COINS Seminar #14

“ Nanoparticle Application in Cellular Senescence: From Morphology to Molecular Evidences”

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Date: Friday, April 1, 2016
Time: 15:30pm – 16:30am (Open at 15:00pm)
Venue: 4F, Innovation Center of NanoMedicine (iCONM)
Capacity: 40 people
Registration: By E-mail to <jimukyoku-coins@kawasaki-net.ne.jp> including your “name”, “Affiliation”, “Division” and ”E-Mail address”.

—Abstract—

The growing of aged population is concerned as one of the major health and socioeconomic problems in Japan, Thailand, and worldwide. Understanding the biology of cellular aging is critical to health promotion as well as diseases treatment. Currently, many types of nanomaterials have been developed for in biomedical applications because of distinct physical, chemical, and biological properties. Nanoparticles are believed to be promising tools as novel drug delivery systems, molecular imaging, and biomarkers in the next era of medicine. In this talk, we aimed to utilize nanoparticles in probing mechanistic controls of the aged cell. Many cell types were induced by reactive oxygen species; the biomarkers of aging, beta-galactosidase and SIRTUIN1 gene expression were evaluated. Additionally, morphology of the cells after being treated with free radicals were compared to the changes of the tested biochemical biomarker were also studies.

Organizer: Center of Innovation (COI Program) by JST,
Center of Open Innovation Network for Smart Health (COINS),
Keiji ITAKAKA, R&D Theme3, Principal Research Scientist, Kawasaki Institute of Industrial Promotion, Innovation Center of NanoMedicine (iCONM) and Associate Prof., Laboratory of Clinical Biotechnology, Center for Disease Biology and Integrative Medicine, The University of Tokyo

For more information: by email to “COINS research support office” (jimukyoku-coins@kawasaki-net.ne.jp)
Web: http://coins.kawasaki-net.ne.jp/

<Venue access>
Name: Innovation Center of Nanomedicine (iCONM)

Address: 3-25-14, Tonomachi, Kawasaki-ku, Kawasaki 210-0821, JAPAN

Access by train:
Keikyu-Kawasaki Sta. to Kojima-Shinden Sta. by Keikyu-Daishi Line (ride time about 10 minutes) and Walk about 15 minutes to iCONM (See below access map)

Access by bus
"Bus stop on East Terminal at JR Kawasaki Sta."
1) No. 20 bus stop (KAWASAKI TSURUMI RINKO BUS Co.,LTD)
川 (kawa) 02 line; Tonomachi terminal, to "Tonomachi" bus stop (ride time about 30 minutes), walk about 3 minutes to iCONM from the bus stop

2) No. 20 bus stop (KAWASAKI TSURUMI RINKO BUS Co.,LTD)
川 (kawa) 02 line; Ukishima-Bashi terminal, to "King Sky Front Irigchi" (ride time about 20 minutes), walk about 5 minutes to iCONM from the bus stop
3) No. 16 bus stop (KAWASAKI TSURUMI RINKO BUS Co.,LTD)
川 (kawa) 03 line; Ukishima-bus terminal, to "King Sky Front Irigchi" (ride time about 30 minutes), walk about 5 minutes to iCONM from the bus stop

Access Map