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**Association of
Clinical Biochemists of India**

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HEAD OFFICE & SECRETARIAT

Biochem Lab
East Boring Canal Road
Patna-800 001
(Bihar)
kpsacbi@yahoo.co.in



FIRST ANNOUNCEMENT

**48th
Annual Conference of
Association of Clinical
Biochemists of India**

**BLOCK YOUR DATES
23rd - 26th
November 2022**

Venue:

ICAR Convention Centre, National
Agricultural Science Centre Complex,
DPS Marg, New Delhi 110012

**Preconference
workshops on
23rd November 2022**

Dear Friends and Colleagues,

On behalf of the organising team, it is my privilege to welcome all of you to the 48th National Conference of the Association of Clinical Biochemists of India to be held in New Delhi from 24th to 26th of November, 2022, with several interesting preconference workshops on 23rd November, 2022.

The last few years have been challenging due to the COVID pandemic. It has emphasized the critical role played by laboratorians in day-to-day healthcare delivery, demanding frequent deliberations and improvements in standards of patient care.

Despite these challenges, the field of Laboratory Medicine continues to evolve at a fervid pace. Though the virtual platform for webinars and CMEs has been a saviour during these pandemic-ridden years, it is no match for the academically bustling atmosphere of an in-person conference. Hence, we bring to you a feast of orations, plenary lectures, symposia and workshops, presenting an opportunity to discuss and deliberate on the latest advances in clinical chemistry.

We look forward to meeting you soon!

Organising Secretary
Dr Seema Bhargava



Conference Secretariat

Dept. of Biochemistry, Sir Ganga Ram Hospital,
Rajinder Nagar, New Delhi 110060

Email: organisingsecretary.acbicon2022@gmail.com

Phone: +91 92059 09958



Conference Manager

EDITORIAL BOARD

Editor-in-chief

Dr. Rajiv Ranjan Sinha

(Nalanda Medical College, Patna),
General Secretary, ACBI.
Email: kpsacbi@yahoo.co.in

Executive Editor

Dr. K. R. Prasad

(Professor of Biochemistry, Katihar
Medical College, Katihar),
Treasurer, ACBI.
Email: k_ranjan@msn.com

Member, Editorial Board

(1) Dr. Shyamali Pal (Kolkata)



ASSOCIATION OF CLINICAL BIOCHEMISTS OF INDIA

Secretariat

Biochem-Lab
East Boring Canal Road
Patna – 800 001 (Bihar)
Email: kpsacbi@yahoo.co.in

Head Office

Biochem-Lab
East Boring Canal Road
Patna – 800 001 (Bihar)
Email: kpsacbi@yahoo.co.in



From the Editor's Desk

Greetings.

Dear members, with the number of cases of Covid cases decreasing slowly we all are looking to trying to get our former life back, albeit with the mask on.

The 47th Annual Conference held at Kolkata went off quite well with Dr. Subir & his team getting together a scientific program par excellence. The subject covered was truly astounding with renowned experts in their field presenting their scientific papers. Congratulations to Professor Subir Das and his team.

Professor Subir Das has donned the mantle of President of ACBI with Dr. L. M. Srivastava passing on the President's medal virtually to Prof. Subir.

Being an Online-offline conference, we could not host the General Body Meeting but had an Executive Board meeting during the conference (report enclosed).

You all will be happy to know that after a gap of 2 years we will finally meet each other face to face in New Delhi. The Organizing Secretary is Dr. Seema Bhargava from Sir Ganga Ram Hospital. She will be announcing the dates & venue shortly. Looking to meeting you all soon.

May their soul rest in Peace.

Dr. Rajiv R Sinha
General- Secretary, ACBI
& Editor-in-Chief

Dr. K. R. Prasad
Executive Editor

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Association of Clinical Biochemists of India

EXECUTIVE COUNCIL 2022

PRESIDENT

: **Dr. Subir Kumar Das,**
Professor & Head,
Department of Biochemistry
College of Medicine & JNM Hospital, WBUHS
Kalyani, Nadia 741235, West Bengal
Mobile: 09432674673
Email: drsubirkdas@gmail.com

VICE PRESIDENT (I) & Organizing Secretary, 48th. ACBICON 2022

: **Dr. Seema Bhargav**
Chairperson and Senior Consultant,
Department of Biochemistry & Professor, GRIPMER, Sir
Ganga Ram Hospital,
New Delhi, India
Phone no. 91-9818084844
Email id: bhargavaseema6@gmail.com

VICE PRESIDENT (II)

: **Dr. Kanan Vaidyanathan**
Professor & Head
Department of Molecular Biology
Amrita Institute of Medicine
Kochi - 682 026. Kerala. India
Cell : 9447286365
0484-2801234 Ex.8192

ADVISOR

: **Prof. K.P. Sinha,**
Director,
Biochem Lab, Budha Colony Main Road,
East Boring Canal Road,
Patna-800001, India
Tel : 91-612-2531212;
Mobile:09430061144
Email: kpsacbi@yahoo.co.in

SECRETARY

: **Dr. Rajiv Ranjan Sinha,**
Professor & Head,
Department of Biochemistry,
Nalanda Medical College ,
Kankerbagh Road, Patna-800020, Bihar, India
Tel : 91-612-2531212
Cell : 09835067630, 09801800171
Email: kpsacbi@yahoo.co.in
Web: www.acbindia.org.in

TREASURER

: **Dr. Krishna Ranjan Prasad,**
Professor, Dept. Of Biochemistry,
Katihar Medical College.
A-12 Sector D, Kankerbagh Colony,
Patna - 800 020. Bihar.
Tel # : 91-612-2353461
Mobile: 09334330401
Email : k_ranjan@msn.com

JOINT SECRETARY

: **1. Dr. Prasenjit Mitra**
Assistant Professor
Department of Biochemistry
PGIMER,
Sector - 12
Chandigarh – 160 012
Cell - 8107835666
Email : prasy4u@gmail.com

2. Dr Tanmay Saha
Assistant Professor
Dept. Of Biochemistry
College Of Medicine & JNM Hospital,
WBUHS
Hospital Road
Kalyani- 741235.
WB
Tel# : 033-25828562
Email: drtanmaysaha01@gmail.com

ZONAL COUNCIL MEMBERS**North Zone**

: **Dr. Dharamveer Yadav**
Assistant Professor
Dept. of Biochemistry
S.M.S. Medical College
Jaipur – 302 004
E-mail : dharam1435@gmail.com

South Zone

: **Dr. Medha Rajappa,**
Additional Professor of Biochemistry,
Department of Biochemistry,
Second Floor, Academic Centre,
Jawaharlal Institute of Postgraduate Medical Education &
Research(JIPMER), Dhanvantari Nagar, Puducherry-
605006
Phone: 094863-98875

West Zone

: **Dr Barnali Das**
Consultant, Laboratory Medicine,
Kokilaben Dhirubhai Ambani Hospital & Medical
Research Institute,
Mumbai - 400053.
Mobile : 9324349519
Email: drbarnalid@gmail.com

- East Zone** : **Dr. Vanita Lal**
Professor & Head
Department of Biochemistry
AIIMS
Panchayat Training Institute
Daburgram, Jasidih
Deoghar- 814142
Jharkhand.
Mobile : 8003996875
Email : laldasvanita@gmail.com
- Central Zone** : **Dr. Sukhes Mukherjee**
Associate Professor
Dept of Biochemistry,
All India Institute of Medical Sciences,
Bhopal- 462020
Madhya Pradesh
Mobile : 989780019
Email : sukhes.mukherjee@gmail.com
- IMMEDIATE PAST PRESIDENT** : **Dr. L. M. Srivastava**
Professor; Consultant-Advisor;
Department of Biochemistry and Lab Medicine;
Sir Ganga Ram Kolmet Hospital;
7-B ; Pusa Road;
New Delhi- 110005.
Mobile : 09810254455
Tel: 91-11- 49969702
91-11-28538531
E-mail : lalitmohan67@hotmail.com
- IMMEDIATE PAST SECRETARY** : **Late Dr. M. V. R. Reddy**
Prof. & Head, Department of Biochemistry
Mahatma Gandhi Institute of Medical Sciences,
Sevagram - 442 102. Maharashtra. India
- EX-OFFICIO MEMBERS :**
All Past Presidents
Convener, Quality Assurance Programme:
Dr. Pamela Christdoss & Dr. A. S. Kanagasabapathy.
Editor-in-Chief, IJCB, **Dr. Praveen Sharma**
Chairman, ACBI Corporate Wing
Convenors of any other committees
- CONVENOR, ACBI CORPORATE WING** **Mr. Upendra Singh**
Kopran Limited
Parijat House,
1076, Dr. E. Moses Road,
Worli. Mumbai - 400 018
Tel : 022-24922455/669/726 022-24950363/314
Email : upendra@kopran.com

STATE/UNION REPRESENTATIVES FOR 2020-21

Andhra Pradesh

Dr. K. Ramalingam
Associate Professor
Department of Biochemistry
Narayana Medical College & Hospital
Nellore 524002
Andhra Pradesh
Mobile: 9966937943
email: ramclinbio@gmail.com

Assam

Dr. Anju Barhai Teli
Professor & Head
Department of Biochemistry
Jorhat Medical College
Kushal Konwar Path,
Barbheta, Jorhat – 785001
Assam
Mobile : 9435390433

Bihar

Dr. Mala Mahto
Additional Professor
Dept. of Biochemistry
All India Institute of Medical Sciences
Phulwarisharif
Patna, Bihar
Email : dr.malamahto@gmail.com

Chandigarh

Dr. Jyotdeep Kaur
Professor of Biochemistry
Department of Biochemistry
PGIMER
Chandigarh-160015
Phone: 0172 2755181
Cell 9814816705
Email: jyotdeep2001@yahoo.co.in

Chattisgarh

Dr. Anurag Srivastava,
Senior Consultant Head
1-B, Street-24, Sector-9,
Bhilai-490 009
Phone: 0788-2242485,
Email:anuragbhilai@rediff.com

Delhi

Dr. Mamta Kankara
Dept. of Biochemistry
Sir Ganag Ram Hospital
New Delhi
Email : kankramamta@gmail.com

Goa

Dr. Chitra Dhume
Professor & Head
Department of Biochemistry
Goa Medical College
Panaji
Goa

Gujarat**Dr. Deepak Parchwani**

Professor
Department Of Biochemistry,
GMERS Medical College
Near Government Polytechnic College
Hadiyol Road, Himmatnagar - 383001
GUJRAT.
Phone : 09426857672
Email : drdeepakparchwani@yahoo.com

Haryana**VACANT****Himachal Pradesh****Dr. K. K. Sharma, Ph.D.**

Asst. Professor
Dept. Of Biochemistry
Dr.R.P.Govt. Medical College,
Kangra At Tanda, Pin - 176 001
Himachal Pradesh
Tel : 01892-267115

Jharkahnd**Dr Mrs Bela Rose Ekka**

Tutor
Dept. Of Biochemistry
Rajendra Institute Of Medical Sciences,
Bariatu, Ranchi - 834 009
Jharkhand

