ICR

Division of Synthetic Chemistry
Division of Materials Chemistry
Division of Biochemistry
Division of Environmental Chemistry
Division of Multidisciplinary Chemistry
Advanced Research Center for Beam Science
International Research Center for Elements Science
Bioinformatics Center

2010

Institute for Chemical Research, Kyoto University

京都大学化学研究所

Our Goal Is to Create Novel Fields of Research by Integrating the Wisdom in Our Various Research Fields. ICR at Kyoto University Continues Its Challenge to Reveal Novel Findings for the Human Society.

Preface

Director
TOKITOH, Norihiro

Institute for Chemical Research, launched in 1926 as the first research institute at Kyoto University, will celebrate its 84th anniversary in 2010, but its true roots date back to 1915 (Special Institute of Chemical Research founded at Kyoto Imperial University, College of Science for the study of special medicinal substances, "Salvarsans"). In 2004, we have reached the current large-scale organization of five research divisions and three centers. Currently, 99 faculty members and 240 graduate students are engaged in research activities in 31 laboratories supervised by full-time professors and 5 laboratories supervised by visiting professors.

The research within the Institute encompasses the fields of chemistry, physics, biology, and informatics. The chemical studies core covers fields including physical chemistry, inorganic chemistry, organic chemistry, materials chemistry, and biochemistry. The graduate schools to which our laboratories belong cover diverse fields of science, engineering, pharmaceutical sciences, agriculture, medicine, informatics, and human/environmental studies. The laboratories at the graduate schools are spearheading leading-edge research, and yielding outstanding results in their own research areas. Our founding vision is to "Excel in the Investigation of Basic Principles of Chemistry and Their Applications." This legacy continues to the present day and describes the essence of our research activities. With this vision in mind, we have entrusted our scientists to choose and pursue research topics at the forefront of advanced chemistry with bottom-up paradigms; this has resulted in substantial contributions to the development of scientific technology. Such accomplishments are proof of our vision of freedom and a bottom-up approach in chemical research. Whether or not the human race can generate sustainable growth is a key issue of the 21st century. In order to contribute to the future of our society, we encourage our scientists to be actively involved in research projects with bottom-up approach in mind, and to value the emergence of unique interdisciplinary research projects.

The Institute is currently collaborating with domestic/oversea universities and research organizations (with 45 official international collaboration agreements) and just started to function as a Joint Usage/Research Center supported by MEXT (2010-2016). In addition, the Institute participates the MEXT Project of Integrated Research on Chemical Synthesis (2010-2016) as one of the key members of core research institutions. The strong collaboration basis so far constructed in-house and also with outside ensures the institute to serve as the core of global research propellers in chemistry-oriented fields.

Finally, we appreciate your continued encouragement and support.

History

Over the 80 years of its history, ICR has continued the challenge to uncover the basis of chemistry and answer the frontier quests.

1915 Specialized Center for Chemical Research, a predecessor of Institute for Chemical Research was founded.

1926 Institute for Chemical Research (ICR) was chartered with the founding philosophy, to "Excel in the Investigation of Basic Principles of Chemistry and Their Applications."

1929 The Main Building of ICR was constructed in Takatsuki, Osaka.

1949 ICR became the first affiliated institute of Kyoto University.

1962 ICR established graduate schools to offer the advanced education for graduate students.

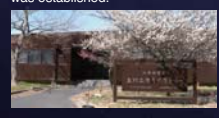
1964 The Division System was introduced. ICR organization was divided into19 research divisions and 1 satellite facility. Nuclear Science Research Facility was established in Awataguchi, Sakyo-ku, Kyoto.

1968 High-Voltage Electron Microscopy was located at Gokasho, Uji (Uji Campus). ICR was moved to Uji Campus.

1971 Low-Temperature Laboratory was established.

1983 Nucleic Acids Laboratory was built.

1985 Biotechnology Laboratory was established.



1987 The Division System was revised. ICR organization became 19 research divisions and 2 satellite facilities.

1988 Nuclear Science Research Facility was moved to Gokasho, Uji. Accelerator Laboratory and Research Building were completed.

