

2nd Global Conclave on

Future of Biosensors and Bioelectronics

June 26-27, 2025 | Berlin, Germany

Theme:

Next-Generation Biosensors and Bioelectronics: Integrating Smart Technologies for Global Health, Sustainability, and Innovation

Sub-themes:

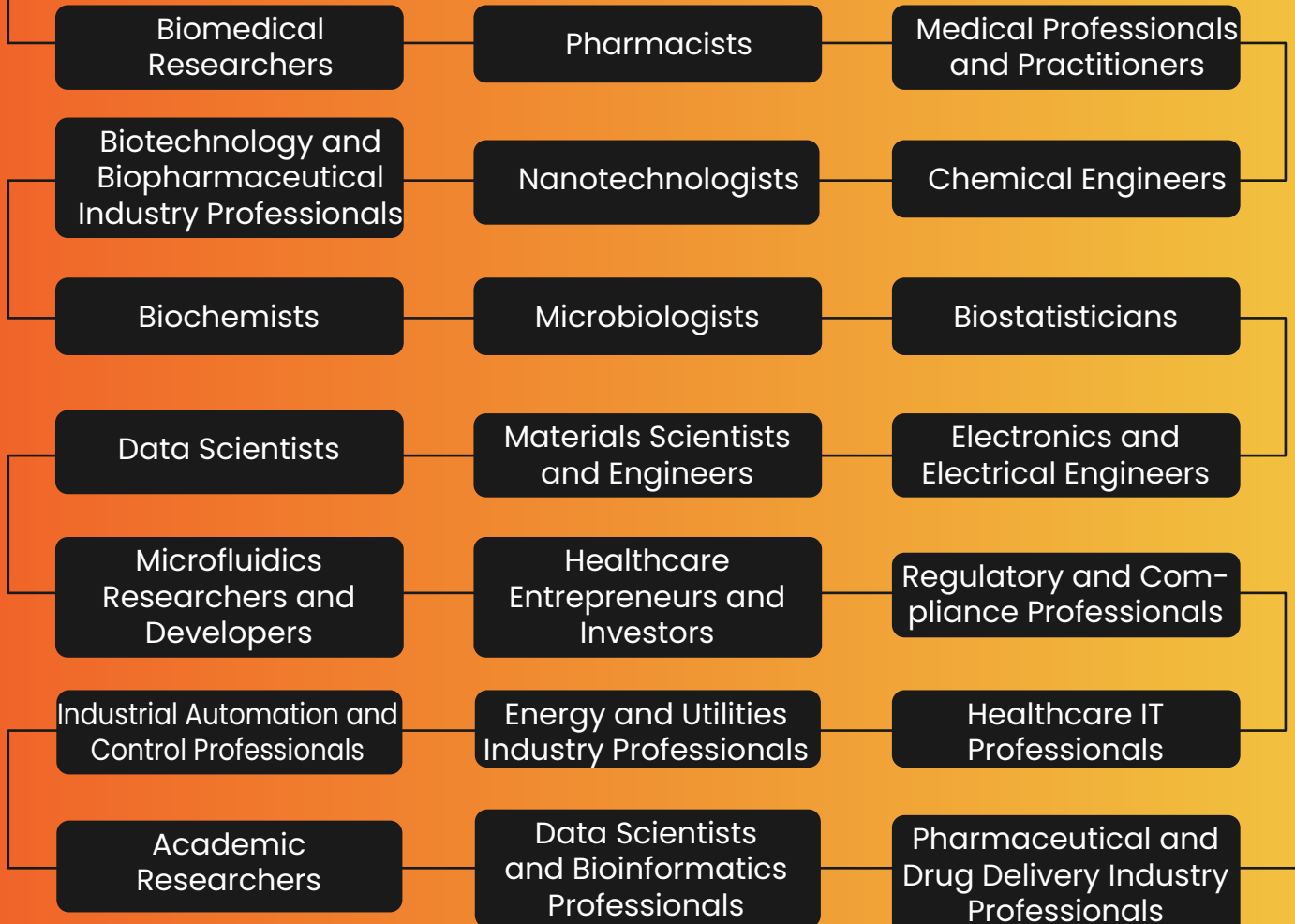
- Advancements in Biosensor Technologies for Healthcare
- Bioelectronics in Precision Medicine and Personalized Healthcare
- Sustainable and Biocompatible Materials in Biosensors
- Nanotechnology in Biosensors
- Integration of Artificial Intelligence and Machine Learning with Biosensors
- Biosensors for Environmental and Agricultural Monitoring
- Wearable Biosensors for Continuous Health Monitoring
- Point-of-Care Diagnostic Biosensors
- Flexible and Stretchable Bioelectronics
- Graphene and 2D Nanomaterials in Biosensing
- Wireless and Remote Biosensing Technologie