KARNATAKA**Dr. Shashi Kant Nikam**

Professor and Head
Department of Biochemistry
Belgaum Institute of Medical Sciences, Belagav
Dr. Ambedkar road, Belagavi - 590 001
Karnataka
Cell : 9480017319
Email : drshashinikam@gmail.com

Kashmir**Dr. Syed Mudassar**

Prof. & Head,
Dept of Clinical Biochemistry
S.K. Instt. of Medical Sciences,
Soura, Srinagar-190 011
Email: syed.mudassar@skims.ac.in

Kerala**Dr. Riju Mathews**

Assistant Professor
Department of Biochemistry
Believers Church Medical College Hospital
Thiruvalla - - 689103, Kerala
Email: rijumathewmsc@gmail.com

Madhya Pradesh**Dr. Ashwin L. Kotnis**

Associate Professor,
Dept of Biochemistry,
All India Institute of Medical Sciences, Bhopal
Email : ashwin.biochemistry@aiimsbhopal.edu.in

Maharashtra**Dr Rohini Bhadre**

Professor
Department Of Biochemistry
K.J.Somaiya Medical College
E. Nagar, Sion
Mumbai - 400 022
Phone : 09821303596
E-mail : rbhadre@hotmail.com

Manipur**VACANT****Orissa****Dr. Manaswini Mangaraj**

Professor & Head,
Department of Biochemistry
All India Institute of Medical Sciences (AIIMS),
Sijua, Patrapada, Bhubaneswar-751019
Mobile: 9438884010
Email: biochem_manaswini@aiimsbhubaneswar.edu.in

Pondicherry**Dr. H. Nandeesh**

Additional Professor
Department of Biochemistry,
Second Floor, Academic Centre,
Jawaharlal Institute of Postgraduate Medical Education &
Research(JIPMER),
Dhanvantari Nagar, Puducherry-605006
Phone: 9443434438
Email: nandijipmer@gmail.com

Punjab**Dr. Shailja Chambial Sharma**

Senior Resident
Dept. Of Biochemistry
All India Institute Of Medical Sciences Basni-Phase 2
Industrial Area Jodhpur – 342005
Cell : 8003996924
Email : shailjachambial@yahoo.com

Sikkim**Dr. Mingma Lhamu Sherpa**

Professor and Head,
Department of Biochemistry
Sikkim Manipal Institute of Medical Sciences
Gangtok 737102
Email: mingmals@yahoo.com
Mobile: 8967583004

Talengana**Dr. I. Krishna Mohan**

Associate Professor,
Department of Biochemistry,
Nizam;s Institute of Medical Sciences
Hyderabad - 500 082
Email. iyyapu@gmail.com
Mob: 09505322996

Tamil Nadu

Dr. R. Arivazhagan, Ph.D.
Associate Professor,
Clinical Biochemistry Dept.,
Cancer Institute, Adayar
Chennai - 600 020
Email: r_arivazhagan@hotmail.com

Tripura

VACANT

Uttarkhand

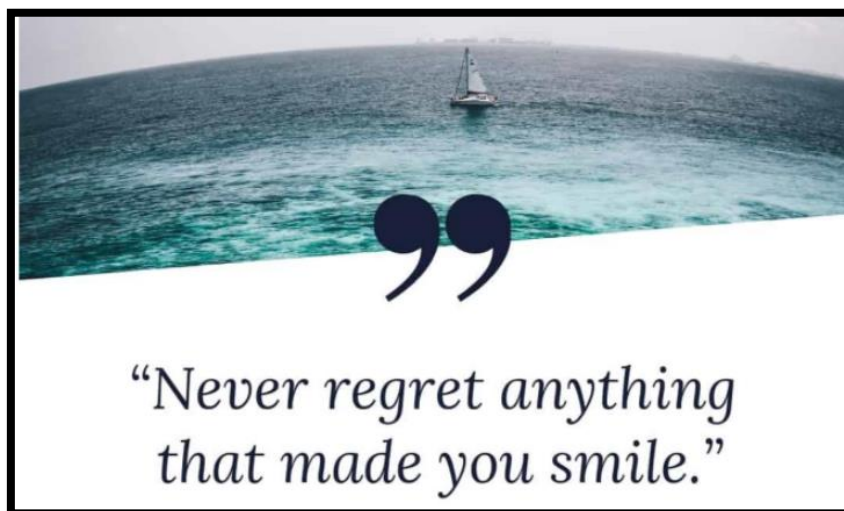
D. Vinit Mehrotra
Professor
Dept. of Biochemistry
Himalyan Institute of Medical Sciences
Swami Ram Nagar
Jolly Grant, Dehradun
Email : mehrotravinit@rediffmail.com

Uttar Pradesh

Dr. Mona Saxena
Professor & Head
Department of Biochemistry
Dr Sone Lal Patel Autonomous State Medical College,
Pratapgarh UP
(M): 9389725803
Email: drmonasaxena74@gmail.com,
drmonasaxena@gmail.com

West Bengal

Dr. Mrityunjoy Halder
Assistant Professor
Dept. Of Biochemistry
College of Medicine & JNM Hospital,
WBUHS, Hospital Road, A block
Kalyani- 741235
West Bengal
Tel # 033-25828562
Email: mhaldernbmc@gmail.com



47th ACBICON 2021 KOLKATA: A Report 12th – 15th Dec 2021, Kolkata, India

Offline-Online Hybrid THEME- “Towards a Better Tomorrow”

The 47th National Conference of the Association of Clinical Biochemists of India was organized by the Department of Biochemistry, College of Medicine & JNM Hospital Kalyani, WBUHS, and West Bengal, India. An inspiring and enlightening scientific program was prepared by the scientific committee. Extensive educative sessions were conducted by well-known national and international doctors and scientists. More than 100 learned professionals shared their knowledge about recent advances and technologies in the field of Clinical Biochemistry. The conference was attended by over 800 delegates from all over the world. The conference was a four day event where the pre-conference workshops and the inaugural program were held on 12th December 2021 and the main scientific program was held on the 13th to 15th December 2021 in hybrid mode.

A total of 5 online workshops were held on 12th December 2021. Each workshop was conducted by eminent persons with expertise in the particular field. These workshops on: a. Next Generation Sequencing, b. Flowcytometry, c. Statistics in Biomedical Research, d. Early Clinical Exposure, e. Pre-analytical Requirements and Ensuring Quality of Examination; were highly informative and rigorous and were concluded with an interactive question- answer session with the participants.

A pre-inaugural scientific session on Glycemic Control was organized in the afternoon of 12th December 2021. A talk on **“Second Generation of Basal insulin: a new benchmark for Redefining Glycemic Control”** was delivered by Prof. Abhijit Das. Dr. Ankan Pathak discussed on **“Principal Tips of Initiation and Titration of Insulin: what, when and How?”** Dr. Abhishek Ghosh spoke on **“The Position of Gliclazide and Metformin FDC in the Evolving Landscapes of T2DM Management”**. **“Dapagliflozin- Current Perspectives and Future Outlook”** was highlighted by Dr. Deblina Sarkar, while Dr. Abhishek Ghosh spoke on **“First Metformin + SGLT2 i+ DPP4i FDC in India: Clinical Development and Clinical Relevance in Indian T2DM Management.”**



Address by Prof K Vijay Raghavan, Principal Scientific Advisor to the Prime Minister, Chief Guest



Welcome Address by Prof Aniruddha Neogi



Hands on Workshop in progress

The **inaugural program** commenced in the evening of the 12th December, with a warm welcome address by Prof. Aniruddha Neogi, Principal, College of Medicine & JNM Hospital, WBUHS, Kalyani. This was followed by lighting the lamp by all the dignitaries present at the Auditorium to formally inaugurate ACBICON 2021. The Presidential Address was delivered by the ACBI President, Prof. L.M. Srivastava, Consultant-Advisor in the Department of Biochemistry and Laboratory Medicine at Sir Ganga Ram Kolmet Hospital, New Delhi. The General Secretary Report was presented by Prof. Rajiv Ranjan Sinha, Professor & Head, Department of Biochemistry, Nalanda Medical College, Patna, and Bihar, India. The chief guest of the program Prof. K. Vijay Raghavan, Principal Scientific Adviser to the Government of India, delivered a wonderful speech on the role of biochemistry in advancement of civilization online. The Guest of Honor, Prof. Dr. Suhrita Pal, the Hon'ble Vice Chancellor of The West Bengal University of Health Sciences, addressed the audience. The ACBICON 2021 souvenir was formally released by Prof. Dr. Ramji Singh, Executive Director & Chief Executive Officer at All India Institute of Medical Sciences, Kalyani.



Souvenir Release

The **Dr. Tarnath Shetty Memorial Oration** (Popular Lecture Series) was delivered by Prof. Dr. Suhrita Pal, Hon'ble Vice Chancellor, WBUHS, on **"Personalized medicine: An overview"**. Her lecture highlighted that personalized medicine is emerging practice of medicine that takes the help of evidence based medicine by using an individual's genetic profile to guide decisions made in regard to the prevention, diagnosis, and treatment of various diseases like cancers, Alzheimer, Hepatitis, Cardiac diseases etc. Scientific, economic and regulatory challenges remain to be addressed following which physicians can go beyond the one-size-fits-all model of prescription, to make more effective tailor-made clinical decisions for each patient.



Prof Suhrita Paul is being felicitated with Dr. Tarnath Shetty Memorial Oration

This was followed by address by the Organizing Secretary, Prof. Subir Kumar Das, Head of the Department, Department of Biochemistry, College of Medicine & JNM Hospital Kalyani. The program was concluded with vote of thanks to all the dignitaries present in the ceremony both online and offline.



DAY 2:

The 2nd day Scientific program started with **Plenary lecture by Dr. Anant Mohan, Professor & Head, Department of Pulmonary Medicine, AIIMS, New Delhi** on “COVID-19: The progress made and future challenges”. In his **K.L. Gupta Memorial Oration Award** talk on “Recent advances in cancer diagnosis and precision medicine”, Padma Shri Prof Mammen Chandy, the Director of Tata Medical Center, Kolkata; mentioned the use of next generation sequence based testing; real time droplet based PCR (DDPCR) to diagnose mutational landscape for cancer diagnosis and the emergence of new drugs to prevent the progression of cancer. His talk highlighted the fact that an oncologist of today has to embrace this new era of molecular medicine, based on understanding the metabolic pathways, to detect and treat cancer.



Prof. Mammen Chandy is being felicitated with the K.L. Gupta Memorial Oration Award

In **Seth G.S. Medical College & K.E.M. Hospital Oration Award** talk on “Clinical Chemistry & Immunoassay Test Results: Harmonization and Standardization of Discordant Notes”, Dr. Barnali Das from Kokilaben Dhirubhai Ambani Hospital, Mumbai, highlighted that reference interval for biomarkers can differ based on a particular population’s demographic variations; and harmonization of this process is a formidable challenge.



