

Professor Tae-Young Kim received his B.S. and M.S. degrees in Chemistry from Seoul National University in 1999 and 2001, respectively, and acquired Ph.D. in Analytical Chemistry with a Biochemistry minor under Prof. James P. Reilly at Indiana University, Bloomington, USA, in 2009. The major project during his Ph.D. research was to develop a novel hybrid ion trap/time-of-flight mass spectrometer enabling energy/time-dependent vacuum UV photodissociation of biomolecules such as peptides, lipids, and carbohydrates. He worked as a postdoc at Caltech in the lab of Prof. Jesse L. Beauchamp from 2009 to 2010 and at UCLA under Prof. P. Ping from 2010 to 2013. He began his independent career in teaching and research at Gwangju Institute of Science and Technology in 2013. His research goal is to advance environmental science by developing novel analytical platforms for highly sensitive and selective detection of trace amounts of toxic substances in complex matrices by coupling mass spectrometry with chromatography.

