

Two-Day Conference
Defining Ethics and Welfare in
Preclinical Research
&
Workshop on
Preparing B-Forms and the
Conduct of IAEC

DEW-2022

14th & 15th November, 2022

Venue

Achutha Menon Center Auditorium
SCTIMST, Thiruvananthapuram, Kerala

Jointly Organized by

**Kerala State Council for
Science, Technology and Environment
Trivandrum**



**Sree Chitra Tirunal Institute for
Medical Sciences & Technology
Trivandrum**



About the Conference

The seminar will clearly define different ethical and welfare viewpoints involved in animal experimentation. It will showcase experts to speak on areas of animal experimentation in relation to stem cell research, alternatives to animal experimentation, animal models in drug development and regulatory issues, key statistical principles to decide upon the sample size and perform power calculations, and large animals to provide data on safety and efficacy of medical devices, surgical animal models and their welfare, etc and there will be group work on filling of B-Forms and scrutiny of a B-Form by an IAEC expert. Leading Faculty from Pan-India will lead the scientific sessions on topics enlisted.

Scientific Session Topics

- 1 Physical Plant Requirements and Standards for Animal Models in Virology Research
- 2 Alternatives to Animal Experimentation
- 3 Animal Models in Cancer Research – Ethical Aspects
- 4 Animal Models in Drug Development and Regulatory Aspects
- 5 Statistical Methods in Animal Experimentation
- 6 Reporting of Animal Experimentation Data
- 7 Large Animal Evaluation for Safety and Efficacy of Medical Devices
- 8 Surgical Animal Models and Their Welfare
- 9 Ethics and Welfare Viewpoints in Animal Experimentation
- 10 Ethical Issues in Stem Cell Research

The Hands-on Workshop and Group Discussions

- 1 Training session and discussions on “How to fill up a B Form with minimal errors to obtain an IAEC approval?”
- 2 Conducting an IAEC meeting - Highlights on B Form Reviews - Mock IAEC and discussions thereafter.

About SCTIMST

Sree Chitra Tirunal Institute for Medical Sciences & Technology (SCTIMST), Trivandrum, an institute of National Importance under the Department of Science & Technology, Government of India, played pioneering role in the development of medical devices industry in India. SCTIMST has developed and successfully commercialized a number of biomedical devices and implants, namely, Heart Valve, Blood Bag, Oxygenator, Vascular Graft, Hydrocephalus Shunt, Haemoconcentrator, Dental Composites, Bioactive Composites for Orthopedics and Emily IUS.

During the outbreak of COVID 19 pandemic, SCTIMST developed and commercialized many technologies such as Multiplex RT-PCR kit for SARS CoV2, Universal Transport Medium Kit (UTM kit), Oropharyngeal and Nasopharyngeal swabs and Chitra Acrylosorb Respiratory Secretion Solidification System.

The Biomedical Technology (BMT) Wing of SCTIMST has been engaged in the research and development of medical devices & biomaterials and has built up extensive expertise and facilities for the evaluation of medical devices. Many of its laboratories are accredited by COFRAC, France under ISO/IEC 17025 for the testing of medical devices and materials. BMT Wing of SCTIMST has been travelling through this arena for over four decades and it recognizes that the expertise and experience gained over these years need to be shared with the medical device industry, the researchers and students.

Accommodation

The organizing committee plans to book a few economic and decent hotels having reputation within the city limits to assist the delegates. This can also aid to encourage a better interaction among the delegates and makes the transportation to the venue easier. However, the accommodation can also be booked directly by the participants. The bookings made by the organizers will be based upon availability on a first come first serve basis and the payment shall be in addition to the registration fees, directly payable at the hotel. The tariff etc shall be intimated as soon as the registration is being made by the delegates.

Poster Presentations

Abstracts not exceeding 300 words shall be sent to the conference email id dew2022sct@gmail.com. Presenting authors name shall be specified and details of remittance of conference fee mentioned when the registration form is filled. The details of size of posters, timings of presentation and judgment etc will be announced in due course via email. Faculty and students are encouraged to submit their abstracts before 15th of October 2022.