Dr. Barnali Das is being felicitated

A total of 8 symposia were organized in three parallel sessions in hybrid mode on the 13th December 2021. In the symposia on ***“Laboratory diagnostics of Covid”***, Dr. Rahul Dev Sarkar from Medway NHS Foundation Trust, King's College London, discussed specifically on the role of ISARIC 4C score, D-Dimer, LDH, Ferritin, Procalcitonin, Troponin, IL-6 and CRP to predict diseased outcome in patients. Dr. Ranajit Das from Yenepoya Research Centre, Mangalore highlighted that *genomic variation underlies the severity of COVID-19 clinical manifestation in individuals of European descent*, Dr. Sohini Sengupta from BLK-MAX Super Specialty Hospital, Delhi discussed on the clinical outcome for using *Remdesivir/Tocilizumab* during *Cytokine Storm in severe COVID-19 infection*. Dr. Indranil Halder from College of Medicine & JNM Hospital, WBUHS, Kalyani discussed on the *“Management of Allergic Rhinitis in Scenario of Covid 19”*. Dr. Tanmay Saha from College of Medicine & JNM Hospital, WBUHS, Kalyani chaired this session and interacted with audience and speakers on various issues related to laboratory diagnosis of COVID 19 and management.

The second symposia on ***“Recent advances in cancer diagnosis and precision medicine”*** were chaired by Prof U. Satynarayan and Dr. Sutapa Mukherjee. Dr. D. Raghunadharao, Chief medical Oncologist, from KIMS ICON Hospital, Visakhapatnam, stressed on recognizing the genetic changes or switches – driver mutation, the pathways that are thence activated, and mechanisms that help the cancer cell escape immune detection have led to the design of newer modalities to combat cancer in his talk on *“Precision Diagnosis and Personalised Cancer Treatment”*. Prof. Jaishree Vaijanathappa, from JSS Academy of Higher Education and Research, Mauritius described about nanovectors for targeted delivery of anticancer drugs and imaging contrast agents,

biologically targeted nanosized MRI contrast agents for intra-operative imaging, nanoparticle based methods for high specificity detection of DNA and protein, nanowires and nanocantilever arrays, for early detection of cancer. Prof. Tapasya Srivastava from Department of Genetics, University of Delhi, discussed on *“Epigenetic Signature of Active Methylation in the Hypoxic Niche of Gliomas”*. Prof. Mingma Lhamu Sherpa from Sikkim Manipal Institute of Medical Sciences compared the quality and yield of gDNA from urine and oral samples to identify more acceptable biological sample for HPV DNA assay.

Prof Subrata Sinha, Head of the Dept. of Biochemistry, AIIMS, and New Delhi chaired the 3rd symposia on ***‘Neurological diseases’***. In this symposium, Prof. Sanjeev Jain highlighted on *“Genetics guides to biological understanding of psychiatric disease”*. While, Prof. M. Faruq from CSIR-Institute of Genomics and Integrative Biology, Delhi, discussed on genetic mapping of neurodegenerative disorders especially cerebellar ataxia; Prof. Subrata Sinha described the neuronal differentiation pathway involved in dyslexia.

Prof Sandeep Mahajan from Dept. of Nephrology at AIIMS, New Delhi, highlighted the major studies that have characterized the diagnostic and prognostic predictive power of the acute kidney injury (AKI) biomarkers, and also looked at mechanistic relevance of them in the symposia on ***Renal Disease***. While, Dr. Mithu Banerjee from AIIMS Jodhpur, discussed the role of creatinine estimation for early diagnosis and tagging of AKI; Dr. Purvi Purohit from AIIMS Jodhpur, emphasized the role of generating timely lab alerts through laboratory information systems to detect early renal damage in AKI patients.

The symposium on ***‘Biomedical Innovation & Development’*** was chaired by Prof. Kalyan Goswami from AIIMS, Kalyani.

In this symposium, Dr. Debashree Chakraborty, from National Institute of Technology Karnataka, Mangalore, discussed on different computational tools that are available for studying protein stability, drug delivery and vaccine designing. Dr. Priyadarshi Dey from IISER, Kolkata; discussed on effective therapeutics that is able to control the amyloidogenesis process and inhibit fibril formation. Dr. Partho Sarathi Ray also from IISER-Kolkata, established that the miR-21-GSN-PDCD4 regulatory network as a crucial mediator of a macrophage quorum sensing mechanism for the control of inflammatory responses. Dr. Souvik Maiti of CSIR-IGIB, New Delhi, in his talk on “Francisellanicida Cas9 (FnCas9) Editor Linked Uniform Detection Assay (FELUDA)”, described a method using bacterial CRISPR Cas Ribonucleoprotein complex for detecting single nucleotide variants in any DNA or RNA fragment, without the need for sequencing.

Prof Abbas Ali Mahdi and Prof. Pradeep K Dabla chaired the **IFCC** symposium on emerging technology. Prof. Sergio Bernardini, Chair IFCC-Emerging Technology Division, emphasized the application of augmented intelligence tools in medicine, which can be useful to face new evolutions in the health care Systems all over the world such as increase in request for care and life expectancy, multichronicity, patient's empowering, reduced time with Doctors, Limits in governments investments for HealthCare and increased expenses out pocket. Dr. Bernard Gouget, Chair IFCC Committee on Mobile Health and bioengineering in Lab Medicine, discussed on “smart technologies to tackle COVID-19”.

Prof. Damien Gruson believes that clinical laboratories and specialists in laboratory medicine assisted by AI companions for data integration will provide key components and expertise for the transition of network

medicine to clinical practices, with a high potential for new ways of caring complex diseases.

Symposium on “**Cardiovascular and Coagulation disorders**” was chaired by Prof Jayashree Bhattacharjee and Prof. D K Shrivastava. Dr. Sanja Stankovic, from Serbia summarized the most relevant evidence currently available on pharmacogenetics (PGx) of cardiovascular drugs, available PGx information and genetic tests, and its clinical implementation into daily clinical practice. Indian young adults constitute 15 – 30% of all stroke patients versus 3 to 4 % patients in the west. Dr. Renu Saxena, discussed on pathogenesis of thrombotic stroke in young in Indian scenario. Dr. Anita Khalil, from MAMC, New Delhi, discussed on infantile markers of cardiovascular diseases. While, Dr. Vimal Mehta, from GIPMER Delhi, discussed on lipid associated risk and its management in atherosclerotic cardiovascular disease; Dr. Devaki R Nair, from the Royal Free London NHS Foundation Trust, UK, suggested that the laboratory investigations required from step wise diagnosis of dyslipidemia.

The final symposium of the day on “**Life Style Diseases & Metabolic Disorders**” was chaired by Prof DM Vasudevan and Dr. Vijaykumar Kutala. Precision medicine aims to move away from generalized approaches that use a ‘one size fits all’ approach so that treatment decisions are *personalized* and based on individual variability in genes, environment, and lifestyle. In this scenario, Dr. V Mohan, Chairman & Chief of Diabetology, Dr. Mohan's Diabetes Specialities Centre & Madras Diabetes Research Foundation, concluded that precision or personalized medicine has finally come to the diabetes clinic. Good clinical phenotyping can make genetic testing cost effective. It can also help change the therapy from life long insulin injections to tablets for some forms of diabetes like monogenic diabetes which can be very

gratifying to the patient and his / her family. In general, the term lifestyle disease has been applied to disease like type 2 diabetes, obesity and coronary artery disease. In reality, these disorders are complex and require complex solutions. Dr. Unnikrishnan AG, CEO and Chief Endocrinologist, Chellaram Diabetes Institute, Pune, felt that in countries like India, requires a combination of

“macro” as well as “micro” approach. The macro approach focuses on public health, community empowerment and awareness. The micro approach focuses on diagnosis and management of the disease from an evidence-based medicine perspective. This unique combination can help tackle the epidemic of cardio metabolic disease in our midst.

DAY 3

Day 3 of the conference started with the **Awadhesh Saran Memorial Oration Award** lecture by Prof Saumitra Das, Director, NIBMG Kalyani on “Hepatitis C Virus: Life in the liver”, where he described his work for understanding the biology of Hepatitis C virus. Dr. Shyamali Pal, from Kolkata, delivered a lecture on “Proficiency Testing - Purpose and Perspective” for the **Dr. T. N. Pattabiraman Oration Award**.



Prof. Saumitra Das is being felicitated with Awadhesh Saran Memorial Oration Award

Prof Pramod Garg, Executive Director, THSTI discussed on “*Insight into Pathophysiology of Chronic Pancreatitis*” in the symposium on “**Liver and Pancreatic Disease**”. Dr .Shyam Prakash from AIIMS, New Delhi highlighted that transfer RNA derived RNA fragments alteration involved in the process of metabolically associated fatty liver diseases (MAFLD) and non alcoholic fatty liver diseases (NAFLD), leading to hepatocellular carcinoma, and also discussed about the applicability of non-invasive molecular biomarkers as therapeutic targets and liquid biopsy for diagnosis of NAFLD.

Dr. Savneet Kaur from ILBS, New Delhi characterized liver endothelial injury biomarkers in patients with liver fibrosis and cirrhosis of varying etiologies.

Prof. Krishnand Prabhu and Dr. Barnali Das chaired a Symposium by AACC-India Section on “**Technology Advances & Challenges**”. In this symposium, Dr. Stephen R. Master, from Philadelphia, USA, described the fundamental rationale for expanding the traditional laboratory emphasis on single-analyte diagnostics into higher-dimensional analytical frameworks.

He also demonstrated the use of machine learning in high-dimensional data sets, including, as an example, work from our group demonstrating the effective diagnosis of myelodysplastic syndrome in a screening context using hematology analyzer parameters. Dr. Joe El-Khoury, from the Yale School of Medicine, evaluated of Pneumatic Tube Systems to reduce transport-induced hemolysis. Dr. Lakshmi V. Ramanathan, from New York, USA, examined how interferences in immunoassays can be addressed with interesting case studies.

Genetic diseases are known occur due to various types of mutations in the human genome. The molecular assays to diagnose these diseases have been developed based on the type of mutation commonly seen in each disease. There are a number of prerequisites to be kept in mind before ordering a Molecular Genetics test. In this context, Prof. Najmul Islam from AMU and Dr. Ashwin Dalal from Centre for DNA Finger printing and Diagnostics, Hyderabad, chaired the symposium on **“Molecular Diagnostics and Genetics”**.

A number of different techniques are used to identify mutations in genetic diseases. Various techniques used in molecular diagnosis of genetic muscle diseases were discussed by Dr. Ashwin Dalal. With the advent of unbiased genomic tests especially chromosomal microarray and exome sequencing, the diagnosis of genetic disorders has been revolutionised. Dr. Anju Shukla from Department of Medical Genetics Kasturba Medical College, Manipal discussed on applications of microarray CGH and exome sequencing in genetic diagnostics. Mitochondrial diseases are multi-systemic, heterogeneous group of disorders affecting children and adults with 1 in 5000 individuals. Highlighted the role of IFCC Taskforce on Global E-learning; Dr. Prasenjit Mitra, from PGIMER Chandigarh, discussed on the recent scenario of eLearning in India.

