

[TC1] Radiochemistry II: Radioisotope Production, Analysis and Applications	
Date / Time	September 8 (Tue.), 2026 / 13:00~15:30
Place	Room C (Segyero Room 2)
Chairpersons	Prof. Young Soo Yoon (Gachon University), Dr. Jei-Won Yeon (Korea Atomic Energy Research Institute)

[TC1_1] [Invited]

13:00~13:30

Applications of Radiocarbon Analysis in Environmental Science in Korea

Neung-Hwan Oh, Eun-Ju Lee, Seung-Cheol Lee, Kyuyeon Lee, Hyunshin Koh

Seoul National University

[TC1_2]

13:30~13:50

Measurement of Actinium-225 Activity from Thorium-232 Target at IRIS

Jaehong Kim, Jae Sung Kim, Danhye Gil, Bumsik Park, Yeong Heum Yeon, Vivek R. Chavan, Hyoun Woo Jung, Beom Yeol Baek, Hee Joong Yim, Jinho Lee, Tacksu Shin

Institute for Basic Science

[TC1_3]

13:50~14:10

Half-Life Evaluation of Selected Radioisotopes Relevant to Nuclear Science and Medicine

Kishore Babu Dasari^{1,2}, Gwang-Min Sun¹, Jinyu Kim¹, Hana Cho^{1,3}, Myong-Seop Kim¹

¹Korea Atomic Energy Research Institute, ²Jeonbuk National University, ³Korea Research Institute of Standards and Science

[TC1_4]

14:30~14:50

First Application of an Ion-Molecule Reaction for Highly Sensitive Radioactive Cesium Isotope Ratio Measurement by ICP-MS/MS

Jiyoung Park

Korea Atomic Energy Research Institute

[TC1_5]

14:50~15:10

Occupational Radiation Dose Assessment of Nuclear Medicine Technologists during Manual Synthesis of High-Specific-Activity NCA Lutetium-177 Radiopharmaceuticals

Pottumuthu Hemalatha^{1,2}, B. Vasundhara¹, Sarma MSSRKN¹, Prabhakara Rao VVS³

¹GITAM University, ²Omega Hospitals, ³Healthcare Global Enterprises

[TC1_6]

15:10~15:30

Cross Section and Yield Measurements of Auger Emitting ¹⁰³Pd Radionuclide Produced via ¹⁰³Rh(p,n) Reactions Using X-Ray and Gamma-Ray Spectrometry

Sk Wasim Raja^{1,2}, Siddhartha Dechoudhury^{1,2}, Vaishali Naik^{1,2}

¹Variable Energy Cyclotron Centre, ²Homi Bhabha National Institute