FUTURE OF BSBE 2025

<https://advanced-biosensors-bioelectronics.peersalleyconferences.com/>



WHO SHOULD ATTEND?



WELCOME MESSAGE

Dr. Koffka Khan

The University of the West Indies,
West Indies



Dear Participant,

On behalf of the organizing committee, it is with great pleasure that we extend our warmest welcome to the **"2nd Global Conclave on Future of Biosensors and Bioelectronics"** (Future of BSBE 2025), scheduled to be held on **June 26-27, 2025**, in the vibrant city of **Berlin, Germany**.

Your enthusiastic participation and contribution are highly anticipated as we gather leading experts, researchers, and innovators from around the globe to explore the latest advancements and future prospects in biosensors and bioelectronics.

This event promises to be an enriching experience filled with insightful discussions, groundbreaking research presentations, and ample networking opportunities. We are thrilled to have you join us and share your expertise with colleagues and peers from diverse backgrounds.

Once again, welcome to Future of BSBE 2025! We look forward to your presence and meaningful engagement in shaping the future landscape of biosensors and bioelectronics.

Warm regards,

Dr. Koffka Khan

The University of the West Indies, West Indies

Dear participants of the **2nd Global Conclave on Future of Biosensors and Bioelectronics 2025**, it is an honor and pleasure to write a few welcome notes. The ongoing healthcare transformation towards personalized, preventive, predictive, participative precision medicine (P5M) considers individual health status, conditions, genetic and genomic dispositions in personal social, occupational, environmental and behavioral context. Thereby, the actors from multiple domains with their own methodologies, languages, ontologies, education and skills, communication and cooperation, but also new and old technical components must be able to correctly and comprehensively communicate and cooperate.

This requires a full understanding and intelligent as well as ethical action. For realizing this, the highly dynamic, complex, context-aware, multi-disciplinary transformed healthcare ecosystem must be represented as system of systems, using a system-theoretical, ontology-based, policy-driven approach standardized in ISO 23903 Interoperability and Integration Reference Architecture. Because of its formal and foundational nature, model and methodology are not restricted to health and social care, but has been successfully deployed already in many other domains. We look forward to an exciting and productive conference.

BERND BLOBEL

University of Regensburg
Germany



PRESENTATION FORUM



KEYNOTE FORUM / MINI-PLenary SESSIONS

Presentations under Keynote Forum or Mini-Plenary Sessions includes abstracts with remarkable research value selected by the program committee. These significant speeches are delivered by globally recognized honorable speakers and it is open to all registrants.



DISTINGUISHED SPEAKERS FORUM (ORAL ABSTRACT SESSIONS)

In this forum, speakers and experts of the research field gets an opportunity to showcase their noble research work that involves comprehensive research findings. These formal oral presentations include a wide range of talks covering basic research to advanced research findings in accordance to the theme and scientific sessions of the conference.



STUDENT FORUM

POSTER SESSION

This session is particularly introduced to encourage more number of student participation at international conferences, however it is not restricted only to students since it is also available for the participants with language barrier. There are specific guidelines to be followed to prepare the poster. Poster topic should be selected only from relevant scientific sessions with in-depth technical details.