Prof. Dibyajyoti Banerjee from the Department of Experimental Medicine and Biotechnology, PGIMER, Chandigarh highlighted the importance of color reactions, in spite of the development of POCT tools in the symposium on **“Point of Care Testing (POCT)”** chaired by Dr. Tester F Ashvaid. Dr. Neeraj Jain, President, MELAP, discussed on “Quality Assurance in Clinical Laboratories” and Dr. Jawahar (Jay) Kalra, from University of Saskatchewan and Royal University Hospital, Saskatoon, Saskatchewan, Canada, discussed on “Quality Management and Assessment: Integration of Culture of Quality to Improve Patient Safety and Health care Delivery” in the continued symposium on **“Quality Control:** chaired by Prof. T Venkatesh.

Since the ground breaking work of Robert Guthrie in the 1960s to promote newborn screening for phenylketonuria it is estimated that perhaps 100,000 children, many now adults, have benefitted from this life changing intervention. In this context, Prof DM Vasudevan and Prof Kannan Vaidyanathan chaired a symposium on **“Pediatric Biochemistry & Inborn Errors of Metabolism”**.

Prof. K Vaidyanathan, from the Amrita Institute of Medical Science & Research Center, Kochi, Kerala discussed on molecular diagnostics in inherited metabolic disorders in the context of beta thalassemia and duchenne muscular dystrophy. Dr. Anibh M Das, from Hannover Medical School discussed on biochemical, pathophysiology, clinical symptoms and therapy of hepatorenal tyrosinaemia. Dr. Kallol K Set discussed on an overview of riboflavin absorption, transport and metabolism as well as Riboflavin deficiency disorders, and also approached to diagnose and treat a very rare metabolic disorder in children: Brown-Vialetto-Van-Laere syndrome (BVVLS). In the symposium on **“Medical Ethics”**, Dr. Sirshendu Chaudhuri, from the Indian Institute of Public Health,

Hyderabad, discussed “Guidelines on Ethical Conduct on Research”, Dr. Kamala Vijay highlighted the “Roles and Responsibilities of Ethics Committee Members”, Prof Suman Kr Roy from College of Medicine & JNM Hospital, WBUHS, Kalyani, discussed on “Good Clinical Practice & Clinical Trial Registry in India” and Dr. Sucheta P. Dandekar highlighted “Ethics in Laboratory Medicine”.

In the symposium on “**Leadership & Management**”, Dr. Seema Bhargava discussed on the topic “Leaders and Leadership -What do we need?” While, Dr. G. Jeyachandran discussed on “Team Development in the Laboratory”, Dr. Col. D.K. Mishra from Tata Medical Centre, Kolkata highlighted on “Professional Development of Laboratory Human Resource in a Resource Constrained Country”. Finally, Dr. Ramy Assaad Khalil delivered a speech on “Evidence-Based Test Utilization and Stewardship of Resources: Lab Management Responsibility”.

Dr. Sadanand S. Naik from Pune, organized a symposium on “**Vegetarian Indians-Vitamin B12 status**”.

The final day (15th December 2021) program started with **Mrs. & Dr. G P. Talwar Oration Award Lecture** by Prof. Partha P. Majumder, National Science Chair, Govt. of India & Distinguished Professor from National Institute of Biomedical Genomics, Kalyani, on “Genomics of Immune-Response to Typhoid and Cholera Vaccines”.

Prof LM Srivastava and Dr. Jitendra Sharma Chaired the symposium on **IFCC-TFYS**, with opening remark by Dr. Santiago Fares Taie. Dr. Himanshu Sharma, from AIIMS Bhatinda, highlighted the emerging role of extracellular vesicles in HIV infection.

Dr. Ankita Singh, from CSIR-IGIB, New Delhi discussed the promise of NGS methods for diagnostic infectious disease testing. Dr. Roopali Rajput highlighted the importance of non-coding RNAs as diagnostic agents and therapeutic candidates.

In the symposium ‘**Artificial intelligence in clinical diagnosis**’, Dr. Shantanu Panja, from Apollo Multi speciality Hospital, Kolkata elaborated how artificial intelligence (AI) and surgical robots are transforming surgery, and the multitude use of AI in different sectors of medicine in regular practice and also the present pitfalls with emerging challenges in the use of machine learning and AI in health care. Dr. Saugata Hazra, from IIT Roorkee reported successful identification and predicting potential anti-hypertensive peptides from food sources, the development of rigorous strategies by incorporating machine learning, and structural bioinformatics-based web server. Dr. Ramesh S Ve from Manipal College of Health Professions, MAHE covered AI based approaches in eye care innovations.

Prof DN Rao chaired the symposium on ‘**Clinical Immunology**’ and shows disparity in the behaviour of monocytes subsets in patients with acute post-traumatic sepsis in his lecture. The POTE gene family is primate-specific and expressed in Prostate, Ovary, Testis, Placenta, and cancers. Dr. Ashok Sharma from AIIMS, New Delhi, hypothesized that POTE antigen is a newly identified antigen family, belongs to Cancer-Testis/Germline antigens (CT/CG) antigen, and is highly expressed in germ cells as well as in tumors. Dr. Kalpana Luthra discussed on chemokines and chemokine receptors in HIV-1 infection. Dr. Moinuddin from AMU discussed on biophysical and biochemical elucidation of methyl glyoxal modified insulin and its role in immune response in type 2 diabetes mellitus patients.

Primary aldosteronism (PA) is probably the most common cause of secondary hypertension in middle aged adults. It is the autonomous excessive secretion of aldosterone that is important in maintaining blood pressure, along with electrolyte and fluid balance.

Dr. Samuel D Vasikaran initiated the symposium on “**Hormone related Disorder**” with the topic on “Diagnosis of Primary aldosteronism”. Prof. Manidip Pal from College of Medicine & JNM Hospital, WBUHS discussed on “PCOS and Its Biochemical Correlation” and Dr. Ravinder J Singh from Mayo Clinic, Rochester, USA discussed on “Steroid Testing by LC-MS/MS for Diagnosing Adrenal Disorders”.

Therapeutic drug monitoring (TDM) and pharmacogenomics testing are both clinical laboratory based methods for supporting pharmacotherapy. However, traditional therapeutic drug monitoring is useful in individualizing dosages when there is altered pharmacokinetics of a drug due to a disease or in infants as well as elderly patients and pregnant women. In this context, Dr. Amitava Dasgupta from University of Texas McGovern Medical School at Houston, USA, discussed where pharmacogenomics tests are really useful (therapy with warfarin, tamoxifen etc) and where TDM is satisfactory with emphasis on free (unbound) drug monitoring and unique application of therapeutic drug monitoring in identifying clinically important drug-herb interactions, in the symposium was on “**Toxicology and Therapeutic drug monitoring**”.

Prof. BD Banerjee from University College of Medical Sciences & GTB Hospital, University of Delhi, discussed on “Gene Environment Interaction as Possible Biomarker for Etiology of Diseases”. Dr. Uttam Garg from UMKC School of Medicine, Children’s Mercy Kansas City, USA, discussed on pediatric toxicology.

IFCC- CCLM Symposium on Laboratory Management and Leadership, was chaired by Prof Seder Yenice. Prof Praveen Sharma was convener of this symposium and delivered a talk on “Value based Laboratory Medicine Practice: Opportunities and Challenges”. Prof Sharma had emphasized that laboratory professionals need to

emphasize the importance of laboratory data supported by strong evidence to improve diagnostic and prognostic traditional thinking. Dr. Ed Randell from Canada discussed on “High Impact initiatives that improve laboratory utilization”, highlighting the ways to improve laboratory testing processes to improve patient outcome. Dr Raja Elina Raja Aziddin, from Kuala Lumpur, emphasized the significant role of laboratory medicine specialists in clinical decision making. Dr. Merve Sibel Gungoren, from Duzen Laboratories Group, Turkey, addressed the potential benefits of laboratory data and informatics tools for test utilization management.

In addition, there was free paper Sessions by 36 delegates in this conference. Thirteen young investigators presented their work in different Oral Award categories. 236 delegates presented their work through poster presentations and participated in poster presentation awards. Medical post graduate students in Biochemistry also enthusiastically participated in AFMC Quiz contest.

Different Corporate bodies participated in Industrial Workshop and Scientific activities. Industrial Hands On Workshop was organized on TRUENAT Testing by MolBio Diagnostics Pvt Ltd. Agappe Diagnostics Ltd. delivered a lecture on “Rapidly Changing Challenges in Covid Testing”. Transasia BioMedicals Ltd. organized two scientific talks on “Moving towards Automation in Clinical Chemistry” and “Reconstituted HDL: A drug delivery platform”. Abbott Healthcare Pvt Ltd. organized a talk on “Changing the way we predict heart diseases using hsTroponin I”.

Thermo Fisher Scientific India Pvt. Ltd. arranged one Industry sponsored program and also a talk on “Therapeutic Drugs Monitoring”. Roche diagnostics arranged a scientific talk on “Total Lab Automation”. Delegates also enjoyed the Virtual Stalls of the Corporates for their products.



The Organizing Team

The 47th ACBICON 2021, finally concluded with the valedictory ceremony on 15th December, 2021. In this session, winners for AFMC Quiz competition, Awards for Oral Categories and Poster Categories were announced. The program ended with Vote of Thanks.



ANNUAL REPORT 2021

As read out by the Secretary, Dr. Rajiv R Sinha during the hybrid inaugural function of the 2021 congress.

Respected Chief Guest, Prof. K. Vijay Raghavan, Principal Scientific Advisor, Government of India, our Guest of Honor, Professor Suhrita Paul, Honorable Vice-Chancellor, West Bengal University of Health Sciences, Professor L. M. Srivastava, President, Association of Clinical Biochemists of India, Professor Subir Das, Organizing Secretary, 47th. ACBICON 2021, Distinguished guests, members of ACBI, Friends, Ladies & gentlemen.

It is extremely gratifying to welcome such an august gathering from different parts of India to attend the 47th Annual national conference of the Association of Clinical Biochemists of India being held in Kolkata. At the outset, I wish to apologize to all delegates for not being present in the Offline Mode to give the annual report of your association. This was due to preparation for NMC inspection at my college.

This conference has fallen victim to one of the deadliest epidemics of this century. Slated for December 2020 it kept on being pushed back waiting for the Covid graph to fall but ultimately it was decided by the ACBI EB that it would be held in December 2021. Professor Subir and his team must be commended for not losing hope.

It is my pleasure to stand before you all to deliver the Annual report of the activities of the Association of Clinical Biochemists of India for the year 2020 & 2021. Following complete restrictions in all conferences & meetings, our association purchased the Zoom license and organized many webinars throughout 2020 and early 2021. We had a wide range of topics covering nearly all aspects of laboratory medicine and speakers from India and abroad.

Credit goes to Dr. Prasenjit Mitra, Assistant Professor at PGI Chandigarh & Joint Secretary, ACBI.

2020 & 2021, was the year of Delta where we lost so many of our colleagues and countrymen. It was a bad year for the association when we lost two of our most active members to covid. Dr. Arun Raizada (Past President) & Dr. K. K. Srivastava (President, Delhi Chapter).

