

Sung-Woo Kim

Chief Executive Officer of MiCo BioMed Co.



Sung-Woo KIM is CEO of the MiCo BioMed Co., Ltd., an innovative LabChip-technology based diagnostic company in Korea that generates various biochemical, immunological and molecular diagnostic products including COVID-19 detection kits and systems (PCR, antigen, antibody, etc.). He received Ph.D. in Biological Sciences at Columbia University in 1995 and worked for Harvard Medical School as a research faculty over 13 years.

He founded NanoBioSys Inc. in 2009 and invented a portable molecular diagnostic system to detect multiple infectious disease pathogens rapidly using an inexpensive disposable plastic microfluidic Lab-on-a-Chip (LabChip). The core inventions were patented over 17 developed countries with more than 90 related patents. He currently leads his colleagues to develop more efficient portable easy-to-use tele-diagnostic system for rapid detection, monitoring and controlling animal/food-borne diseases as well as human diseases on site. He and his colleagues are moving towards an innovative U-healthcare system to provide a healthier environment for the world.

Dr. Kim has been working with international organizations such as United Nations (UN), World Health Organization (WHO) and Institute of Pasteur. He gave a presentation of the application of the LabChip-based molecular diagnostic system for rapid detection of infectious diseases in fields at UN and was invited to WHO Project as a technical adviser at Wellcome Trust. Currently, he and his team are intensively collaborating with the Institute of Pasteur, Dakar for rapid detection and controlling COVID-19 in Senegal. His company product of real-time PCR system for rapid molecular detection of COVID-19 in field was accepted as WHO EUL (Emergency Use Listing) for potential procurement candidate.

He received a Medal of Honor for innovative industrial contribution from the President of Korea in 2020. He also got several Awards from Ministers, Broadcasting and Media companies as well as highly competitive Grant Awards from governmental Ministries.