

STERMI-SBAOI

Trans MedTech 24



BIOMATERIALS ♦
REGENERATIVE MEDICINE ♦
BIOMEDICAL DEVICES ♦ DIAGNOSTICS ♦
TISSUE ENGINEERING ♦ DEVICE REGULATORY ♦

International Conference on

ADVANCES AND CHALLENGES IN MEDICAL TECHNOLOGY TRANSLATION

12-14 December 2024
Thiruvananthapuram, India

Incorporating a **Pre-conference Workshop on
Medical Device Development** on 11 December 2024

Jointly organized by

Society for Tissue Engineering and Regenerative Medicine (India)
Society for Biomaterials and Artificial Organs (India)
Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum



www.deepmedtech24.com



The **International Conference on Advances and Challenges in Medical Technology Translation-(TransMedTech-2024)** will be held in Thiruvananthapuram, Kerala, India during **December 12-14, 2024**. This is organized along with the 16th National Conference of the Society for Tissue Engineering and Regenerative Medicine (India) and 34th National Conference of Society for Biomaterials and Artificial Organs (India) and hosted by Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thiruvananthapuram India.

On behalf of the Organizing Committee, it is our great honor to invite all those who are working in the field of Biomaterials, Artificial Organs, Medical Devices and Implants, Tissue Engineering, Drug Delivery and Regenerative Medicine to showcase your forefront research work. Also, we warmly welcome the participation of researchers in medicine and dentistry, industry start-ups, medical device manufacturers and organizations in MedTech field.

Background

Biomedical Technology has been in the center-stage of modern research and development pursuits because it is directly related to healthcare and improvement of quality of life. The multidisciplinary approach combining medical specialties, engineering disciplines, biosciences and physical sciences, makes the area unique. Translational research in medical devices and diagnostics over the past three decades or so has brought out various products, services and procedures that helped patients to lead a longer and healthier life. The medical devices market in India is estimated over INR 90,000 Crores worth. The government is pledged to promote the biomedical industry with generous incentives. Four major clusters are operative now in India.

SBAOI, for the past 37 years, has been functioning as a forum for promoting biomedical science and technology in India. STERMI has also taken a cardinal role in promoting tissue engineering research and linking it with regenerative medicine. We witnessed spectacular innovations and breaking research in this area in various centers in India. Several proof-of-concept works have been followed up for translation. Numerous device ideas are in the pipeline. In this Conference, the organizers focus on the need of the Country in the present time – to make India self-reliant in biomedical devices by empowering domestic entrepreneurs with knowledge and techniques to take the challenge.

Theme

Various research groups working on Biomaterials, Tissue Engineering, Regenerative Medicine and Diagnostics are ambitiously looking forward to finding their inventions in clinical use. The levels of innovative steps, scientific knowledge and technical expertise needed for realizing a biomedical product are quite elaborate and intensive, which demands an inclusive approach to technology translation. The entrepreneur may require handholding from the institutions and involvement of the research team till the product is dissemination to society. The Conference is being organized to set up a platform for scientists and entrepreneurs to discuss the strategies for medical device translation. The participating research teams will get an opportunity to showcase their medical product development work and shake hands with interested entrepreneurs. The Conference will also bring the key agencies supporting medtech ventures and representatives of regulatory authority onto the stage, to support the translational ventures.

Conference Layout

The technical program will run in three concurrent sessions, with 3 Plenary, 16 Keynote and 45 Invited Lectures. It will include a dedicated session for industry-academia-regulatory interactive discussions where the delegates can interact with the experts in the field. There will be dedicated sessions for the North American and the European Chapters. A gathering of about 300 scientists and researchers is expected, from all parts of India as well as from abroad. We look forward the active participation of students in this exciting scientific event in which recent advances in the areas of Biomaterials, Tissue Engineering and Medical Device Technology will be presented and discussed. There will be a pre-conference **Workshop on Medical Device Development on December 11, 2024**, led by expert hands, for selected participants.

