CGC UNIVERSITY MOHALI

Shaping Tomorrow, Today

Our Legacy

QS I-GAUGE | nirf | NAAC GRADE A+ | NBA

INTERNATIONAL CONFERENCE ON

BIOMEDICAL & TRANSLATIONAL RESEARCH

FOR SUSTAINABLE HEALTHCARE

(ICBTRSH-2026)



Hybrid Mode | **DECEMBER 16-17, 2026**

ORGANIZED BY

ADVANCED CENTRE OF RESEARCH & INNOVATION

CGC University, Mohali

About the Conference

The **International Conference on Biomedical and Translational Research for Sustainable Healthcare** is a **multidisciplinary scientific platform** designed to bring together **researchers, academicians, clinicians, and industry professionals** to share and exchange **innovative ideas** in the field of **biomedical sciences and healthcare research.** The conference aims to **bridge the gap between basic scientific discoveries and clinical applications** by promoting **translational research approaches** that can lead to **effective, affordable, and sustainable healthcare solutions.**

This conference will highlight recent advancements in **Drug Discovery and Delivery Systems, Nanomedicine, Biotechnology, Regenerative Medicine, Artificial Intelligence in Healthcare,** and **Biomedical Engineering.** Special emphasis will be given to addressing **major global health challenges** such as **Cancer, Diabetes, Cardiovascular Disorders, Infectious Diseases,** and **Inflammatory Conditions** through **innovative and integrative research approaches.**

By fostering **Interdisciplinary Collaboration** and **Knowledge Sharing,** the conference seeks to accelerate the **translation of laboratory research into real-world medical applications,** ultimately contributing to **Improved Patient Care** and **Global Health Outcomes.**



About University

Established in 2025 under the aegis of the **Chandigarh Educational Society, CGC University, Mohali** stands as a new-age university rooted in a legacy of **25+ years of academic excellence.** Evolving from a strong educational foundation into a full-fledged university, **CGC University, Mohali** continues to uphold its tradition of **quality learning** while embracing **innovation** at every step.

With its proud legacy of **NAAC A+ Accreditation, NIRF Rankings, NBA Accreditation,** and a **Platinum Rating by QS I-GAUGE,** the university exemplifies **high standards in teaching, research, and institutional performance.**

What truly sets **CGC University, Mohali** apart is its **AI-enabled academic ecosystem** and **Gen Z-centered vision.** The university integrates **cutting-edge technologies, smart learning platforms,** and industry-driven curricula to prepare students for the challenges of a rapidly evolving world.

Designed for **holistic development,** the campus fosters **creativity, critical thinking, entrepreneurship, and leadership,** ensuring that students don't just earn degrees but also gain **real-world readiness.** With **experienced faculty, world-class infrastructure, affordable education,** and a **global outlook, CGC University, Mohali** has emerged as a **preferred destination for aspiring changemakers and future leaders** across the nation.

We offer a wide range of **Undergraduate** and **Postgraduate Programs** including **B.Tech, BCA, BBA, B.Com, Law, Journalism, Pharmacy, Fashion Designing, Paramedical Science, MBA, and MCA** at affordable fees. **Enroll Yourself to Experience a Vibrant Future.**





Themes:

The International Conference on **Biomedical and Translational Research for Sustainable Healthcare** aims to provide a **multidisciplinary platform for researchers, clinicians, academicians, and industry experts** to discuss recent advances in **biomedical sciences, translational medicine, and emerging healthcare technologies**. The conference emphasizes the integration of **fundamental research, clinical innovation, and technological advancements** to develop **effective, affordable, and sustainable healthcare solutions** that address **global healthcare challenges** and contribute to improving healthcare outcomes worldwide.

Conference Tracks:

Track 1: Advanced Drug Discovery, Drug Delivery and Nanotherapeutics.

- Target identification, validation and lead optimization.
- Structure-based drug design and molecular modeling.
- Pharmaceutical nanotechnology and nanocarrier systems.
- Targeted, controlled and stimuli-responsive drug delivery.
- Polymeric, lipid-based and hybrid nanomedicine platforms.
- Gene, peptide, protein and nucleic acid delivery systems.
- Precision therapeutics and personalized medicine.

Track 2: Translational Biomedical Sciences, Clinical Research and Omics.

- Translational medicine: bench-to-bedside innovations
- Clinical biomarker discovery and validation
- Clinical trial methodologies and evidence-based therapeutics
- Genomics, proteomics, transcriptomics and metabolomics
- Systems biology and integrative omics approaches
- Bioinformatics, computational biology and network medicine
- Precision diagnostics and predictive medicine

Track 3: Translational Biomedical Sciences, Clinical Research and Omics.