Research

ICR is located in the Uji Campus of Kyoto University. 31 Laboratories constitute the system of “5 Research Divisions and 3 Research Centers” and more than 100 faculties and many researchers are engaging various research of science.

Novel Fields of Research in Boundary Area

Material Control for the Development of Society

Challenge and Innovation

- **Environment** — Division of Environmental Chemistry
- **New Elementary Materials** — International Research Center for Elements Science
- **Functional Materials** — Division of Synthetic Chemistry
- **Genomes** — Bioinformatics Center
- **Bioscience** — Division of Biochemistry
- **Extreme Conditions** — Advanced Research Center for Beam Science
- **Nanomaterials** — Division of Materials Chemistry
- **Integration** — Division of Multidisciplinary Chemistry


Informatics


Physics

Basic Research for the Development of Science and Technology


Organic Chemistry


Inorganic Chemistry


Biology

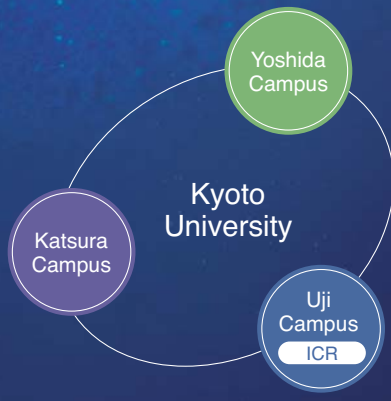
Diverse Research Fields

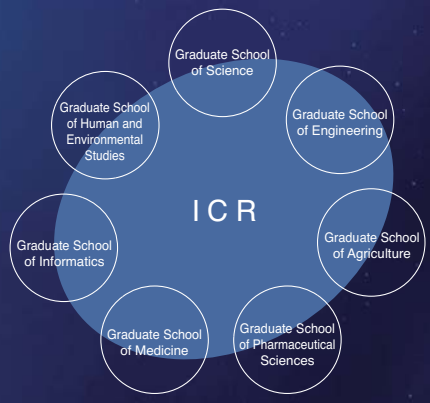
ICR = Spring of Wisdom

To Excel in the Investigation of Basic Principles of Chemistry and Their Applications (since 1926)

Education

Every laboratory in ICR is affiliated with one of the Graduate Schools and has contributions to education.





1989

High-Resolution Electron Spectromicroscope was established.

1992

ICR was reorganized into 9 research divisions and 2 satellite facilities. Supercomputer Laboratory was established.

1999

Joint Research Laboratory Building was constructed.

2000

Administration Departments of ICR and other institutes in Uji Campus were integrated.

2001

Bioinformatics Center was established.

2003

ICR was reorganized into 9 research divisions and 3 satellite facilities. International Research Center for Elements Science was established.

2004

ICR was reorganized into 5 research divisions and 3 centers. Advanced Research Center for Beam Science was established. Uji Research Building was constructed.

2005

Laser Science Laboratory was built.

2007

The Alumni Assosiation of ICR “ Hekisuikai” was inaugurated.

2009

Laboratory of Water Chemistry Energy (AGC) was endowed.