Scientific Sessions

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|---|--|
| 1. Trends in Biomaterials Design and Processing | 7. Advances in Dentistry, Orthopedics and Orthotics |
| 2. Biofabrication and Tissue Engineering Strategies | 8. Computational and Data Science Approaches in Healthcare |
| 3. Drug Delivery Devices and Therapeutics | 9. Regulatory Affairs and Quality Management |
| 4. Biosensors and Bioimaging Systems | 10. Sustainability in Biomaterials and Medical Devices |
| 5. Antimicrobial Materials in Healthcare | 11. Public Health Challenges |
| 6. Preclinical and Clinical Safety and Efficacy Studies | |

Other Sessions:

- | | |
|-----------------------------|------------------------|
| 1. US Chapter Session | 4. Start-up Session |
| 2. European Chapter Session | 5. MAHE Award Session |
| 3. Industry Interactions | 6. Bajpai Saha Session |

Who should attend?

This Conference aims to showcase the frontiers of Biomedical Technology, including demonstrations of cutting-edge medical devices, implants and diagnostics. It will directly benefit all those working in the areas of biomaterials, tissue engineering and artificial organ development, both in Academia and Industry. The various sessions will be interesting to researchers in medicine and dentistry, industry start-ups, medical device manufacturers and organizations in MedTech field. Dedicated sessions will be conducted for the interaction of delegates from industry, academia and regulatory aimed at transforming the medical device industry from basic to deep technology level. We welcome medical professionals, scientists, engineers, students and industrial personnel to participate and take the most advantage of the proceedings.

Venue:

Hotel **DIMORA**, Thiruvananthapuram, India. This is in the heart of the city, at a walkable from Central Railway Station and City Bus Station. The distance to Airport is 7km.

Awards

There are a few Awards that are sponsored by SBAOI that will be conferred during the Conference. **Chandra P. Sharma Award (2024)** for global outstanding contributions in the area of Biomaterials and Artificial Organs; **Distinguished Biomaterials Scientist Award** recognizing the contributions made by a scientist in the area of biomaterial science; **Outstanding PhD thesis** and **Best Master's thesis awards** on nominations/applications. **MAHE "Young Scientist Award"** for best faculty presentations, **Bajpai-Saha "Student Award"** for best student presentations and **Best Poster Presentation Award** for the presentations during the conference.

Abstract Submission

Abstract Submission Opening – **July 1, 2024**

Abstract Submission Deadline – **September 15, 2024**

Abstract Acceptance Intimation – **September 31, 2024**

Abstract Submission Guidelines

An abstract of one page in MS Word format of 12 font size (Times New Roman) and single-spaced with a word count not exceeding 500 should be submitted by **September 15, 2024**. The abstract consists of a title, author list, affiliation and contact email address. It can also include tables or graphs/images. A few key literature references should also be included.

Those who wish to compete for the MAHE "Young Scientist Award" and Bajpai-Saha "Student Award" need to submit an extended abstract with a minimum of 2000 words containing all results and images with key references. Only those who satisfy these criteria will be considered for the awards. A few travel awards will be available for students requiring travel support. Students need to attach the recommendation of their respective guides to be considered for a travel award.

Registration Opening Date

Registration starts: **July 1, 2024**

Early Bird Deadline: **October 15, 2024**

Regular Registration closes: **November 15, 2024**

Conference Registration Fee (December 12-14, 2024)

	Category	Early Bird (Up to 15 Oct 24)	Regular (Up to 15 Nov 24)
Foreign Delegates	Faculty	US\$ 300	US\$ 375
	Student	US\$ 200	US\$ 250
	Accompanying Person*	US\$ 200	US\$ 250
Indian Delegates	Industry Delegate	Rs. 10,000	Rs. 12,500
	Faculty (Members)	Rs. 6,000	Rs. 7,500
	Faculty (Non Members)	Rs. 7,500	Rs. 9,000
	Students (Members)	Rs. 4,000	Rs. 5,000
	Students (Non Members)	Rs. 5,000	Rs. 6,000
	Accompanying Person*	Rs. 3,000	Rs. 3,500
*Accompanying persons are entitled only to tea/coffee, lunch, dinner and cultural program			

Workshop Registration Fee (December 11, 2024)

	Category	Early Bird (Up to 15 Oct 24)	Regular (Up to 15 Nov 24)
Foreign Delegates	Faculty	US\$ 100	US\$ 125
	Student	US\$ 75	US\$ 100
Indian Delegates	Industry Delegate	Rs. 3,500	Rs. 4,500
	Faculty	Rs. 2,000	Rs. 2,500
	Students	Rs. 1,500	Rs. 2,000

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Contact

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