

KOREAN RADIATION BIODOSIMETRY LABORATORIES NETWORK

Kang, Chang-Mo

Laboratory of Cytogenetics and Tissue Regeneration, Korea Institute of Radiological & Medical Sciences, Seoul 139-706, Korea. Email kangcm@kcch.re.kr

There are 1,287 radioisotope-related factories and Institute, 20 nuclear power plants, and 76 radiation generators in South Korea at 2005. So, Radiation biodosimetry laboratories network is demanded essentially all. To organize 'Korean Radiation Biodosimetry Network', KIRAMS is center and it will be formed the union consisting of participating total 6 laboratories throughout South Korea: Korea Institute of Radiological & Medical Sciences (KIRAMS), Seoul Nation University, Radiation Health Research Institute (RHRI), Kyungbook National University, Chonnam National University in near future. KIRAMS open Workshop to train cytogenetic techniques (i.e., Dicentric Analysis, Premature Chromosome Condensation Analysis, The Micronucleus Assay, Translocation Analysis according to IAEA Technical Reports Series No. 405: Cytogenetic Analysis for Radiation Dose Assessment, IAEA, Vienna, 2001) every year from 2003. Particularly, IAEA-supported workshop was opened for a standard technology transfer to Korean biodosimetrist with IAEA specialists whose Dr. Hayata and Dr. Darroudi in KIRAMS. (Programme: IAEA Ref. C7-ROK-9.045-001; Title: National Training Course on Biological Radiation Dosimetry; Place: Korea Institute of Radiological and Medical Sciences, Seoul, Republic of Korea; Periods: November 4 ~ 12, 2004) and IAEA-supported Regional Workshop was opened for a standard technology transfer to Asian/Pacific biodosimetrist with IAEA specialists whose Dr. Darroudi, Dr. Blackly and Dr. Zombori in KIRAMS. (Programme: IAEA Ref. C7-RAS-0.050-001; Title: Regional Training Course on Biological Radiation Dosimetry: Dose assessment immediately and retrospectively to an occupational and accidental overexposure; Place: Korea Institute of Radiological and Medical Sciences, Seoul, Republic of Korea; Periods: April 30 ~ May 4, 2007). At 2009, KIRAMS will start to setup 'automation analysis system' for radiation biodosimetry assays and will introduce it to the other 5 laboratories.