

Speaker Biography

Prof. Dumnoensun Pruksakorn, M.D., Ph.D.

President of the Bioinformatics Academic Association in Thailand (BAT)

Dr. Dumnoensun Pruksakorn is a physician-scientist and orthopedic surgeon at the Faculty of Medicine, Chiang Mai University, where he serves as Associate Dean for Research and director of the Center of Multidisciplinary Technology for Advanced Medicine (CMUTEAM). He earned his Doctor of Medicine from Chiang Mai University and a Doctor of Philosophy in Applied Biological Science from the Chulabhorn Graduate Institute, complemented by international training in musculoskeletal oncology and lower-limb reconstruction at the University of British Columbia, Canada.

His research bridges orthopedic oncology and molecular science, focusing on osteosarcoma and bone metastasis, biomarker discovery, proteomics and multi-omics, liquid biopsy, and drug repurposing for precision cancer treatment. He has published more than 97 peer-reviewed articles and leads national research programs on multi-omics for rare and childhood cancers and on genetic testing for hereditary cancer in Thailand.

As President of the Bioinformatics Academic Association in Thailand (BAT), he works to strengthen the country's bioinformatics community and to build a national hub of talent in the field, fostering a sustainable research ecosystem that connects academia, government, and industry across precision medicine, smart agriculture, and the green bio-economy.