



Dae Yoon Chi

Current Address

Department of Chemistry, Sogang University, 35 Baekbeomro
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Education

University of Illinois at Urbana-Champaign, Illinois, U.S.A., Department of Chemistry, Ph.D.
in org. chem., 1986.

KAIST, Seoul, Korea, Department of Chemistry, M.S., 1979.

Sogang University, Seoul, Korea, Department of Chemistry, B.S., 1977.

Professional Experience

2009. 1 - present Professor, Department of Chemistry, Sogang University, Seoul, Korea.

1999. 11 - present FutureChem Co., Ltd. CEO

2009. 9 - present Director of Converging Research Headquarter for Frontier Medical
Instruments

2009. 7 - present Head of Converging Research Center for PET Radiopharmaceuticals

1995. 9 - 2008. 12 Associate Professor and Professor, Department of Chemistry, Inha
University, Incheon, Korea.

1994. 4 - 1995. 9 Director of PET Center, Department of Nuclear Medicine, Samsung
Medical Center, Seoul, Korea.

1986. 10 - 1988. 2 Postdoctoral Research Fellow, Department of Chemistry, University of
California, Berkeley, California, U.S.A.

Biographical Sketch: Dae Yoon Chi (dychi@sogang.ac.kr, February, 2014)

Dae Yoon Chi was born in Pusan, Korea, in 1955. He received a BS in chemistry from
Sogang University (1977), and continued for his MS studies from KAIST in organic

chemistry with Professor Sang Chul Shim (1979), and for his PhD studies from University of Illinois at Urbana-Champaign in organic chemistry with Professor John A. Katzenellenbogen (1986). Instead of military service, he worked at KIST, Medicinal Chemistry Lab (1979-1982).

He did his postdoctoral work with Professors John E. Hearst and Henry Rapoport at University of California, Berkeley (1986-88) In 2009, he moved to Department of Chemistry, Sogang University. He founded FutureChem Co., Ltd. in 1999 and serves until now as a CEO to serve the radiochemistry researchers by supplying radiopharmaceutical precursors since 1999. He is also serving Converging Research Headquarter for Frontier Medical Instruments as a Director as well as Converging Research Center for PET Radiopharmaceuticals as a Head from 2009. Dr. Chi's research spans organic chemistry, medicine, and PET and SPECT radiopharmaceutical chemistry. He developed many methods for the preparation of radiopharmaceuticals: Halofluorination of F-18 (with Prof. John A. Katzenellenbogen) and Integrated method for Tc-99m (with JAK), F-18 Fluorination in ionic liquid, and F-18 labeling in protic solvent (Chi's method). Especially, Chi's method shows the mass production of F-18 labeled radiopharmaceuticals on aliphatic position. This method made a possible to register and be used now two new radiopharmaceuticals – F-18 FLT and F-18 FP-CIT – from Korean FDA. These are the first registered PET radiopharmaceuticals officially used after FDG through the clinical trials. He collaborates extensively with other researchers at Korea and internationally. He published around 180 scientific papers, 6 book chapters and filed more than 40 patents.