

# Jae Min Jeong

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\* **CAREER:** Jae Min Jeong is a Professor in the Department of Nuclear Medicine, Seoul National University (SNU) College of Medicine since 2005. He graduated from College of Pharmacy SNU in 1982, and had M.Sc. and Ph.D. degrees in the Lab of Biochemistry in the same University. Doctoral thesis was about radiolabeling of monoclonal antibodies and various radiopharmaceuticals with  $^{99m}\text{Tc}$ . He had Post-Doc in NIH, U.S.A., where he studied about radiolabeling of antibodies and peptides with various radioisotopes under Dr. Chang H Paik's supervision (1990~1993).

\* **RESEARCH:** He has over 170 peer-reviewed publications in SCI journals and over 30 pending patents mostly in the field of radiopharmaceutical chemistry. He contributed to the construction of the first PET Lab in Korea in SNU Hospital, where he installed many radiopharmaceutical production systems such as  $^{18}\text{F}$ FDG,  $^{11}\text{C}$ methionine,  $^{11}\text{C}$ acetic acid,  $^{11}\text{C}$ raclopride,  $^{11}\text{C}$ PK11195,  $^{11}\text{C}$ PIB,  $^{18}\text{F}$ fluoroflumazenil,  $^{18}\text{F}$ FDOPA,  $^{18}\text{F}$ FMISO,  $^{13}\text{N}$ NH<sub>3</sub>,  $^{15}\text{O}$ H<sub>2</sub>O, and so on. He developed therapeutic radiopharmaceuticals such as  $^{188}\text{Re}$ -lipiodol for liver cancer therapy,  $^{188}\text{Re}$ -tin colloid for rheumatoid arthritis therapy, and  $^{188}\text{Re}$ -HEDP for bone pain palliation. He also developed various  $^{68}\text{Ga}$ -labeled radioligands such as  $^{68}\text{Ga}$ -labeled amino acid derivatives for imaging various cancers,  $^{68}\text{Ga}$ -labeled nitroimidazole derivatives for imaging hypoxic tissues,  $^{68}\text{Ga}$ -cRGDyK for imaging angiogenesis, and  $^{68}\text{Ga}$ -NOTA-MSA for imaging inflammatory atherosclerosis. Recently, he developed a new preparation method of multimodal nanoparticles.

\* **SOCIAL ACTIVITY:** He is the President of Society of Radiopharmaceutical Sciences (SRS) and members of Society of Nuclear Medicine and Molecular Imaging (SNMMI), World Molecular Imaging Society (WMIS), World Association of Radiopharmaceutical and Molecular Therapy (WARMTH), Korean Society of Nuclear Medicine (KSNM), Korean Chemical Society (KCS), Pharmaceutical Society of Korea, etc. He served as a Secretary General of ISRS 2013 in Jeju successfully. He was the founding president of Korean Society of Radiopharmaceuticals and Molecular Probes (KSRAMP, 2014). He is editorial boards of many journals including Nuclear Medicine and Biology and Journal of Nuclear Medicine, and is the first Editor-in-Chief of Journal of Radiopharmaceuticals and Molecular Probes.

\* **AWARDS:** Distinguished Service Award by Korean Radioisotope Association (2005); and Nuclear Medicine Academy Award by Korean SNM (2012).