

My Curriculum Vitae



Sei-ichi NISHIMOTO, Ph.D. Professor of Excited-State Hydrocarbon Chemistry Graduate School of Engineering, Kyoto University, Katsura Campus, Kyoto 615-6530, Japan Tei: 075-832-500 FAX: 075-833-2501 E-mail: nishimot@scl.kyoto-u.ac.jpl M2I: http://www.shcc.kyoto-u.ac.jpl

Born in Nara on June 6, 1947.

Born in Nara on June 6, 1947. Graduated in Engineering (Polymer Chemistry) from Kyoto University in 1970. Studied relaxation phenomena in the photo-physicochemical systems from 1970 to 1975. Appointed to a Research Associate at the Department of Hydrocarbon Chemistry in 1977. Received his Ph.D. degree from Kyoto University in 1978. Appointed to an Associate Professor in 1985. Appointed to the Professor of Excited-State Hydrocarbon Chemistry in 1993. Appointed to the Vice-President and the Dean of Graduate School of Engineering in 2006

Ever since 1998 I have taken a significant part in the ground design and foundation of Katsura Campus at the Techno-Science Hill, where the Graduate Schools of Engineering and Informatics are performing education and researches at the cutting edge of science and technology.

Currently, I am a leader of the Special Coordination Funds for Promoting Science and Technology: Creation of Innovation Centers for Advanced Interdisciplinary Research Areas: "Innovative Techno-Hub for Integrated Medical Bioimaging".





Center of Japanese Culture

Kyoto has been the center of Japanese culture and politics for more than 1,200 years.

Many overseas scholars and artists who visit to Japan prefer Kyoto as an ideal place for their own purposes, favoring Kyoto University as the base for their activities.

Kyoto University is actively involved not only in researches on traditional scholarships and basic sciences, but also researches related to cutting-edge science and technology for creating economic and social values.



KU and Natural Sciences Academic Traditions & Nobel Prize Laureates

Dr. Hideki YUKAWA Physics in 1949

Dr. Shin'ichiro TOMONAGA Physics in 1965

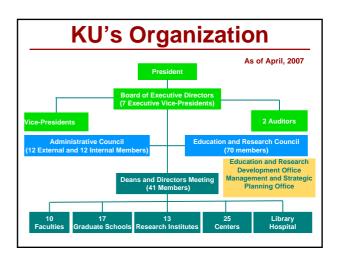
Dr. Reona ESAKI Physics in 1973

Dr. Ken'ichi FUKUI Chemistry in 1981

Dr. Susumu TONEGAWA Physiology-Medicine in 1987

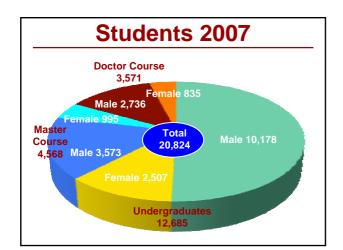
Dr. Ryoji NOYORI Chemistry in 2001 KU's Efforts of Finding Solutions to Problems in the 21st Century

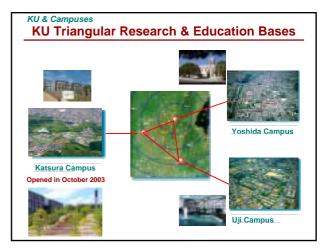


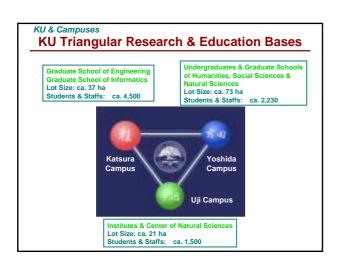


Financial Condition 2005 nit : million USD) 534.9 (38%) 20.0 (1%) 157.1 (11%) Grant for Administration from the National Government Grant for Building Construction from the National Government Grant for Repayment of Loans Sources of Revenue from Internal Sources 515.4 (37%) Tuition Fees Hospital Revenue 111.0 204.2 eous Revenues 18.0 182.3 (13%) Revenue from Joint researches & Endowments 1,409.7 (100%) Total (Unit : million USD) 778.1 (55.2%) Facilities Maintenance Costs 28.8 (2.0%) 146.2 (10.4%) 199.9 (14.2%) Joint Researches & Others Repayment of Loans Total











KU & East Asia <u>Association of East Asian Research Universities</u> AEARU was established in January 1996 by the member university presidents as a forum for leading research-oriented universities in East Asia: Objectives To exchange faculty and students. To develop common curricula and transferable credits. To share facilities, information and materials. To cooperate on research projects. To sponsor workshops and international events.



To conduct other mutual academic endeavors.



Kyoto University was honored to sponsor a Workshop for Web Technology in 1998, which is one of the major topics identified to be of special importance for the AEARU activities.