2010

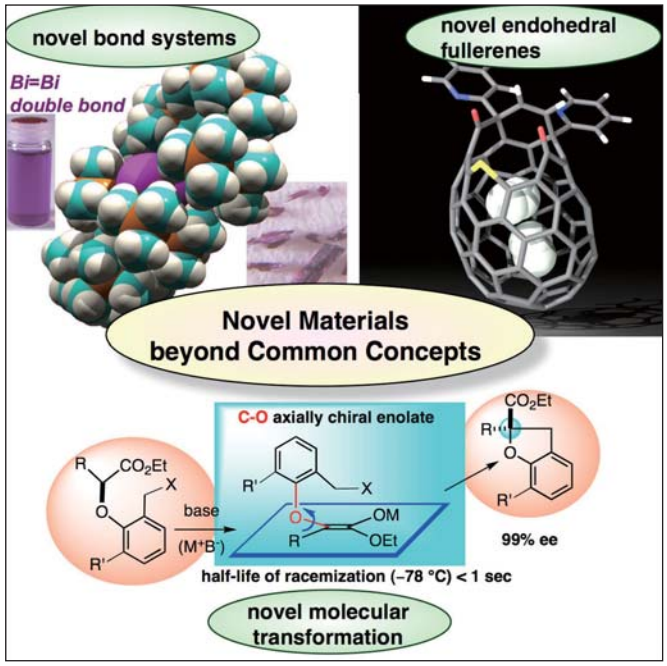
ICR started to function as a Joint Usage / Research Center.

Division of Synthetic Chemistry

Functional Materials

Research is conducted for the creation of "Novel Materials" from viewpoints irrespective of disciplines of organic and inorganic chemistry and for clarification of their structures, functions, and properties.

Original research is conducted in individual laboratories across scientific disciplines toward the creation of novel materials beyond common concepts. Clarification of structures and intrinsic properties of the novel materials are expected to provide impact in the scientific fields including material science, synthetic organic and inorganic chemistry.



Organoelement Chemistry

S Prof **TOKITOH, Norihiro** (D Sc)
Assoc Prof SASAMORI, Takahiro (D Sc)
Assist Prof MIZUHATA, Yoshiyuki (D Sc)
Techn HIRANO, Toshiko

Structural Organic Chemistry

E Prof **MURATA, Yasujiro** (D Eng)
Assoc Prof WAKAMIYA, Atsushi (D Eng)
Assist Prof MURATA, Michihisa (D Eng)

Synthetic Organic Chemistry

P Prof **KAWABATA, Takeo** (D Pharm Sc)
Assoc Prof FURUTA, Takumi (D Pharm Sc)
Assist Prof YOSHIMURA, Tomoyuki (D Pharm Sc)
Techn FUJIHASHI, Akiko

Advanced Inorganic Synthesis

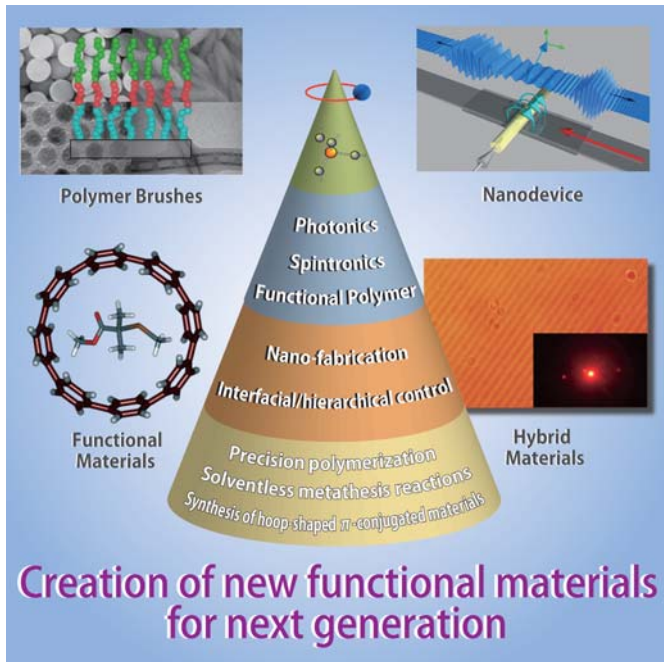
S

Division of Materials Chemistry

Nanomaterials

Creation of new functional materials for next generation by hybridization, conjugation, and integration of different materials and by nano-miniaturization.