The last conference we had was held along with the 15th Asia-Pacific Federation for Clinical Biochemistry and Laboratory Medicine (APFCB) Congress in Jaipur from 17th to 20th of November 2019. The congress had a heavy schedule with six pre-congress workshops, three plenary lectures and 4 ACBI Orations. The scientific program of the Congress had 40 symposia containing 134 lectures presented on emerging topics of clinical biochemistry and laboratory medicine by various member societies of APFCB, IFCC, AACC, COLABIOCLI, Was Palm and 366 posters.

ACBI – CMC EQAS PROGRAMME:

The ACBI-CMC Vellore External Quality Assurance Programme is being run smoothly by Dr. Pamela Christudoss and her team at C.M.C. Vellore. I am happy to share with you that the ACBI-CMC Vellore EQAS program has now successfully completed its 43rd. year. With a modest start of 70 labs in 1978 it has since then grown to more than 6000 labs. Today, the labs are participating in 7 different programs. Six of these programs are accredited by NABL for the ISO 17043 standards. We must thank Dr. Pamela, the management of Christian Medical College Vellore and her team for keeping this flagship project of ACBI moving smoothly.

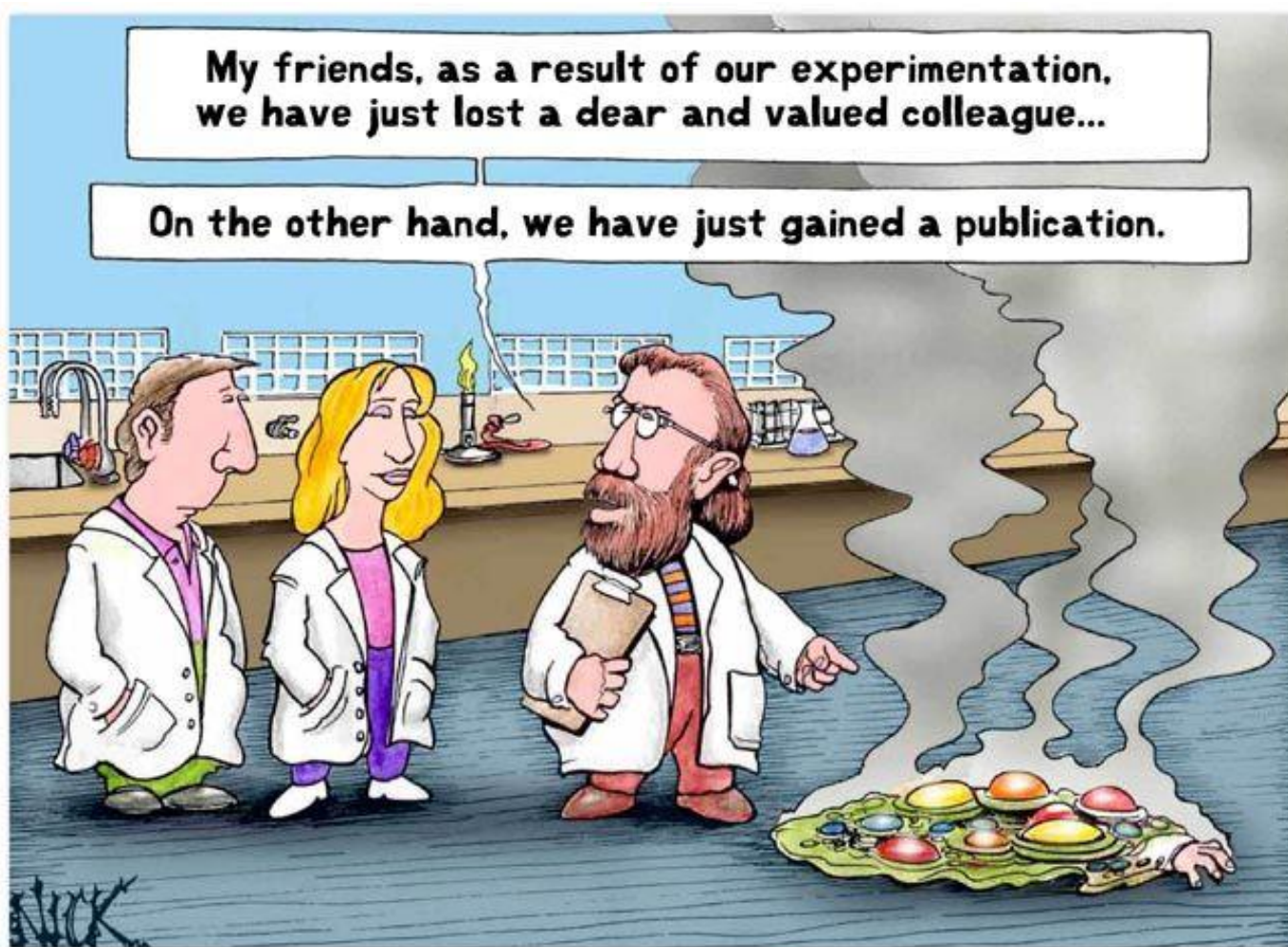


The **Membership of Indian Board of Clinical Biochemistry** course was started on 1st January 2013 and is being conducted by the Indian Board of Clinical Biochemistry (IBCB) under the auspices of Association of Clinical Biochemists of India (ACBI) and is approved by the Quality Council of India (QCI). Three students have completed their course and passed their exams. They are Dr. DKV Prasad from Visakhapatnam, Lt Col (Dr.) Barun Kumar Chakrabarty, Guwahati and Dr. Prathibhabharathi. K from Nellore We must thank Dr. D. M. Vasudevan, Dr. Kannan Vaidyanathan and their team at IBCB for their zeal and effort in managing this very important course and fructifying the vision of our Advisor, Dr. K. P. Sinha and initiated by the Association for the betterment of Clinical Biochemistry in this country.

INDIAN JOURNAL OF CLINICAL BIOCHEMISTRY

Four IJCB issues have been released in time with Springer India Pvt. Ltd. Our journal is being circulated to more than 6000 libraries all over the world earning IJCB a royalty of rupees 20.00 lakhs in 2020-2021. The Editor-in-Chief, Dr. Praveen Sharma and his editorial team must be commended for keeping the quality of IJCB at the highest level.

Dr. Subir Das and his team have worked hard under very difficult circumstances to put together a very good scientific program. Before I sign off, I must thank President, ACBI and the members of the executive council for helping me guide the association through the difficult 2 years. Today Dr. Subir Das will be taking over as President of the association from Dr. LM Srivastava.



CALLING ALL YOUNG DELEGATES

“ACBI YOUNG SCIENTIST BURSARY”

Applications are invited from Young scientists, who are members of ACBI, for the award of the ACBI Young Scientist Bursary for attending the ACBI National conference.

The criteria for bursary selection are as follows:

1. Age of the candidate should be 35 or less than 35 years on 31st. December of the year of the conference.
2. Candidate should be a member of ACBI or if not a member then he/she shall have to take Sessional membership for the conference.
3. Having a Poster / Abstract accepted.
4. Work to be presented at conference should be original as evaluated by the scientific committee.
5. The candidate should give an undertaking that he/she did not receive any grant from any other government or private sources.
6. The candidate should submit application through proper channel, i.e. signed by head of department or head of Institution.

Two candidates will be selected for award of **FULL BURSARY** and two candidates will be selected for **PARTIAL BURSARY**. One bursary will be given to candidate contesting for any oral Award presentation, and the Second bursary will be given to candidate presenting Poster.

FULL BURSARY: Rupees Ten Thousand each.

Each PARTIAL BURSARY: Rupees Seven Thousand each.

Bursary recipient will be selected by the Bursary Award Committee on the basis of information provided through the “Bursary Application Form” submitted within the deadline provided in the Final Brochure of the conference & also on the ACBI Website.

The application along with all documents should be sent to the Organizing Secretary of the Conference before the last date for call for abstract as published in the Final brochure or the conference website.

Candidates applying would have to submit the following: (1) Proof of registration, (2) Proof of membership of ACBI, (3) Proof of age, and (4) copies of their Oral /Poster presentation to the committee for evaluation, (5) a letter stating that they have not received any grant for attending the conference.

All applications have to be forwarded by their Head of departments /Institution. The Awardees name will be announced during the valedictory function of the conference.



Application for ACBI YOUNG SCIENTIST BURSARY AWARD

To,
Dr. Seema Bhargava,
Organizing Secretary,
Chairperson and Senior Consultant,
Department of Biochemistry & Professor, GRIPMER,
Sir Ganga Ram Hospital, New Delhi, India
Phone no. 91-9818084844
Email: seemabhargava6@gmail.com

Madam,

Ihaving ACBI Membership numberam submitting an application for my name to be considered for the award of ACBI YOUNG SCIENTIST BURSARY to attend the Annual National Conference. I am aware of the terms and conditions of competing for the Bursary award and abide by the rules.

Enclosures:

- 1 Two sets of full text of the paper/Poster.
- 2 Documentary evidence of age.
- 3 No objection certificate from co-authors, if any
- 4 ACBI membership number
- 5 Photocopy of documentary evidence of membership.
- 6 Photocopy of evidence of registration for the conference and acceptance of Abstract/ Poster.

Kindly acknowledge the receipt of the same.

Name

Educational Qualifications

Current Position

ACBI Membership Number:

Address.....
.....
.....

Contac Numbers:

E-mail id

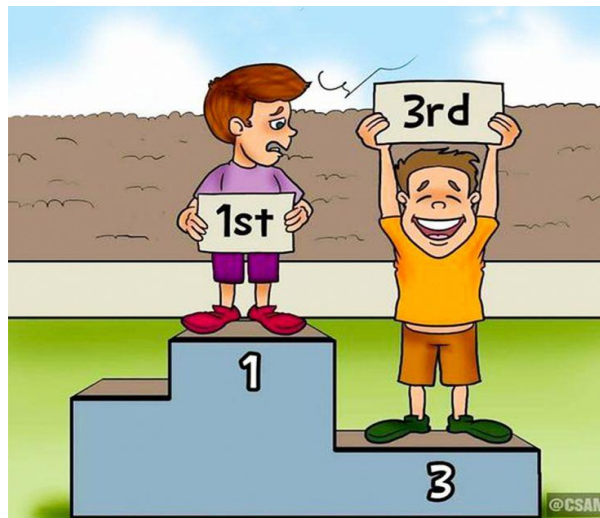
Date

Name Signature and Address

A.C.B.I. Travel Fellowship

Applications are invited from Young members of the Association by the Organizing Secretary of the Annual conference for availing this fellowship. **This award shall be awarded to Young Members of ACBI below the age of 35 whose paper has been accepted for presentation and who has not availed any other assistance through any other source. Total number of Travel Fellowship award will be Five (5).** The Application for Travel Fellowship should be addressed to the General Secretary, ACBI and submitted to the ACBI Secretariat address [Dr. Rajiv R. Sinha, General Secretary, Biochem-Lab, Budha Colony Main Road, East Boring Canal Road, Patna – 800 001.] He/She should enclose proof of membership of ACBI, proof of Age, Proof of conference registration and certificate from the Head of the department of non-receipt of any other financial support. The award will be decided by a committee consisting of the Organising Secretary, President and General Secretary of ACBI. **The awardees will be given an award of Rupees Five Thousand each.** Preference will be given to those who has to travel from far of places. The awardees name will be announced during the valedictory function of the conference and the cheque will be presented.