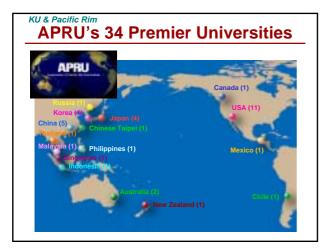
KU & Pacific Rim Association of Pacific Rim Universities

Kyoto University is a founding member of APRU that was established in June 1997:

Objectives

To strengthen cooperation in education and research by increasing mutual understanding among the member universities.

To help the member universities become more effective contributors to the development of an increasingly integrated Pacific Rim community.



APRU's Fellowship Program

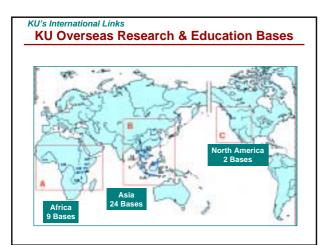
Kyoto University hosted the first APRU Fellows Program in Japan in 1999, which is a fellowship program for outstanding junior faculty members.

Seminar Series Theme:

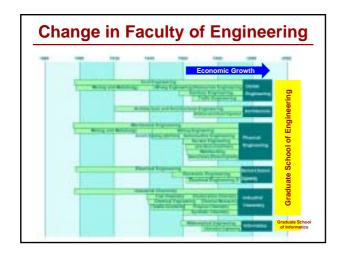
The Pacific Rim in the 21st Century

1999 Seminar Sub-theme:

Interdisciplinary Perspectives on the Asian Economic Downturn

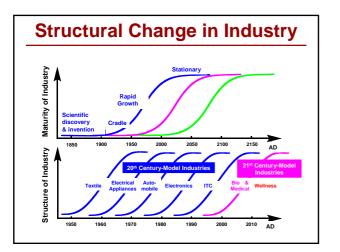




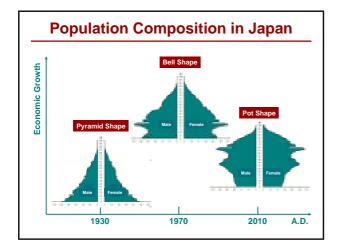


Graduate School of Engineering

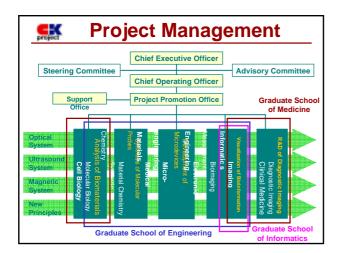
Global Engineering	•Civil and Earth Resources Engineering •Urban Management •Urban and Environmental Engineering
Architecture	Architecture and Architectural Engineering
Physical Engineering	•Mechanical Engineering and Science •Micro Engineering •Aeronautics and Astronautics •Nuclear Engineering •Materials Science and Engineering
Electrical & Electronic Engineering	•Electrical Engineering •Electronic Science and Engineering
Industrial Chemistry	•Material Chemistry •Energy and Hydrocarbon Chemistry •Molecular Engineering •Polymer Chemistry •Synthetic Chemistry and Biological Chemistry •Chemical Engineering

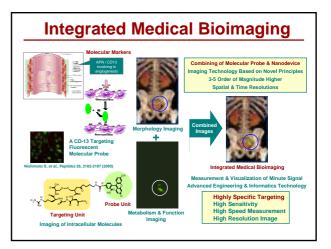














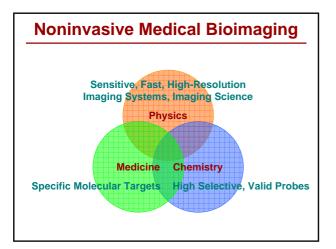
Nanotechnology & Cancer

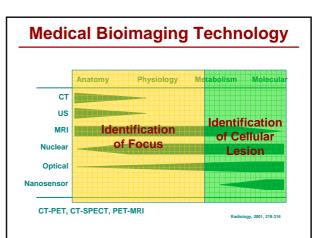
NCI Programs conducted over the past five years have supported research on novel Nanodevices that may

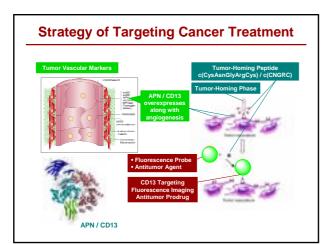
detect and <u>pinpoint</u> the location of cancer at its earliest stages,

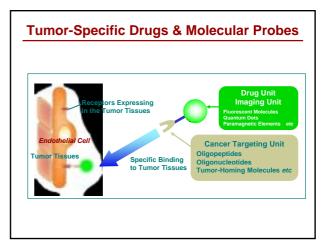
<u>deriver</u> anticancer drugs specifically to malignant cells, and

<u>determine in real-time</u> if these drugs are effective in killing malignant cells.









Tumor Molecular Address	Corresponding Deliverer
Integrin avb3, avb5	ACDCRGDCFCG, RGD-4C
Aminopeptidase N (CD13)	Cys-Asn-Gly-Arg-Cys (CNGRC)
NG2	TAASGVRSMH
MMP-9	CTTHWGFTLC
NPY	NPY-peptide