The aim of this research area is to develop a controlled synthetic method for nano-sized macromolecules and its applications to novel precision fabrication of polymeric materials. This area also emphasizes creation and development of new functional materials by controlling electronic, photonic, and spin states through hybridization of organic-inorganic materials, creation of novel surfaces with high-density polymer brushes, development of nano-fabrication of artificial multi-layers, and utilization of size- and quantum effects.



Chemistry of Polymer Materials

E Prof **TSUJII, Yoshinobu** (D Eng)
Assoc Prof OHNO, Kohji (D Eng)

Polymer Controlled Synthesis

E Prof **YAMAGO, Shigeru** (D Sc)
Assoc Prof TSUJI, Masaki (D Eng)
Assist Prof TOSAKA, Masatoshi (D Eng)
Assist Prof NAKAMURA, Yasuyuki (D Sc)

Inorganic Photonics Materials

E Prof **YOKO, Toshinobu** (D Eng)
Assist Prof TOKUDA, Yomei (D Eng)
Assist Prof MASAI, Hirokazu (D Eng)

Nanospintronics

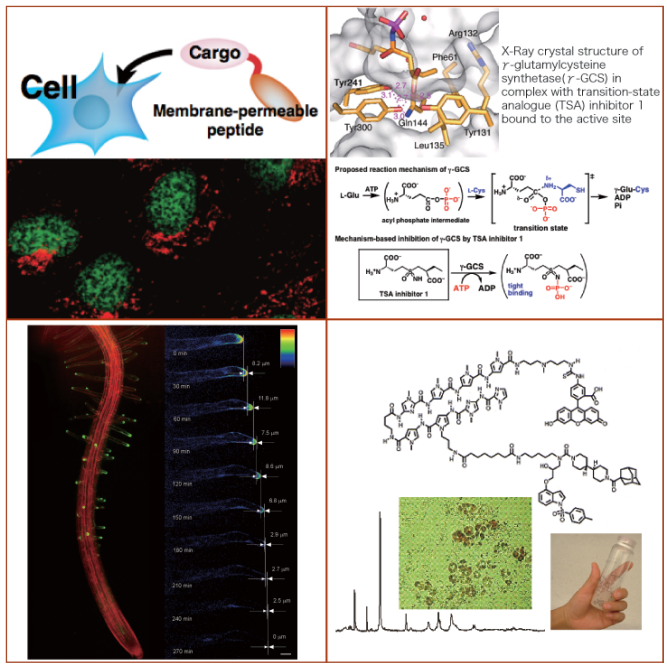
S Prof **ONO, Teruo** (D Sc)
Assoc Prof KOBAYASHI, Kensuke (D Sc)
Assist Prof CHIBA, Daichi (D Eng)
Program-Specific Assist Prof SEKIGUCHI, Koji (D Sc)
Techn KUSUDA, Toshiyuki

Division of Biochemistry

Bioscience

Biology meets Chemistry; this division elucidates the mechanisms behind intra/inter-cellular recognition, stimuli response, and biomolecular synthesis in living organisms, leading to the development of pioneering novel materials.

This division sets its goals on (i) Design and creation of bioactive peptides/proteins controlling cellular and gene functions, (ii) Chemical understanding of the reaction mechanisms and physiological significance of biocatalysts, (iii) Unveiling the framework of regulatory network between genetic programs and environmental stimulus responses in higher plants, and (iv) Discovery of bioactive small organic molecules and their use in biomedical research.