The Travel Fellowship has been constituted by a donation of Rs. Twenty five Thousand by Dr. A. S. Kanagsabapathy, Organising Secretary, ACBI conference, Vellore; Rs. Twenty Five thousand by Dr. Vijay Singh Thakur, Organising Secretary of Workshop in Quality Control held at AIIMS, New Delhi, and Donation of Rs. Fifty Two Thousand by Mr. S. K. Manhar, Director, Priman Instruments Pvt. Ltd, New Delhi & from the ACBI Corpus Fund.



**Happiness is
an attitude.**

ORAL PRESENTATION OF AWARD PAPERS

The Organizing Secretary shall be inviting papers for the below mentioned Awards from **members of the Association including sessional members** through the final announcement of the conference and the papers should reach the Organizing Secretary of the conference by the date fixed for receiving papers for the conference. These papers shall be evaluated by Scientific Committee of the conference.

On the basis of evaluation done by members of the scientific committee, **the organizing secretary shall select 2 best papers of each award** and inform their authors to present them at a special session for award papers before 3 judges selected by the President from amongst senior delegates for this purpose. Each presentation shall not be of more than 8 minutes duration.

After presentation of each paper, 2 minutes shall be devoted on discussion by the judges and the audience. The best paper author of each Award as decided by the judges shall be given certificate and money at the valedictory function. **You can make yourself ready to submit your paper in time indicating the name of the award for which the paper is being submitted. Any member including Sessional Member, whose age on 31st December of the Year is below 35 years, is eligible to take part in the contest.**

(NOTE: If not already an ACBI member, then one has to take a Sessional Membership by applying to ACBI Head office. Membership Form to be downloaded from www.acbindia.org.in

[1] PITABUS-JAMUNA BURMA MEMORIAL AWARD

Dr. D. P. Burma, Professor of Biochemistry, Institute of Medical Sciences, Benaras Hindu University instituted this award in memory of his father and mother by donating a sum of Rs.5000/ in 1982. As per the resolution of the General Body passed in December 2011, Gwalior, this was further supplemented by a donation of Rs. 50,000 from the ACBI Corpus fund.

The applicants have to submit a write up (not more than 2000 words) on an original research work in medicine based on approaches in biochemistry or molecular biology, **published by any other author/authors, excluding himself and his group**, in any prestigious journal of the world in the preceding one year. **[It must not be your work]**. Application along with (1) 4 typed/photo copies of the write up, (2) 4 photocopies of the original paper, (3) documentary evidence of age and (4) proof of membership of ACBI should be submitted to the Organizing Secretary before the dead line.

The winner of the award shall be given a cash award and a certificate at the Valedictory function of the same conference.



[3] P. S. MURTHY - UCMS AWARD FOR BEST PAPER IN THE FIELD OF:

- (1) INFECTIOUS DISEASES,**
- (2) DEVELOPMENT OF DRUGS FROM PLANT SOURCES**
- (3) DIABETES and**
- (4) CARDIOVASCULAR DISEASES.**

These awards were created by a donation of Rs.10,000/ by Prof. P. S. Murthy in 1993. And subsequently as per the resolution of the General Body passed in December 2011, Gwalior, this was supplemented by a donation of Rs. 50,000 from the ACBI Corpus fund. This was further supplemented by a donation of Rs. 49,000 from the saving of the XX Annual conference held at Delhi. Papers for the award are invited under 4 categories, i.e. (1) **Infectious Diseases**, and (2) **Development of Drugs** (3) **Diabetes and** (4) **Cardiovascular Diseases. One best paper in each category is awarded with certificate and cash.** If no paper under one category is available or considered worth, then both awards shall go to two top papers of the other category. In case no paper in either category is considered worth, then similar papers in Poster Sessions should be considered for the award. The award shall be presented to winners during the Valedictory Function of the conference.

The applicant shall submit (1) 4 typed/ photo copies of the paper, (2) documentary evidence of age (3) no objection certificate from co-authors, if any and (4) evidence of membership of ACBI, to the Organizing Secretary before the dead line.

[4] MGIMS AWARD FOR BEST PAPER IN THE FIELD OF TROPICAL DISEASES

This award was created in the year 1994 by a donation of Rs.10,000/ by Dr. B. C. Harinath, the Organising Secretary of 20th. ACBI conference, Sevagram. As per the resolution of the General Body passed in December 2011, Gwalior, this was further supplemented by a donation of Rs. 50,000 from the ACBI Corpus fund.

The Award is open for original work in biochemical/ immunological/ molecular aspects of Tropical Diseases.

The applicant shall submit (1) 4 typed/ photo copies of the paper, (2) documentary evidence of age (3) no objection certificate from co-authors and (4) evidence of membership of ACBI, to the Organizing Secretary before the dead line.

In case no paper is considered worth, then similar papers in Poster Sessions should be considered for the award.

The award shall be presented to winners during the Valedictory Function of the conference.



POSTER AWARDS

A number of awards will be granted to the best posters presented at the conference. All young scientists aged 35 year or less (on 31st. December of that year) submitting a poster at the ACBI National conference will be considered for the Poster Award Competition. No applications are required to be submitted.

[1] NIMS AWARD FOR BEST POSTER.

The award was instituted in 1994 by a donation of Rs. 10,000/ by the Organizing Secretary of XIX Annual Conference of ACBI, Dr. T. Malati, Professor and Head of the Dept. of Biochemistry, Nizam's Institute of Medical Sciences (NIMS), Hyderabad. As per the resolution of the General Body passed in December 2011, Gwalior, this was further supplemented by a donation of Rs. 50,000 from the ACBI Corpus fund.

There are 2 awards - One award is for the best poster in the **field of Cancer** and another in **Non-Cancer** field. **There is no application required to win this award.** All posters shall be evaluated by a panel of judges drawn from the delegates, who have been selected by the President in consultation with the Organising secretary. The award shall be presented during the Valedictory function of the conference.

[2] Dr. P. Usha Sharma Best Poster Award in Genomic Proteonomic sciences – Clinical Application

The award was instituted in 2013 by a donation of Rs. 50,000/ by Dr. P. Usha Sharma, Retired Professor and Head of the Dept. of Biochemistry, Dr. B. R. Ambedkar Institute of Genomic Research, New Delhi. There will be one award to the Best poster in the field of Genomic Proteonomic Sciences – Clinical application during the ACBI Annual Conference.

[3] Dr. Jayshree Bhattacharya Best Poster Award in the field of Cardiac & Metabolic Diseases

The award was instituted in 2022 by a donation of Rs.1,00,000/ by Dr. Jayshree Bhattacharya, Professor, Dept. of Biochemistry, Lady Harding Medical College, New Delhi.

There are 2 awards. One award to the Best poster in the field of Cardiac diseases and another in the field of Metabolic Diseases during the ACBI Annual Conference.

[4] POSTER AWARDS FROM ORGANIZING COMMITTEE

Organizing Committee shall also announce 5 or more awards for excellent posters and the process of selection will be the same by the same judges of the NIMS Award.

There is no application required to win this award.

Thus Poster awards fall in following categories:-

- (1) Cancer – 1
- (2) Non-cancer – 1
- (3) Genomic Proteonomic Sciences – Clinical Application
- (4) In case no award is given for Oral presentation of
 - (a) P. S. Murthy Award for (i) Infectious diseases
 - (ii) Development of drugs from plant sources,

And (b) MGIMS Award for papers on Tropical diseases. Posters on these topics will by considered for those awards

- 5) Organizing committee award for visually excellent Posters.



Application for ACBI Best Paper Award

Dr. Seema Bhargava,

Organizing Secretary,

Chairperson and Senior Consultant,

Department of Biochemistry & Professor, GRIPMER,

Sir Ganga Ram Hospital, New Delhi, India

Phone no. 91-9818084844

Email: seemabhargava6@gmail.com

Sir,

I am submitting a paper entitled

.....

by..... et al, for the best paper award during the conference. I am aware of the terms and conditions of competing for the award and abide by the rules.

Preference for the award to be considered is indicated as below (only one choice):- Pitabus Jamuna Burma Award / Sita Devi Award / P. S. Murthy Award / MGIMS Award **(tick the preference)**

Enclosures:

1. Full text of the paper, along with abstract in a format as required for IJCB
2. Documentary evidence of age
3. No objection certificate from co-authors, if any
4. ACBI membership number
5. Photocopy of documentary evidence of membership.

Kindly acknowledge the receipt of the same and inform me the date of presentation, if considered for presentation.

Name

Address.....

.....

Contact Numbers:.....

E-mail id

Date

Name & Signature



Fellowship of the Association of Clinical Biochemists of India (FACBI)

Nominations for award of FACBI to suitable ACBI members are invited from Fellows and senior members of the Association so as to reach the General Secretary Dr. Rajiv R. Sinha, Bochum-Lab, Budha Colony Main Road, East Boring Canal Road, Budha Colony Main Road, Patna – 800 001. Email: kpsacbi@yahoo.co.in) by **31st. July 2022**

Association of Clinical Biochemists of India awards Fellowship to distinguished members of the Association on the basis of their achievement.

Eligibility for the nominee:

Nominee should be a Life member of ACBI of at least 10 years standing. He/She should have at least 15 years of teaching / research / analytical experience in the areas of clinical biochemistry or has done distinguished services to ACBI.

Nomination letter duly signed by proposer along with 4 copies of (a) Biodata of nominee in the prescribed format (to **be down loaded from ACBI website: ACBI Constitution- Annexure**), (b) list of publications by the nominee in IJCB or other indexed journals with **4 copies of reprints of 6 papers of which 3 are recent ones**, (c) proof of various statements made in Biodata.



Format for Nomination of Fellow of ACBI

To
The Secretary
Association of Clinical Biochemists of India
Dr. Rajiv R. Sinha
Biochem-Lab
East Boring Canal Road,
Budha Colony Main Road,
Patna – 800 001

Sir,

I,have the pleasure of nominating
Dr. (name, address & ACBI membership number).

I also enclose (a) Biodata of nominee and (b) list of publications with reprints of 6 papers.

Name:

Address:.....

.....

.....

Contact Nos.....

Date:

Place:

Signature of the proposer:

Congratulations

Winners of ACBI Awards, 2021

ACBI ORATION AWARDS, 2021

AWADHESH SARAN MEMORIAL ORATION

Prof Saumitra Das, Director, National Institute of Biomedical Genomics, Kalyani

"Hepatitis C Virus: Life in the liver"

SETH G. S. MEDICAL COLLEGE & KEM HOSPITAL ORATION

Dr. Barnali Das, Consultant, Kokilaben Dhirubhai Ambani Hospital, Mumbai

"Clinical Chemistry & Immunoassay Test Results: Harmonization and Standardization of Discordant Notes"

DR T. N. PATTABIRAMAN ORATION AWARD

Dr. Shyamali Pal, Laboratory Director, JMD Diagnostics Pvt Ltd, Kolkata

"Proficiency Testing - Purpose and Perspective"

K. L. GUPTA MEMORIAL ORATION

Padma Shri Prof Mammen Chandy, Director, Tata Medical Center, Kolkata

"Recent advances in cancer diagnosis and precision medicine"

MRS. & DR G. P. TALWAR ORATION AWARD

Prof. Partha P. Majumder, National Science Chair, Govt. of India & Distinguished Professor, National Institute of Biomedical Genomics, Kalyani

"Genomics of Immune-Response to Typhoid and Cholera Vaccines"

TARANATH MEMORIAL POPULAR LECTURE ORATION AWARD

Prof. Dr. Suhrita Pal, Hon'ble Vice Chancellor, West Bengal University of Health Sciences,

"Personalized medicine: An overview".

