

SACI Office of Society-Academia Collaboration for Innovation

Missions :

- to promote **collaborative research** between academia, industries and the government
- to support **business startups** by researchers and students
- to manage and utilize the university's **intellectual properties**



Director
Keisuke Makino

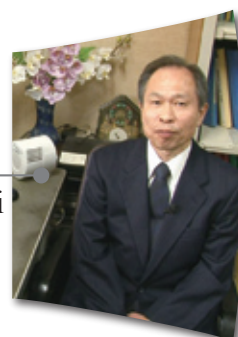
Ten New Videos on Notable R&D

SACI has released new videos on our notable R&D, now available for viewing on our website. We welcome companies to develop innovative applications for these technologies.



Development of Probe for In Vivo Molecular Imaging of β -amyloid and Tau Proteins in Alzheimer's Brain

Hideo Saji



Production of Novel β -Lactams from α -Amino Acids without Asymmetric Catalysts

Takeo Kawabata



Glycosylated Liposomes for Cell-specific Delivery of siRNA and Plasmid DNA

Mitsuru Hashida



Wireless Power Transmission and Space Solar Power Satellite/Station as Its Application

Naoki Shinohara



Lipid Sensor GPR120 Regulates Secretion of Gut Peptide Incretin Hormone GLP-1

Gozoh Tsujimoto



Find out more at www.saci.kyoto-u.ac.jp/en

Advanced Technological Development Laboratories

part of the “RAKUNAN SHINTO” urban planning project – southern Kyoto

This new research facility is scheduled to open its doors in the summer of 2013.

A place to develop chemicals of high-innovative value to bring about a highly anticipated green revolution.

Jointly initiated by Kyoto city, Kyoto University and ASTEM*, the project is funded by the METI**.



Fushimi-ku, Kyoto

*ASTEM: Advanced Scientific Technology & Management Research Institute of Kyoto

**METI: Ministry of Economy, Trade and Industry

The following three projects are the first of more to be housed and supported at this center:

Developing functional nanomaterials

Application of porous coordination polymer technologies developed in Japan and anticipated to lower costs and energy output as well as cleaner production of key chemicals, in the discovery of platinum fuel cell alternatives.

Developing newer optical and electronic materials and structural elements using technologies made possible with femtosecond lasers

Developing circuits that will allow high-performance LED lights to replace all other light sources. Utilizing femtosecond lasers in the world's first non-thermal 3 dimensional processing technologies, this is hoped to raise precision and lower costs of optical device production, which widely affects research in the environment, energy, and countless other fields.

Commercialization of a thioredoxin hybrid

Creating functional foods, cosmetic products and new medical drugs by making full use of thioredoxin; a functional protein discovered in Japan, possessing the ability to suppress inflammation of the mucous membranes in the throat or stomach, protect the skin from UV light, and alleviate allergies.

European Representative Office in London

In February 2009, Kyoto University opened its first overseas operating base in Europe, to promote the university's industry-academia collaboration activities.

The main function of the representative office is to be the base for planning and execution of international collaboration activities with leading universities and companies of the UK and other European countries.

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