Biofunctional Design-Chemistry

P Prof **FUTAKI, Shiroh** (D Pharm Sc)
Assist Prof IMANISHI, Miki (D Pharm Sc)
Assist Prof NAKASE, Ikuhiko (D Pharm Sc)

Chemistry of Molecular Biocatalysts

A Prof **HIRATAKE, Jun** (D Agr)
Assist Prof WATANABE, Bunta (D Agr)

Molecular Biology

S Prof **AOYAMA, Takashi** (D Sc)
Assoc Prof SUGISAKI, Hiroyuki (D Sc)
Assist Prof TSUGE, Tomohiko (D Sc)
Techn YASUDA, Keiko

Chemical Biology

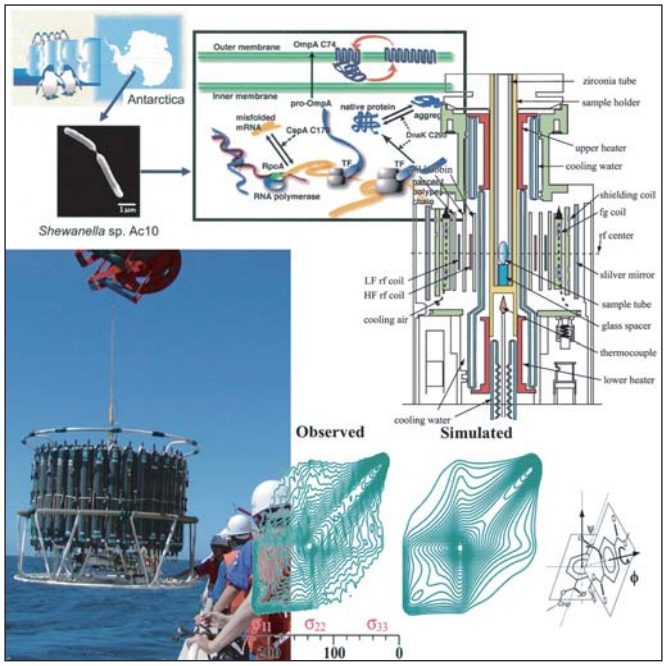
M Prof **UESUGI, Motonari** (D Pharm Sc)
Assist Prof KAWAZOE, Yoshinori (D Med Sc)
Assist Prof SHIMOGAWA, Hiroki (D Sc)

Division of Environmental Chemistry

Environment

This research group aims to contribute to the development of a sustainable society through fundamental studies such as structural characterization and dynamics of solutions and polymers, in particular under extreme conditions, biogeochemistry in the hydrosphere, and biotechnology with useful enzymes and microorganisms.

Main research subjects are as follows: (1) Synthesis, structure, and functionality of well-organized organic EL devices, organic solar-cells, and polymer materials. (2) Biogeochemistry of trace elements in the hydrosphere, Ion recognition. (3) Properties and reactions of ionic liquids and supercritical water and drug binding into membrane. (4) Physiology of extremophilic microorganisms and their applications to production of useful compounds and bioremediations. Biochemistry of trace elements.



Molecular Materials Chemistry

E Prof **KAJI, Hironori** (D Eng)
Assoc Prof GOTO, Atsushi (D Eng)
Techn OHMINE, Kyoko

Hydrospheric Environment Analytical Chemistry

S Prof **SOHRIN, Yoshiki** (D Sc)
Assoc Prof UMETANI, Shigeo (D Sc)
Assist Prof NORISUYE, Kazuhiro (D Sc)
Assist Prof FIRDAUS, Mochamad Lutfi (D Sc)
Techn MINAMI, Tomoharu (D Eng)

Solution and Interface Chemistry

S

Assoc Prof MATUBAYASI, Nobuyuki (Ph D)
Assist Prof WAKAI, Chihiro (D Sc)