OTHER AWARDS

DR SITA DEVI AWARD

Salini Das, *Department of Environmental Carcinogenesis & Toxicology, Chittaranjan National Cancer Institute, Kolkata*

"Targeting AURKA signalling by Aspirin: Novel Strategy to Prevent Fuelling of Radioresistance in Cervical Cancer".

NIMS BEST POSTER AWARD:

CANCER : **Thammineni Krishna Latha**, Environmental and Molecular Biology Laboratory, Department of Biochemistry, University College of Medical Sciences (Delhi University) and GTB Hospital, Delhi.

"Possible Role of Organochlorine Pesticides (OCPS) Exposure as Etiological Factor in Breast Cancer"

NON-CANCER : **Dr. K. A. ARUL SENGHOR** (Department of Biochemistry, Department of Obstetrics, & Gynaecology, SRM Medical College Hospital & RC, SRM IST, Kattankulathur, Chengalpattu, TN)

"Effect of Brisk Walking On Adiponectin Levels in Women with Polycystic Ovarian Syndrome"

P. S. MURTHY AWARD FOR BEST POSTER:

(1) DRUG DEVELOPMENT FROM PLANT SOURCES -

Uttam Das, (College of Medicine and JNM Hospital, Kalyani, WB)

“In vivo Radioprotective activity of Trianthema portulacastrum”

(2) INFECTIOUS DISEASES – Charu Yadav (Department of Laboratory Medicine & Infection Control, Medanta-the Medicity, Gurugram, Haryana)

“Dynamics of anti SARS Cov2 IgG antibody response in health care workers: a prospective cohort study from India”

(3) CARDIO VASCULAR DISEASES - Shyamashree

Banerjee (Research Laboratories, PD Hinduja Hospital, Mumbai)

” Association between the Extents of Methylation in Subjects with Coronary Artery Disease (CAD) By Pyrosequencing.”

(4) DIABETES - Jayashree K (Department of Biochemistry, JIPMER, Puducherry, India)

” Circulatory TXNIP and Its Association with Disease Severity and Surrogate Markers of Insulin Resistance in Diabetic Nephropathy”

MGIMS (Sewagram) Award

Ashish Kumar Yadav (Department of Biochemistry, AIIMS, Bhopal, Madhya Pradesh)

“Molecular characterization and identification of dengue virus in febrile patients referring at AIIMS Bhopal hospital in central India.”

Dr. P. Usha Sarma Best Poster Award in Genomic Proteonomic sciences – Clinical Application

Roji Begam (Department of Biochemistry, AIIMS, Bhopal, Madhya Pradesh)

“Comparative Analysis of Chemotherapeutic Drug Using Temozolomide, Carmustine and Bevacizumab for Reverse Regulation of Oncogenic miRNA in Glioblastoma Treatment.”

AFMC Quiz

First Prize –Dr. Shyamkrishnan R-(AIIMS, Bhubaneswar)

Second prize – Sarika Baku- (Medical College Baroda &SSG Hospital, Vadodara, Gujarat)

ACBI YOUNG SCIENTISTS BURSARY AWARD

No Award

ACBI TRAVEL AWARD:

No Award



Branch Reports

ACBI DELHI STATE BRANCH

The Department of Biochemistry, Sir Ganga Ram Hospital (SGRH), under the aegis of Delhi Chapter of the Association of Clinical Biochemists of India (ACBI), conducted the 10th Annual CME titled “Therapeutic Drug Monitoring – The Right Test At The Right Time ” on 16th of November, 2021 through virtual mode. The delegates included academicians and clinicians of our hospital as well as other reputed hospitals from all over the country and abroad. A significant recurring feature of this CME has been Prof L M Srivastava Gold Medal (which was instituted to encourage academic activities amongst young scientists) and a few more prizes. The CME started with the warm welcome and motivational address to all the young scientists by Prof. L M Srivastava, Consultant Advisor, Department of Lab Medicine, Kolmet Hospital and President ACBI.

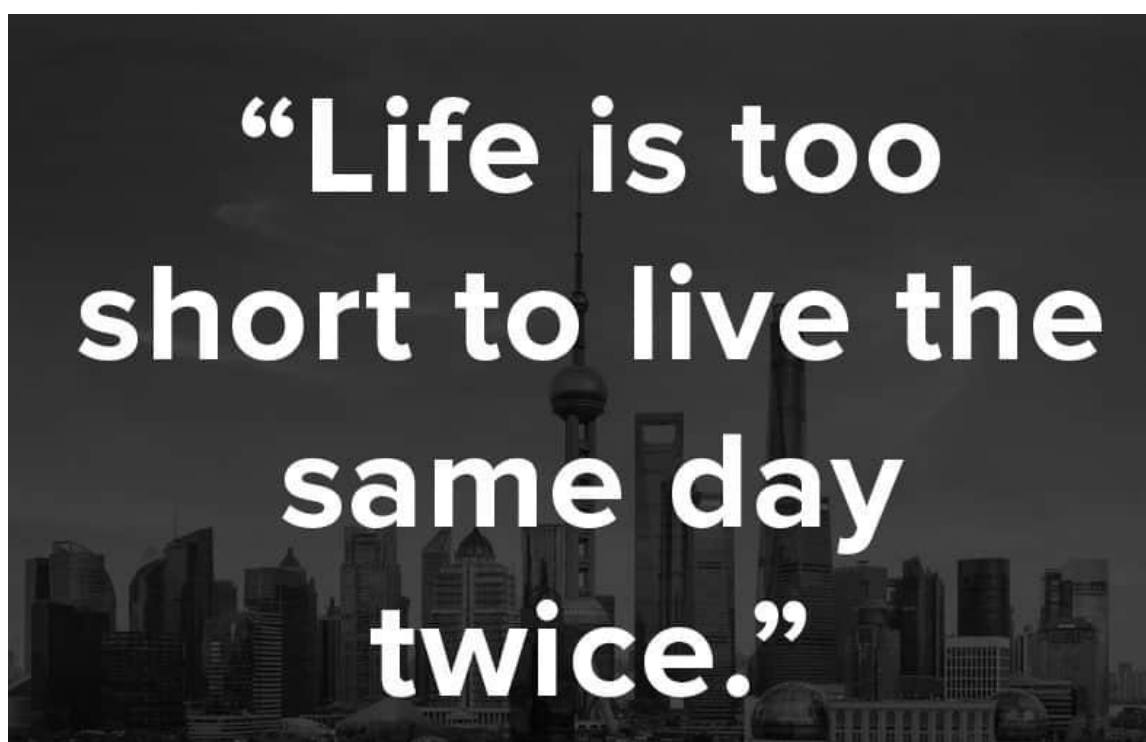
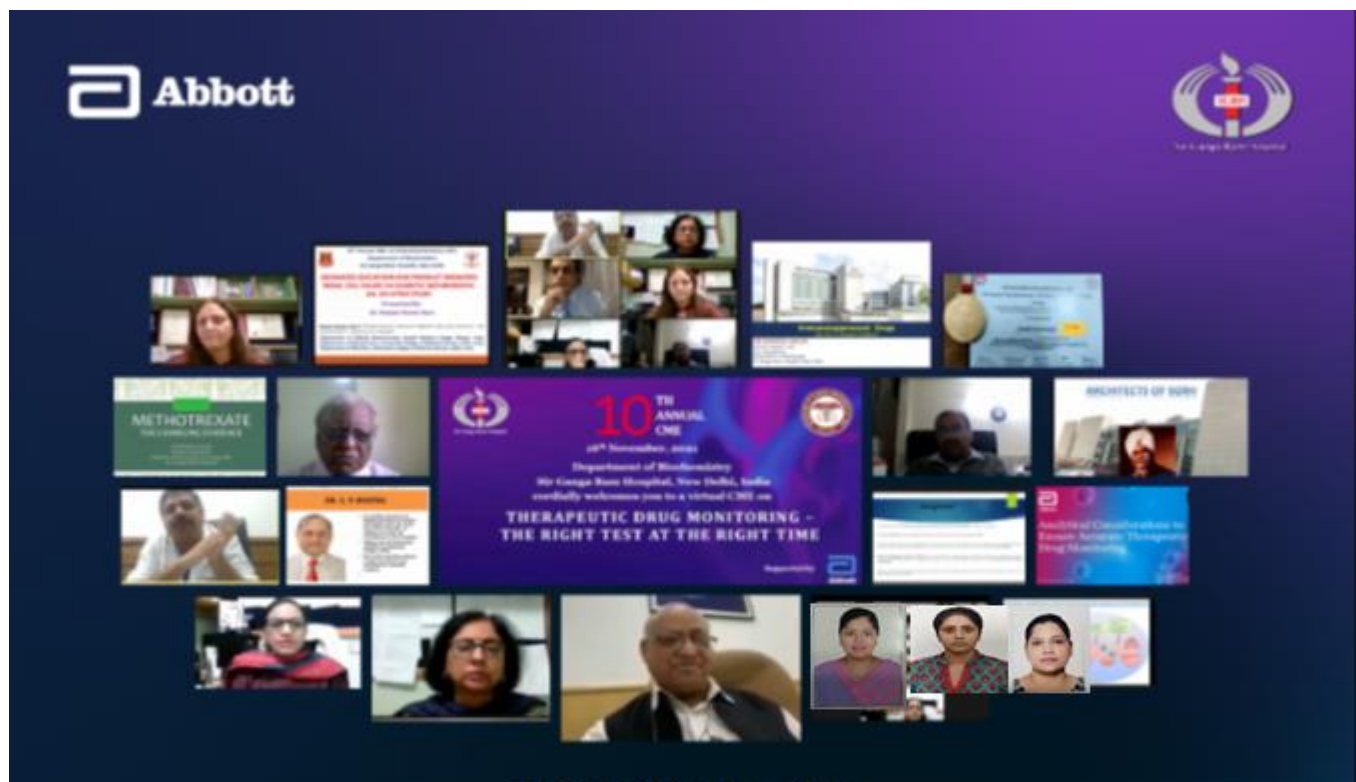
The YOUNG SCIENTISTS’ PRESENTATIONS was moderated by Dr. Parul Singla, Consultant, Dr. Anisha Sharma and Dr. Manushri Sharma, Associate Consultants, Dept. of Biochemistry, SGRH. A total of 17 candidates from different medical colleges and research institutes across the country were selected to present their research. This session was judged by Prof Arif Ali, (formerly head, Dept. of Biosciences Jamia Milia Islamia, New Delhi), Dr. Nibhriti Das (Retd Prof and Head, Dept. of Biochemistry, AIIMS), Dr. Anju Jain (Director Prof, Dept. of Biochemistry, LHMC), and Dr. Farzana Mahdi (Vice Chancellor Era University, Lucknow).