Best Poster Prize

The best three posters suiting the theme of the conference will be awarded with certificates, during the concluding session. The jury comprising of three faculty from different institutions shall scrutinize the posters and the declaration shall be final and the jury and organizing committee reserves the full rights to decide the awardees.



Program

14-11-2022

Day 1

9:00 am - 10:00 am - Inaugural Function: **Inauguration of the Upgraded Small Laboratory Animal Facility and Lighting the Lamp**

Dr. O.P. Chaudhary, *Joint Secretary (Animal Welfare) and Chairman CPCSEA*

Prof. (Dr.) Sanjay Behari, *Director SCTIMST*

Dr. Harikrishna Varma, *Head BMT Wing, SCTIMST*

Er. C.V. Muraleedharan, *Associate Head BMT Wing, SCTIMST*

Dr. P.V. Mohanan, *HOD, Dept. of Applied Biology, SCTIMST*

Dr. T.V. Anilkumar, *Scientist G, Chairman LAEC, SCTIMST*

Inaugural Remarks on the Conference, Welcome speech and Vote of thanks



10:00 am - 10:20 am **Tea Break**



Session I - 10:30 am to 12:30 pm

Session Chairs: **Er. C.V. Muraleedharan**, *Associate Head, BMT Wing, SCTIMST, Trivandrum & Dr. P. Nagarajan*, *Scientist, National Institute of Immunology, New Delhi*

10:30 am to 11:00 am: **Dr. E. Sreekumar**, *Director, Institute of Advanced Virology, Trivandrum*
Physical Plant Requirements and Standards for Animal Models in Virology Research

11:00 am to 11:30 am: **Dr. S.G. Ramachandra**, *Director, NARFBR, Hyderabad*
Occupational Health and Safety in Laboratory Animal Facilities

11:30 am to 12:00 noon: **Dr. P.R. Umashankar**, *SCTIMST, Trivandrum*
Large animal evaluation for Safety and Efficacy of Medical Devices

12:00 pm to 12:30 pm: **Dr. Sankara Sharma**, *SCTIMST, Trivandrum*
Sample Size Calculation in Animal Experimentation



12:30 pm - 1:30 pm **Lunch Break**



Session II - 1:30 pm to 3:30 pm

Session Chairs: **Dr. Pradeep Kumar Yadav**, *AIIMS, New Delhi & Dr. Kamalesh Gulia*, *SCTIMST, Trivandrum*

1:30 pm to 2:00 pm: **Dr. T.V. Anilkumar**, *SCTIMST, Trivandrum*
Reporting of Animal Experimentation Data

2:00 pm to 2:30 pm: **Dr. P.V. Mohanan**, *SCTIMST, Trivandrum*
Animal Models in Drug Development and Regulatory Aspects

2:30 pm - 3:00 pm: **Dr. P. Sreejith**, *Assistant Professor, University of Kerala, Trivandrum*
Alternatives to Animal Experimentation

3:00 pm - 3:30 pm: **Dr. Sachin J. Shenoy**, *SCTIMST, Trivandrum*
Surgical Animal Models and their Welfare



3:30 pm - 4:00 pm **Tea Break**



Session III - 4:00 pm to 4:30 pm

Session Chairs: **Dr. Neeraj Khatri**, *Senior Principal Scientist, CSIR - Institute of Microbial Technology & Dr. C. Guruvayoorappan*, *Regional Cancer Centre, Trivandrum*

4:00 pm - 4:30 pm: **Dr. Kripali Pande**, *Senior Consultant, CPCSEA, New Delhi*
Rules and Regulations Featuring and Emphasising the Latest Additions and Updates CPCSEA has made Periodically in the Form of Orders



Session IV - 4:30 pm to 6:00 pm

Session Chairs: Dr. SSYH Qadri, *Scientist F, National Institute of Nutrition, Hyderabad &*

Dr. Vikas Galav, *Assistant Professor, PGIVER, RAJUVAS, Jaipur*

- ✦ Training session and discussions on "How to fill up a B Form ensuring implementation of welfare to obtain an IAEC approval?"
 - ✦ Conducting an IAEC meeting- Highlights on B Form Reviews- Mock IAEC and discussions thereafter
- Question and Answer session



6:30 pm: Dinner

15-11-2022

Day 2:



