

# Preface

The proceedings contain the accepted papers of the 15th International Conference on Bioscience, Biochemistry, and Bioinformatics (ICBBB 2025), held in Bangkok, Thailand, during January 16-19, 2025.

In the face of rapid advancements in science and technology, the fields of bioscience, biochemistry, and bioinformatics have become pivotal in addressing some of the most pressing global challenges. These include understanding complex biological systems, developing innovative medical treatments, and creating sustainable solutions for environmental and agricultural issues. The ICBBB 2025, as a leading international forum, aims to bring together renowned scientists, researchers, and industry professionals from around the globe to share their latest findings, discuss emerging trends, and explore collaborative opportunities in these critical areas.

A key focus of ICBBB 2025 is to highlight the transformative role of bioinformatics in advancing bioscience and biochemistry. By integrating computational tools with biological research, we can unlock new insights into genetic, molecular, and cellular processes, paving the way for breakthroughs in healthcare, agriculture, and environmental conservation. The conference also emphasizes the importance of interdisciplinary collaboration, fostering innovative approaches to tackle complex biological challenges and drive sustainable development.

In addition to the technical program, ICBBB 2025 offers ample networking opportunities, enabling participants to connect with peers, establish collaborations, and forge partnerships that can accelerate progress in the field. The exchange of ideas and knowledge at this conference is expected to inspire new research directions and practical applications that will benefit both academia and industry.

I would like to extend my heartfelt gratitude to all the researchers, authors, presenters, and participants for their invaluable contributions to this conference. Special thanks go to the reviewers and the program committee for their diligent evaluation of the submissions, ensuring the highest quality of research presented at ICBBB 2025.

I hope that these proceedings will serve as a valuable reference for your work and that the insights shared in this volume will inspire further advancements in bioscience, biochemistry, and bioinformatics, contributing to a better future for all.

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Prof. Kuo-Sheng Cheng  
National Cheng Kung University

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