Dr. Mamta Kankra, Sr. Consultant, Dept. of Biochemistry, SGRH and Delhi Representative, ACBI, moderated the inaugural session.

Dr. Seema Bhargava, Chairperson & Senior Consultant, Dept. of Biochemistry, SGRH and Vice President, ACBI, addressed the gathering with a warm welcome note and an obituary to the late Dr. K.K.Srivastava (President, ACBI-DC). This was followed by encouraging words of Dr. S.K. Bansal (acting President, ACBI-DC).

Dr. Mamta Kankra then invited Dr. S P Byotra, Vice Chairman, Board of Management, Director Laboratories & Chairperson, Dept. of Medicine, SGRH to give the inaugural address. Dr. Byotra addressed the gathering by highlighting the role of labs in patient care. He gave a detailed overview of SGRH and appreciated the high quality work being done in the Department of Biochemistry. He also released the Annual Newsletter of the department which included clinical write-ups, the new tests introduced and departmental highlights. Dr. Seema Bhargava, introduced the keynote speaker, Dr. Randal Schneider, Associate Professor, Department of Pathology Medical College of Wisconsin, Milwaukee, USA and Member, International Association of TDM and Clinical & Forensic Toxicology. He elaborated on “Analytical considerations to ensure accurate therapeutic drug monitoring” Dr. Anjali Manocha, Senior Consultant and Vice Chairperson, Department of Biochemistry invited Dr. Manas Kalra, Consultant, Department of Paediatric Hematology, Oncology and BMT, Sir Ganga Ram Hospital to give a talk on “Methotrexate – The Changing Evidence”. The scientific feast ended with a talk by Dr. Manish Malik, Sr. Consultant, Nephrology, SGRH on “Immunosuppressant Drugs- Life line of Transplant recipients”.

Thereafter a panel discussion with all the three speakers was moderated by Dr. Anjali Manocha. Last but not the least, the winners of young Scientists' presentations were announced by Dr. Seema Bhargava and awarded by Dr. Byotra and Prof L M Srivastava. The CME was concluded with a vote of thanks given by Dr. Mamta Kankra.



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INVITATION TO MEMBERS FOR CASE HISTORIES

Members are invited to send Case History with Biochemical Investigations of Interesting cases or cases with unusual presentations. Your experience will help others. Please share it with us on ACBI News Bulletin. Send your write up to Dr. Shyamali Pal at: shy23_pal@yahoo.co.in



ACBI BENEVOLENT FUND

AN APPEAL

The Executive Council and GB were concerned to know the fact that one of our very senior members is suffering due to lack of money for his treatment and upkeep. For such situation many organizations have created 'Benevolent' fund to assist their members in dire need. We should also have compassion when any of our members are in need of help. Therefore the G.B. has decided to create a Fund to help our needy members and has sanctioned Rs. 50,000 from ACBI account for this fund. The IJCB Board has also decided to contribute Rs. 25,000. Many members have agreed to send money for the fund. Dr. B.C. Harinath has contributed Rs. 17000 which includes the money he got as recipient of ACBI-A.J. Thakur award for Distinguished Clinical Biochemist. Some have sent Rs. 1000 / 2000 /3000 as their contribution. I solicit your support and request you to send money for this noble work as much as you like. The money be sent to the Treasurer, Association of Clinical Biochemists of India, Biochem-Lab, East Boring Canal Road, Patna - 800001 by bank draft in the name of "ACBI Benevolent Fund" payable at Patna. It is proposed to publish the names of members who contribute to this fund in News Bulletin.

Dr. L. M. Srivastava
President

LIST OF DONORS TO ACBI-BENEVOLENT FUND

As on 15. 3. 2021

1 Association of Clinical Biochemists of India	50,000
2 Dr. B. C. Harinath, Prof. & Director, JBTDRC Centre, Wardha	16,000
3 Dr. S. P. Dandekar, Prof. & Head, Department of Biochemistry, Seth G. S. Medical College, Mumbai	1,000
4 Dr. Sujata W., Biochemistry Dept., PGI, Chandigarh	1,000
5 Dr. K. P. Sinha, Retd. Professor of Biochemistry, Patna Medical College, & Advisor	1,000
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22 Dr. Praveen Sharma, Jodhpur	30,000
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24 Dr. Subir Kumar Das – Kalyani	10,000
25 Dr. K. K. Srivastava – Delhi	15,000
26 Dr. Shaymali Pal – Kolkata	10,000

Members Identity Card

Photo Identity card of ACBI will be mandatory for members to attend the Annual Conferences, all meetings and also for exercising their voting rights. The Identity card will be provided on payment of **Rs.100/-** . Payment to be made by Demand Draft to “Association of Clinical Biochemists of India” payable at “PATNA”.

Identity card form is available after the ACBI Membership form.

Members are requested to fill-up the form and post it to :

Dr. Rajiv R Sinha

General Secretary,

Association of Clinical Biochemists of India

Biochem-Lab

East Boring Canal Road

Patna – 800 001

Bihar



IMPORTANT NOTICE

CORRECTIONS IN MEMBERS DIRECTORY

All members are requested to view ACBI website (www.acbindia.org.in) to check their name and address in Directory of members. If your name does not appear in the Directory, or there is error or discrepancy, please download the Correction Form from the website (/download forms) and send it by email to Dr. Rajiv Ranjan Sinha, Secretary, ACBI, at kpsacbi@yahoo.co.in



MEMBERSHIP OF THE ASSOCIATION OF CLINICAL BIOCHEMISTS OF INDIA

ADMISSIBILITY RULES

ELIGIBILITY CRITERIA: Membership of the Association is open to teachers & research scientists in the discipline of Biochemistry, Clinical Biochemistry, Immunology, Pathology, Endocrinology, Nutrition, Medicine and other allied subjects in a medical institution and also to persons holding M.B.B.S., M.Sc. (Biochemistry or Clinical Biochemistry) and are engaged in research or practice of clinical Biochemistry in hospital or in private laboratory.

ASSOCIATE MEMBERSHIP: Those graduates who do not fit in the above criteria, but have an interest in Clinical Biochemistry are eligible to become Associate Members.

CORPORATE MEMBERSHIP: A company dealing in biochemical and instruments for biochemistry laboratories can become corporate members.

SESSIONAL MEMBERSHIP: Those persons who are not members but want to attend ACBI National Conference and attend and/or present papers have to become Sessional Member. This membership will be valid for that conference only. If he/she fulfils all eligibility criteria for membership and again pays the next year Annual membership fees, they will be admitted as Annual Member of ACBI.

MEMBERSHIP FEE: (a) **Annual Member** – Rs. 600/- annually, (b) **Life Member** – Rs.5130/- (Rs.5000/- once + Rs.30/- for L.M. Certificate posting + 100/- I Card (or Rs. 1800/- annually for 3 consecutive years.) (c) For persons residing in other countries – US \$200/- (d) **ASSOCIATE LIFE MEMBERS** - Rs.5130/- (Rs.5000/- once + Rs.30/- for L.M. Certificate posting + 100/- I Card, (e) **Corporate Member:** Rs. 25,000/- onetime payment. (f) **Sessional Member** – Rs. 600/- (g) **IFCC subscription** (optional) -Rs. 1500/- once.

The Membership Application form can be downloaded from www.acbindia.org.in

Prescribed fee should be paid by **BANK DRAFT** only payable to “**ASSOCIATION OF CLINICAL BIOCHEMISTS OF INDIA**” at **PATNA**. [Our bank – State bank of India, Patna Main Branch, West Gandhi maidan, Patna, Bihar] **NO CHEQUE PLEASE**. The completed application (along with enclosures) & draft should be sent to **Dr. Rajiv R. Sinha, General Secretary, ACBI, Biochem-Lab, East Boring Canal Road, Patna – 800 001**, preferably by registered post

PHOTOGRAPH: Please affix a passport-size photo on the form and on the ID card form.





ASSOCIATION OF CLINICAL BIOCHEMISTS OF INDIA

MEMBERSHIP APPLICATION FORM
(Please write in Capital or Type)

Please Affix
Stamp-size
Photograph
here

1. Category of Membership Applied (tick the choice): **Life/Associate Life/Annual**

2. Name **Dr./Mr./Mrs./Ms.** : _____

Family Name

First name

3. Sex: 4. Date of Birth: 5. Nationality:

6. Academic Qualifications with Year: (**attach Photocopies**)

7. Designation:

8. OFFICIAL ADDRESS:

1. Department:

2. Institution:

3. Address:

3. City: 4. Pin Code

5. State:

6. Telephone (with area code):

7. Fax (with area code):

8. E-mail (**CAPITAL**): 9. Mobile:

9. RESIDENTIAL ADDRESS:

1. Address:

2. City: 3. Pin Code:

4. State:

5. Telephone (with area code):

6. Fax (with area code):

7. E-mail (**CAPITAL**): 8. Mobile:

10. Address for Communication: Official **OR** Residential (**please tick the choice**)

11. Professional Experience (briefly) on separate page: Teaching/Research/Diagnostic.....Years
12. Field of expertise/ Areas of Interest: (1)(2)
13. Publications, if any: **Attach a list giving details of publications.**
14. Membership of other professional bodies, if any:
15. Any other relevant information (brief): **(on separate page)**
16. D.D. No. _____ Date:.....Bank: _____ Branch: _____
 Amount: **Rs.** _____

(Enclose the crossed D.D. for an appropriate amount drawn in favour of **“Association of Clinical Biochemists of India”** payable at **Patna**)

Undertaking by the Applicant

I have gone through the bylaws of the Association of Clinical Biochemists of India. If admitted as a member, I shall abide by the rules and regulations of the association.

.....
Signature of the Applicant **Date** **Place**

Recommendation by a member of ACBI (This is essential)

I have verified the information given in this application that are true to the best of my knowledge. He/She fulfils eligibility requirement for becoming a member of ACBI. I recommend that
 be accorded the membership of the ACBI.

.....
 Name & Signature of the Member. Date:

ACBI Membership No.: Place:

(Disclaimer)

I have no objection / I object* if my address and full details are put on the ACBI website at www.acbindia.org.in.

Signature of Applicant **Date**.....

* strike out whichever is not applicable



PROFORMA

Members Identity Card

Please type or write in CAPITAL Letters.

Please affix Stamp size

Photograph.

(Do not staple or pin)

1. Name:

2. Qualification:

3. Membership Type: **LIFE / ASSOCIATE LIFE / CORPORATE / HONORARY**

(will be filled up at Head office)

4. ACBI Membership Number:

(will be filled up at Head office).

5. Work Place (City):

6. State:

7. Date of joining ACBI..... (will be filled up at Head Office)

Filled up form to be posted along with the Membership application form.

SESSIONAL MEMBERS NOT TO FILL UP THE ID CARD FORM



**DON'T FORGET TO
REGISTER!!**

ACBICON 2022

NEW DELHI

**23 – 26th NOVEMBER
2022**