Session V - 9:00 am to 10:00 am

Session Chairs: Er. D.S. Nagesh, *SCTIMST, Trivandrum &*

Dr. K.B. Patel, *ILBS, New Delhi*

9:00 am to 9:30 am: Dr. V.S. Harikrishnan, *SCTIMST, Trivandrum*

Ethics and Welfare Viewpoints in Animal Experimentation

9:30 am - 10:00 am: Dr. SSYH Qadri, *NIN, Hyderabad*

Roles and Responsibilities of Laboratory Animal Veterinarian in Ensuring Welfare



10:00 am - 10:20 am Tea Break



Session VI - 10:30 am to 12:30 pm

Session Chairs: Dr. Maya Nandakumar, *SCTIMST, Trivandrum &*

Dr. Ramesh Srinivasan, *TANUVAS, Chennai*

10:30 am - 11:00 am: Dr. Neethu Mohan, *SCTIMST, Trivandrum*

Ethical issues in Stem cell research

11:00 am - 11:30 am: Dr. A. Sabareeshwaran, *SCTIMST, Trivandrum*

Background lesions in the experimental animal

11:30 am - 12:00 noon: Dr. Pradeep Chaudhary, *ACTREC, Mumbai*

3R's in pre-clinical imaging

12:00 noon - 12:30 pm: Dr. P. Nagarajan, *National Institute of Immunology, New Delhi*

The welfare of Cancer Models and Genetically modified rodents



12:30 pm to 1:30 pm Lunch Break



Session VII - 1:30 pm to 3:30 pm

Session Chairs: Dr. P.R. Umashankar, *SCTIMST, Trivandrum &*

Dr. Pradip Chaudhary, *ACTREC, Mumbai*

1:30 pm - 2:00 pm: Dr. Ramesh Srinivasan, *TANUVAS, Chennai*

Teaching Laboratory Animal Science in India- Status and its impact on Welfare

2:00 pm - 2:30 pm: Dr. Satish Patel, *Zydus Research Centre, Ahmedabad*

Ethics and Welfare of non-rodents used in animal Experimentation

2:30 pm - 3:00 pm: Dr. P.S. Sreejith, *Research Scientist, M.R.U., Medical College, Trivandrum*

Welfare and Statutory requirements in Zebra Fish housing and Experimentation

3:00 pm - 3:30 pm: Dr. S. Anoop, *Palamur Biosciences, Secunderabad*

Welfare of animal models used in non-rodent toxicology and efficacy studies



3.30 pm - 4:00 pm Tea Break

Valedictory Function

Dr. O.P. Chaudhary, *Joint Secretary (Animal Welfare) and Chairman CPCSEA, Director SCTIMST,*

Head BMT Wing, SCTIMST, HOD Dept. of Applied Biology, SCTIMST

Organizing Committee

Patron: Prof. (Dr.) Sanjay Behari, *Director, SCTIMST, Thiruvananthapuram, India*

Chairman: Dr. Harikrishna Varma, *Head, BMT Wing, SCTIMST, Thiruvananthapuram, India*

Co Chairs:

Er. C.V. Muraleedharan *Associate Head, BMT Wing, SCTIMST, Thiruvananthapuram, India*

Dr. P.V. Mohanan, *HOD, DAB, SCTIMST, Thiruvananthapuram, India*

Organizing Secretaries:

Dr. Sachin J. Shenoy, *SCTIMST, Thiruvananthapuram, India*

Dr. V.S. Harikrishnan, *SCTIMST, Thiruvananthapuram, India*



Registration Fee

Students: Rs. 1770/- Faculty / Employed personnel: Rs. 2950/- (Rates are inclusive of 18% GST)

Online payment to **Director, SCTIMST**, Account Number **57001190688**, State Bank of India, Poojappura Branch, **IFSC Code: SBIN0070032**. Please register via the link provided below. Registration ID will be mailed to the delegates.

REGISTER NOW

<https://forms.gle/PyZ6u7JZ5MBkNf3cA>

Important Dates

Conference Dates: **14-15 November 2022**

Abstract Submission Deadline: **15 October 2022**

Early Registration Deadline: **30 October 2022**

Contact

Organising Secretary, DEW 2022
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Biomedical Technology Wing
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