YOUNG INVESTIGATORS FORUM

An exclusive opportunity for students and young investigators to present their research work through a formal oral presentation. Young Investigators Forum provides a global platform for young researchers and scholars to showcase their valuable contribution to the scientific world and to get acknowledged by the global scientific community of experts. It is an excellent opportunity to recognize young scientific assets with promising research ideas. These oral presentations are of shorter time duration with 10-15 minutes of informative and precise presentations in relevant scientific sessions.



EDUCATIONAL WORKSHOPS/RESEARCH WORKSHOPS/ CORPORATE WORKSHOPS/MINI- SYMPOSIA

With an aim of transferring knowledge among the participants, workshops are introduced as a part of international conferences. These interactive and occasionally practical sessions gives an opportunity for participants to engage in detail discussion. Workshops are mostly scheduled for 60 to 90-minutes. It may range from learning about a specific topic relevant to international education, products and research which sometimes involves practical demonstration. It helps in enhancing skills, knowledge and understanding of the research field in depth through interactive discussions.



HIGHLIGHTS OF THE DAY SESSIONS

“Highlights of the Day Sessions” is introduced to discuss and focus a ray upon previous day ORAL ABSTRACT presentations by experts to summarise the key findings. It helps in getting better insights into the various dimensions of the topic.



MEET THE PROFESSOR @ NETWORKING SESSIONS

This session involves open discussion between the experts and session attendees, it gives enough time for getting answers to specific questions and doubts. It is an opportunity for attendees to increase their professional networking, sometimes also leads to an excellent collaboration opportunity.



EDUCATIONAL SESSIONS/ TRAINING PROGRAMS

Educational Sessions or training programs are specifically designed for a better understanding of the latest findings and technologies. These are generally 45-minute sessions that gives an exposure to the multidisciplinary field, that provides in-depth learning experiences and address educational needs.



REGISTER & PARTICIPATE

in

FUTURE OF BSBE 2025

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TYPES OF ACADEMIC REGISTRATIONS

Speaker Registration

COMBO A (Registration + 2 Night Accommodation)

COMBO B (Registration + 3 Night Accommodation)

Delegate Registration

TYPES OF STUDENT REGISTRATIONS

Registration

YIF

COMBO A (Registration + 2 Night Accommodation)

COMBO B (Registration + 3 Night Accommodation)

Posters

TYPES OF BUSINESS REGISTRATIONS

Speaker Registration

COMBO A (Registration + 2 Night Accommodation)

COMBO B (Registration + 3 Night Accommodation)

Delegate Registration

TYPES OF ADDITIONAL REGISTRATIONS

Accompanying Person

E-Poster

Virtual Presentation

Workshops

Start-Ups

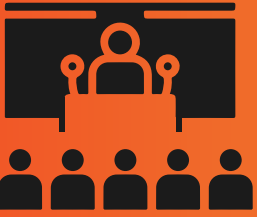
TIME TO
CONNECT



WITH YOUR
PEERS

CONCURRENT EDUCATIONAL SESSIONS

THURSDAY - JUNE 26, 2025



- 2D Materials for Bioelectronics
- Advanced Bioelectronic Materials
- Advances in Bioelectronics
- Advances in Biosensor Technology



- Advances in Biosensors and Bioelectronics for Cancer Detection and Treatment
- Advances in Biosensors for Point-of-care Testing and Diagnostics

GROUP PHOTO | COFFEE BREAK



- Bioelectronics and Biocomputing For Synthetic Biology And Biotechnology
- Bioelectronics and Medical Devices
- Biosensors and Bioelectronics for Drug Discovery And Personalized Medicine



- Biosensors and Bioelectronics for Infectious Disease Detection And Control
- Biosensors and Bioelectronics for Neural And Brain-Machine Interfaces