- Stem cell therapeutics and cellular reprogramming.
- Biomaterials and scaffold-based regenerative systems.
- Tissue engineering and organ regeneration strategies.
- 3D bioprinting and biofabrication technologies.
- Wound healing and tissue repair mechanisms.
- Organoids, organ-on-chip and advanced in vitro model.
- Immunomodulation in regenerative medicine.

Track 4: Artificial Intelligence, Digital Health and Biomedical Engineering.

- Artificial Intelligence and Machine Learning in Healthcare.
- Medical Imaging, Diagnostics and Computational Image Analysis.
- Digital Therapeutics and Clinical Decision-Support Systems.
- Wearable Biosensors and Point-of-Care Diagnostics.
- Telemedicine, Remote Monitoring and Smart Healthcare.
- Biomedical Devices, Instrumentation and Translational Healthcare Technologies.
- Robotics, Automation and the Internet of Medical Things.

Track 5: Molecular Disease Mechanisms and Therapeutic Interventions.

Cancer Biology and Therapeutics.

- Molecular Oncology and Tumor Microenvironment.
- Targeted Anticancer Therapies and Drug Resistance.
- Cancer Immunotherapy and Therapeutic Vaccines.

Metabolic and Endocrine Disorders.

- Diabetes Mellitus, Obesity and Metabolic Syndrome.
- Oxidative Stress, Inflammation and Metabolic Dysregulation.
- Emerging Therapeutics for Endocrine Disorders.

Infectious Diseases and Immunology

- Host-Pathogen Interactions and Disease Pathogenesis.
- Antimicrobial Resistance and Novel Anti-Infectives.
- Vaccine Research and Immunoprophylaxis.
- Autoimmunity, Inflammation and Immune Signaling Pathways.

Track 6: Pharmacology, Toxicology and Natural Product Therapeutics.

- Experimental and translational pharmacology.
- Toxicological evaluation and safety pharmacology.
- Natural products, phytopharmaceuticals and drug discovery.
- Nutraceuticals, functional foods and bioactive compounds.
- Herbal therapeutics and evidence-based traditional medicine.
- Regulatory sciences, toxicovigilance and risk assessment

Call for Papers

Researchers, Academicians, Students, and Industry Professionals are invited to participate in the **ICBTRSH Conference.** Participants are required to submit a **Full-Length Manuscript** through the **CMT Submission System.** All submitted manuscripts will undergo a **Rigorous Peer-Review Process** based on **Originality, Technical Quality, Scientific Merit**, and **Relevance to the Conference Themes.**

Accepted Papers will be considered for **Conference Presentation and Publication Opportunities** as per the conference guidelines. All authors submitting manuscripts must sign a **Declaration of Originality** confirming the authenticity of their work before **Final Submission.**

Note: The Conference will be in Hybrid mode.

The Microsoft CMT Service was used for managing the **Peer-Review Process** for this conference. This service was provided **free of charge by Microsoft**, which bore all associated expenses, including the costs of **Azure Cloud Services, Software Development, and Technical Support.**

Paper Template
For Full-Length Paper:

The authors are requested to submit their **Manuscripts** in the form of **Research Papers** and **Review Papers,** with a maximum length of **6000–7000 Words.** All submitted manuscripts will undergo a **Standard Peer-Review Process** and must comply with a **Plagiarism Limit of Less Than 10%.**

Important Deadlines:

Deadline for Full Paper Submission: October 15, 2026
Deadline for Acceptance of Paper: November 15, 2026
Registration Starts: November 16, 2026
Deadline for Registration: November 21, 2026

Registration:

The **Registration** Fee is **Non-Refundable** and **Non-Transferable. No Refund** will be provided in case of cancellation. **Only Registered Delegates** will be permitted to attend the **Conference.**

Delegates	Registration Fee (Early Bird)	Registration Fee (Particip. Only)
Research Scholars / Academicians	**INR 10,000**	**INR 1000**
Corporate Industry	**INR 12,000**	**INR 2000**
Foreign Delegates	**USD 250**	**USD 50**

Mode of Payment:

The **Registration Fee** can be paid through **Net Banking** using the following bank account details:

Account Name: Chandigarh Engineering College R&D
Bank Name: State Bank of India (SBI)
Account Number: 41809014534
IFSC Code: SBIN0017008
Bank Address: Jhanjeri, Sirhind Road, Punjab – 140307

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Submission deadline

- Peer review
- Accept/reject
- Presentation 40
- 1 month gap between acceptance to conference





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