Molecular Microbial Science

A

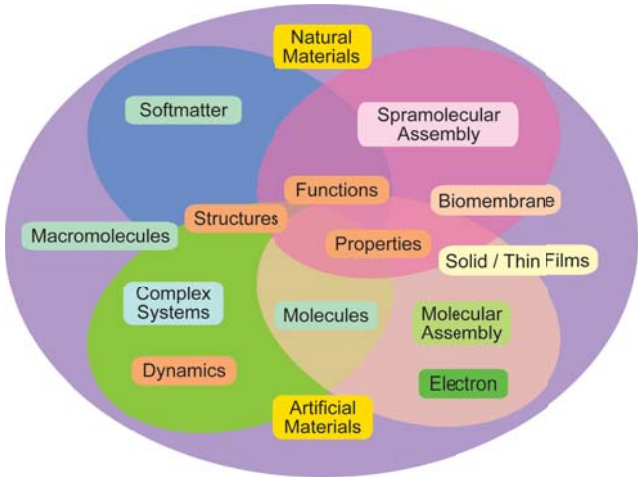
Assoc Prof KURIHARA, Tatsuo (D Eng)
Assist Prof KAWAMOTO, Jun (D Agr)

Division of Multidisciplinary Chemistry

Integration

Integrating viewpoints of science and engineering, we aim at developing basis in the interdisciplinary area among chemistry, physics, and biology. We will carry out fundamental, exploratory researches through cooperation with other divisions/centers in ICR to establish a novel aspect of the advanced materials science.

This division makes basic researches that aim to achieve molecular understanding of various phenomena of natural/artificial materials, develop an interdisciplinary view of natural science based on chemistry, and establish a new aspect of material science. The researches are being conducted with a multidisciplinary methodology through collaboration within this division as well as with the other divisions/centers in ICR.



Polymer Materials Science

E Prof **KANAYA, Toshiji** (D Eng)
Assoc Prof NISHIDA, Koji (D Eng)
Assist Prof INOUE, Rintaro (D Eng)

Molecular Rheology

E Prof **WATANABE, Hiroshi** (D Sc)
Assoc Prof MASUBUCHI, Yuichi (D Eng)
Assist Prof MATSUMIYA, Yumi (D Eng)
Program-Specific Assist Prof UNEYAMA, Takashi (D Sc)
Techn OKADA, Shinichi

Molecular Aggregation Analysis

S Prof **SATO, Naoki** (D Sc)
Assoc Prof ASAMI, Koji (D Sc)
Assist Prof YOSHIDA, Hiroyuki (D Sc)

Supramolecular Biology

S

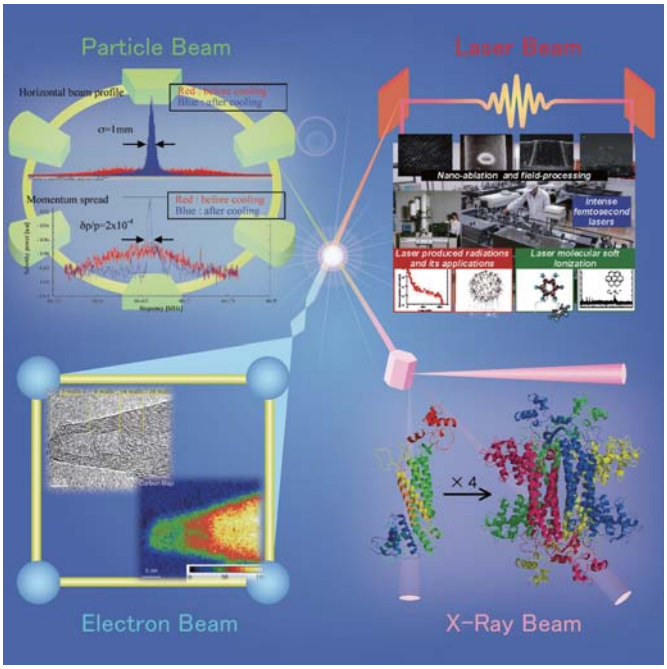
Assist Prof KATO, Utako (D Sc)

Advanced Research Center for Beam Science

Extreme Conditions

Development of new capabilities with combination of various beams, Development of new methods for space-time analysis with extreme resolution, Multidimensional analysis of functional chemical materials oriented for application, and Preparation for collaborative research scheme.

