30	<b>Dr. Guille Labadie</b> ( <i>Universidad Nacional de Rosario, Argentina</i> ) <b>L-proline uptake as a drug target for Chagas disease</b>
<b>16.30-17.00 TEA/ COFFEE BREAK</b>	
<b>Session X – Flash Talks 2</b> <b>Chairpersons: Dr. Ritu Trivedi, Dr. PN Yadav (CDRI)</b> <b>Venue: Auditorium</b>	
<b>Facilitator:</b>	
17.00– 18.00	<b>10 x 5 min talks by selected students/young faculty</b>
<b>Session XI</b> <b>Chairpersons: Prof. Sandeep Verma (IIT Kanpur)</b> <b>Venue: Auditorium</b>	
18.00 – 18.30	<b>Evening lectures: Dr. Mukul Jain (Zyudus Cadila)</b> Title awaited

18.30 – 19.00	Dr. Deeksha Gupta, <i>ACS Omega</i> Trends, tips and pitfalls in getting published
19.00 onwards	<b>DINNER (CSIR-CDRI Lawn)</b>
<b>23rd February, 2019</b>	
<b>Session XII – Bone Biology and Skeletal Targets</b> Chairpersons: Dr. Dieter Bromme (Canada) and Dr. Anila Dwivedi (CDRI) Venue: Auditorium	
<b>Facilitator:</b>	
09.15 – 9.55	Plenary Lecture: Dr. Mohan Wani ( <i>NCCS, Pune</i> ) Title awaited
9.55 – 10.25	Dr. Divya Vohora ( <i>Jamia Hamdard, Delhi</i> ) Liasion between antiepileptic drugs and bone: mechanisms and preventive/ therapeutic strategies
10.25– 10.55	Dr. Divya Singh ( <i>CSIR-CDRI, Lucknow</i> ) Is osteoporosis an immune disorder? Role of T cells and cytokines
10.55– 11.25	Dr. Preety Panwar ( <i>University of British Columbia, Vancouver, Canada</i> ) Title awaited
11.25 – 11.45	<b>TEA / COFFEE BREAK</b>
<b>Session XIII – Biologics and Drug Delivery Systems</b> Chairpersons: Dr. Ashvani Singh (USA) and Dr. R Ravishankar (CDRI) Venue: Auditorium	
<b>Facilitator:</b>	
11.45 – 12.15	Dr. Ved Srivastava ( <i>Intarcia Therapeutics Inc, USA</i> ) Once or twice yearly treatment of Type 2 Diabetes by sustained delivery of GLP-1 agonist
12.15 – 12.45	Dr Sunit Maity ( <i>Zumutor Biologics Inc, Bengaluru</i> ) Biosimilar to Novel Biologics: an overview
12.45 – 13.15	Prof. Garreth Griffiths ( <i>University of Oslo Blindernveien, Norway</i> ) Development of nanoparticle drug therapies against tuberculosis using Zebrafish as a screening system
13.15 – 15.00	<b>LUNCH &amp; POSTER SESSION</b>
<b>Session XIV– contd.</b> Chairpersons: Dr. Parimal Misra (ILS) and Dr. P. K. Shukla (CDRI) Venue: Auditorium	
<b>Facilitator:</b>	
15.00 – 15.30	Dr. Matthias Barz (Institut für Organische Chemie Johannes Gutenberg-Universität, Germany) Title awaited
15.30 –16.00	Dr. Uday Saxena ( <i>Dr. Reddy's Institute of Life Sciences, Hyderabad</i> ) Innovation in Indian Pharma – Reality or Myth

<b>16.00 – 17.00 Session XV – Flash Talks 3</b>	
<b>Chairpersons: Dr. Atul Goel and Dr. Amogh Sahasrabuddhe (CDRI)</b>	
<b>Venue: Auditorium</b>	
<b>Facilitator:</b>	
<b>17.00-17.30: Valedictory Session</b>	
<b>17.30</b>	<b>HIGH TEA</b>