



Department of Biotechnology
Ministry of Science and Technology
Government of India

DBT



National Institute of
Advanced Industrial Science
and Technology

AIST

DBT - AIST International Laboratory for Advanced Biomedicine



DAILAB

Classroom for Advanced & Frontier Education
CAFE

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Series - 37

Date & Time: **May 15, 2019 (3:30 JST)**
Venue: Central 5-41 2F (Meeting Room #1)
Speaker: **Kazuichi SAKAMOTO**
Affiliation: Faculty of Life & Environmental Sciences
University of Tsukuba, Japan
E-mail: sakamoto@biol.tsukuba.ac.jp



Title: Characterization and application of bio-active materials acting on protective medicine and anti-aging

The aim of our study is to characterize the natural bio-active substances (phytochemicals, plant extracts, fermented foods, and microbes, etc.) which act on health and youth by using new bio-assay system. In order to achieve health (prevention and improvement of life-style-related diseases) and youth (anti-aging, vitality), we perform the searching of natural bio-active compounds, the scientific evaluation of bio-activity of natural substances, and the development of novel bio-active materials. As well as these basic studies, we perform the application studies to develop the functional foods, bioactive materials, cosmetics, medicines and others under the collaboration with private companies.