

DEPARTMENT OF BIOCHEMISTRY

Andhra University, Visakhapatnam



Cordially Invites you to the Inaugural Function of VIRTUAL INTERNATIONAL CONFERENCE

RECENT TRENDS IN BIOCHEMISTRY AND MOLECULAR BIOLOGY

(RTBMB - 2021)

7th - 8th January, 2021 Time: 9:30 AM



Chief Guest
Prof. P.V.G.D. Prasad Reddy
Vice Chancellor
Andhra University



Distinguished Guest
Dr. Prabha L. Atreya
Director, Division of Scientific Advisors
and Consultants, Center for Biologics
Evaluation and Research (CBER),
Food and Drug Administration (FDA), USA



Guest of Honor
Prof. V. Krishna Mohan
Registrar
Andhra University

Prof. K.P.J.Hemalatha Director



Guest of Honor
Prof. K. Srinivasa Rao
Principal, AUCST
Andhra University

Dr. P. Subhashini Devi Organizing Secretary

Online support from Andhra University Computer Centre (AUCC)

Chief Patron

Prof. P.V.G.D. Prasad Reddy

Vice-Chancellor, AU

Patrons

Prof. K. Srinivasa Rao,

Principal, AUCST, AU

Prof. V. Krishna Mohan,

Registrar, AU

Organizing Committee

Director

Prof. K. P. J. Hemalatha

Organizing Secretary

Dr.P.Subhashini Devi

Joint Organizing Secretary

Prof. T. Raghava Rao

Members

Prof. P. Radhika

Dr. P. Aparanji

Post Doctoral Fellows Research Associate

Research Scholars and Students

Department Profile

Established in the year 1971, has witnessed the unparelled transformation to meet the requirements with the ongoing scientific advancements in the field of protease inhibitors of high economic value, bioprospecting of bioactive compounds, enzymes, plant secondary metabolites through in vitro cultures etc. Additionally, intensive research in the field of Cell and Molecular Biology, Immunology and Nanotechnology led to the identification of few immunomodulators nanomaterials with physiological significance. Based on the performance of the department over the years, it has been recognized with financial assistance by DST- FIST and UGC - SAP.

Scope of the Conference

Fostering young minds with the knowledge from pioneers from various fields of research is the need of the hour. At this juncture, this conference aimed at bringing together faculty and scientists from academia, research organizations and industry to present leading-edge research advancements in Biochemistry and other related areas. Participation of students belonging to various interdisciplinary areas of biological sciences is highly encouraged and emphasized so as to create a scientific temper in the young minds. The field of biochemistry and molecular biology has intense impact in life science investigation. Major progress in these areas over the last few decades has stimulated research and progress in almost all the disciplines of life sciences.

The conference will cover the following broad areas:

- ❖ Importance of redox control of cell cycle, redox signalling in diseases and the mechanisms by which redox signals can alter mitochondrial function, regulation of CYP enzymes
- ♦ Oligonucleotide therapeutics; transforming the practice of diagnostic medicine; neonatal meningitis; emerging tumour suppressor mechanisms.
- ❖ Sigma Factors and their role in bacterial gene expression; the functional role of ribokinases.
- ♦ Geo-Microbial Prospecting

Registration Link: https://forms.gle/mBKT5CvxMzX5ZYm87

Session Links: 07-01-2021

Session - 1: Session - 2:

https://youtu.be/RbTKZXG0DJM https://youtu.be/2VmqU27qD8E

08-01-2021

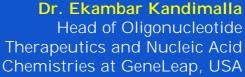
Session - 1: Session - 2:

https://youtu.be/I8mM_yITHpg https://youtu.be/legGwLHuNvs

SPEAKERS



Prof. A . Sivaprasadarao Faculty of Biological Sciences School of Biomedical Sciences Leeds University, UK





Prof. Varaprasad Rao Nemani
Department of Pediatrics and Surgery
Children's Hospital Los Angeles
and Molecular Microbiology Immunology,
University of Southern California
Los Angeles, USA

Dr. Elizabeth Nathaniel Consultant Nate Petroleum Development & Research LLP Navi Mumbai, India





Prof. Roman R. Ganta
Director, CEVBD
Dept. of Diagnostic Medicine/Pathobiology
College of Veterinary Medicine
Kansas State University (KSU), USA

Dr. Bhagavatula Moorthy
Professor and Director
Neonatology Research Program
Department of Pediatrics
Baylor College of Medicine
Director, BCM-Rice Superfund
Research Program (NIEHS)
Houston, USA





Dr. Sai Annapurna Patibandla Senior Director Siemens Healthineers Tarrytown, New York, USA





Day-1 (07-01-2021) Session -1

Name of the speaker	Title of talk	Time (IST)
Prof. Bhagavathula Moorthy	Mechanisms of regulation of cytochrome P450 (CYP)1 enzymes by hyperoxia: Implications for chronic lung disease in premature infants and acute respiratory distress (ARDS) in adults	10:00 AM – 11:00AM
Dr. Elizabeth Nathaniel	Geo-Microbial Prospecting for Hydrocarbon Exploration	11:00 AM – 12:00PM
	Session -2	
Prof. A. Sivaprasadarao	Redox Signalling in Disease	05:00PM - 06:00PM
Dr. Ekambar Kandimalla	Oligonucleotide Therapeutics: Lessons learned and advances made in the last three decades Day-2 (08-01-2021)	06:00PM - 07:00PM
Prof. Roman R. Ganta	Session -1 Ehrlichia chaffeensis RNA polymerase function defined with its only two sigma factors; 632 and 670 in driving the bacterial gene expression	10:00AM - 11:00AM
Dr. B. Kondala Rao	A glimpse of DJ-1 member's role in Redox balance and Mitochondrial health	11:00AM - 11:30AM
Dr. G. Santhosh	Structure-function studies of Ribokinase from <i>Leishmania donovani</i>	11:30AM - 12:00PM
Prof. Varaprasad Rao Nemani	Uncovering the unexpected - <i>E. coli</i> K1 survival strategies in neonatal meningitis Session -2	12:00PM - 01:00PM
Dr. Vinay Mandati	Emerging Tumor Suppressor Mechanisms of Hippo-Yap Pathway	05:30PM - 06:30PM
Dr. Sai Annapurna Patibandla	Transforming the practice of diagnostic medicine	06:30PM -07:30PM
Contact Details		

Contact Details

Dr. P. Subhashini Devi

Organizing Secretary and Head Department of Biochemistry Andhra University, Visakhapatnam & Participants are requested to Login 15

Andhra Pradesh, India

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- ❖ No registration fee
- ❖ E-certificate will be issued to the registered participants after filling the Feedback Form.
- minutes before the scheduled time.
- **❖** Live web session through Microsoft Teams.