

THE UNIVERSITY OF MICHIGAN

Regents Communication

ACTION REQUEST

Subject: Report of Faculty Retirement

Action Requested: Adoption of Retirement Memoir

Yong-Woon Jung, Ph.D., assistant research scientist, radiology in the Medical School, retired from active faculty status on August 31, 2017.

Dr. Jung received his B.S. (1977) and M.S. (1979) degrees from Korea University and his Ph.D. (1987) degree from the University of Michigan. He completed a postdoctoral fellowship in the Department of Chemistry (1987-88) and a postdoctoral fellowship in the Department of Internal Medicine, Division of Nuclear Medicine (1988-90) at the University of Michigan. He joined the University of Michigan faculty as a research investigator in 1990, and was promoted to assistant research scientist in 2011.

Dr. Jung was an essential contributor to the Department of Radiology's internationally recognized center for positron emission tomography (PET) research. His primary research has focused on the synthesis and bio-evaluation of radiolabeled tracers for mapping regional sympathetic nerve density in the mammalian heart by PET. The long-range objective of this research was to develop tracers to quantitatively assess cardiac nerve damage in heart diseases such as diabetic neuropathy, congestive heart failure, and myocardial infarction. Dr. Jung's recent work explored the further characterization of [11C] and [18F]-labeled phenethylguanidines for PET imaging applications in nuclear cardiology and in the detection of adrenergic tumors such as neuroblastoma and pheochromocytoma. As an organic chemist and radiochemist, he also studied the design, synthesis, and evaluation of PET and single-photon emission computed tomography (SPECT) radioligands for neurological diseases such as brain cholinergic nerve mapping in Alzheimer's disease and GABA/dopaminergic nerve mapping in psychiatric and neurological conditions.

The Regents now salute this distinguished researcher for his dedicated service by naming **Yong-Woon Jung, assistant research scientist emeritus, radiology.**

Requested by:



Sally J. Churchill, J.D.

Vice President and Secretary of the University

September 2017