



## 8th International Conference on Plasma Medicine

August 3-6, 2021 / Online Conference, Korea

August 3~6, 2021  
Online Conference

ISPB 10 10th International Symposium on Plasma Bioscience

Associated with 3rd Summer School on Plasma Medicine on August 2-3, 2021

---



**Prof. Sun Jung Kim**  
Dongguk University, Republic of Korea

---

**Dr. Sun Jung Kim** is a professor at Department of Life Science, Dongguk University, South Korea. He received his Ph.D. in 1991 in Molecular Biology from KAIST, Korea, and trained as a post doc at the NIH, USA. In 2000, he became a faculty member at Dongguk university and since then his research has focused on the epigenetics of breast cancer. Currently, he is expanding his career on cancer epigenetics by combining together with the cold atmospheric plasma. As representative plasma-medicine works, he identified epigenetic markers including cancer-related genes regulated by CpG methylation and microRNAs that are affected by plasma in breast cancer cells. Recently, his research team has found that plasma could contribute to the recovery of drug sensitivity to drug-resistant cancer cells. These findings give us an insight that plasma can be applied to overcoming of the drug-resistant cancer, not just to inducing death of the primary cancer. At the conference, Dr. Kim will present their findings including the efficacy of plasma in the tamoxifen- and paclitaxel-resistant breast cancer cells.