LUNCH BREAK



- Biosensors and Bioelectronics for Non-Invasive Monitoring and Diagnostics
- Biosensors and Bioelectronics for Regenerative Medicine and Tissue Engineering

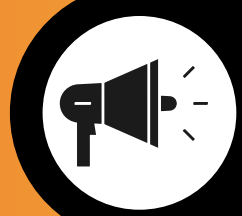


- Biosensors and Bioelectronics for Sports Medicine and Performance Monitoring
- Biosensors Design and Fabrication

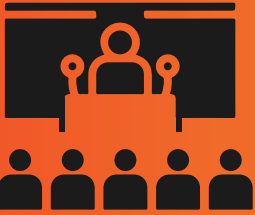
COFFEE BREAK



- Biosensors in Agriculture
- Biosensors in Food Processing, Safety, and Quality Control
- Biosensors involved in Drug Discovery
- Biosensors: Emerging Materials
- Calorimetric Biosensors
- Cell-based Biosensors

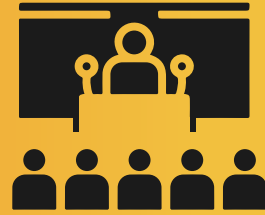


- Chemical Sensors and Biosensors
- CMOS Bioelectronics
- Conductive Hydrogels for Bioelectronics
- Cybersecurity and Ethical considerations

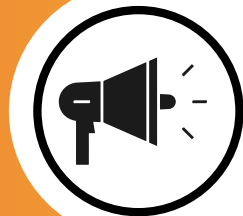


CONCURRENT EDUCATIONAL SESSIONS

FRIDAY - JUNE 27, 2025



- Economics of Biosensors
- Electrochemical Biosensors
- Electrochemical Biosensors
- Electrochemical DNA Sensors



- Electronic Sensing Systems for Detecting and Monitoring Disease Outbreaks
- Emerging Biosensors and Bioelectronics for Veterinary and Animal Health Applications

GROUP PHOTO | COFFEE BREAK



- Graphene Bioelectronics
- Implantable Bioelectronics
- Integration of Artificial Intelligence and Machine Learning in Biosensors and Bioelectronics



- Intelligent and Biosensors
- Magnetoelastic Biosensors
- Mathematical Modelling of Biosensors
- Medical Applications of Biosensors

LUNCH BREAK



- Membranes used in Biosensors
- Microbial Nanowires
- Microfluidic Biosensors
- Molecular Optobioelectronics
- Nanobiosensors



- Nanomaterials and Lab-on-a-chip Technologies
- Next-Generation Sequencing and Biosensors for Genomics and Proteomics Research
- Noninvasive Biosensors

COFFEE BREAK



- Piezoelectric Biosensors
- Printable and Flexible Bioelectronics
- Switchable Bioelectronics



- Transistor Based Biosensors
- Wearable Bioelectronics

GLIMPSES INTO OUR PAST CONFERENCES



GLIMPSES INTO OUR PAST CONFERENCES





HONORING DISTINGUISHED SPEAKERS @ OUR PAST CONFERENCES



MEET THE PROFESSOR SESSIONS @ OUR PAST CONFERENCES



YOUNG RESEARCHER SESSIONS

@ OUR PAST CONFERENCES



BOOK LAUNCHES

@ OUR PAST CONFERENCES



WE LOVE & SUPPORT

PEERS ALLEY MEDIA CONFERENCES



NETWORKING... CONFERRING... FOSTERING

Attending a Conference isn't all about Learning and Networking



A right choice of conference destination is an important aspect of any international conference and keeping that in consideration, **Future of BSBE 2025** is scheduled in the Beautiful city "Berlin".



Brandenburger Tor



Holocaust Memorial



Jüdisches Museum



Soviet Memorial



Rixdorf



Great Art at the Van Gogh Museum



Hop-On Hop-Off Bus and Boat



Oude Haven, Rotterdam



Oude Kerk's Tower

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