The Advanced Research Center aims at creation of advanced material science in nano space/time scale by combining various beams (particle, laser, electron and X-ray beams) to understand and control nano-space/time phenomena from physical, chemical and biological aspects. The present subjects are researches on dynamics of particle beams and improvement of their characteristics, physics of intense short pulse laser-matter interactions and its applications, high-resolution dynamical structure visualization of nano-materials, analysis of chemical reaction pathways, and dynamical analysis of vital phenomena based on molecular structures.



Particle Beam Science

S Prof **NODA, Akira** (D Sc)
Assoc Prof IWASHITA, Yoshihisa (D Sc)
Assist Prof SOUDA, Hikaru
Techn TONGU, Hiromu

Laser Matter Interaction Science

S Prof **SAKABE, Shuji** (D Eng)
Assoc Prof HASHIDA, Masaki (D Eng)
Assist Prof TOKITA, Sigeki (D Eng)

Electron Microscopy and Crystal Chemistry

S

Assoc Prof KURATA, Hiroki (D Sc)
Assist Prof OGAWA, Tetsuya (D Sc)
Assist Prof NEMOTO, Takashi (D Sc)

Structural Molecular Biology

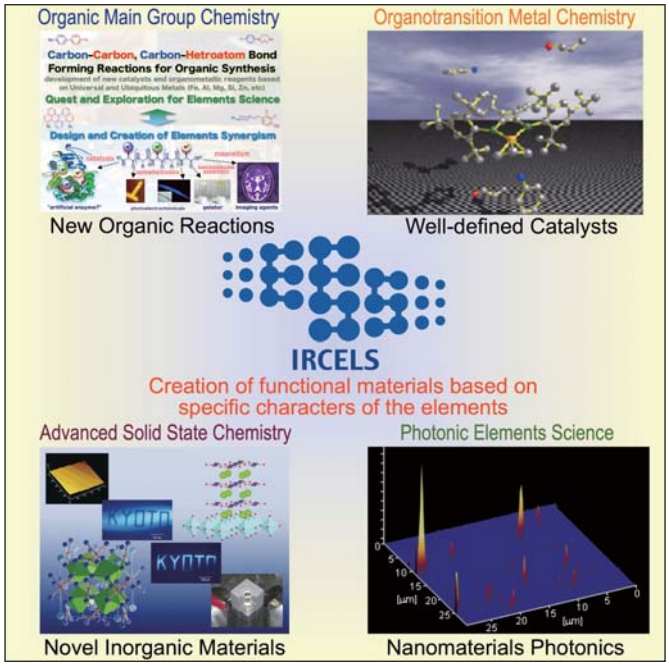
H Prof **HATA, Yasuo** (D Sc)
Assoc Prof ITO, Yoshiaki (D Sc)
Assist Prof FUJII, Tomomi (D Sc)

International Research Center for Elements Science

New Elementary Materials

Proposal of a guideline for the creation of novel elementary materials through uncovering the role of key elements which determine the functions of materials.

Our research interests are centered on the development of Elements Science for creation of new functional materials and innovative chemical transformations. We are trying to design and synthesize new inorganic and organic compounds and to seek for their new functionalities from the viewpoints of fundamental science and industrial applications.



Organic Main Group Chemistry

E Prof **NAKAMURA, Masaharu** (D Sc)
Assoc Prof TAKAYA, Hikaru (D Eng)
Assist Prof HATAKEYAMA, Takuji (D Sc)

Advanced Solid State Chemistry

S Prof **SHIMAKAWA, Yuichi** (D Sc)
Assoc Prof AZUMA, Masaki (D Sc)
Assist Prof KAN, Daisuke (D Sc)
Assist Prof SAITO, Takashi (D Sc)
Program-Specific Assist Prof ICHIKAWA, Noriya (D Eng)

Organotransition Metal Chemistry

E Prof **OZAWA, Fumiyuki** (D Eng)
Assist Prof NAKAJIMA, Yumiko (D Eng)

Photonic Elements Science

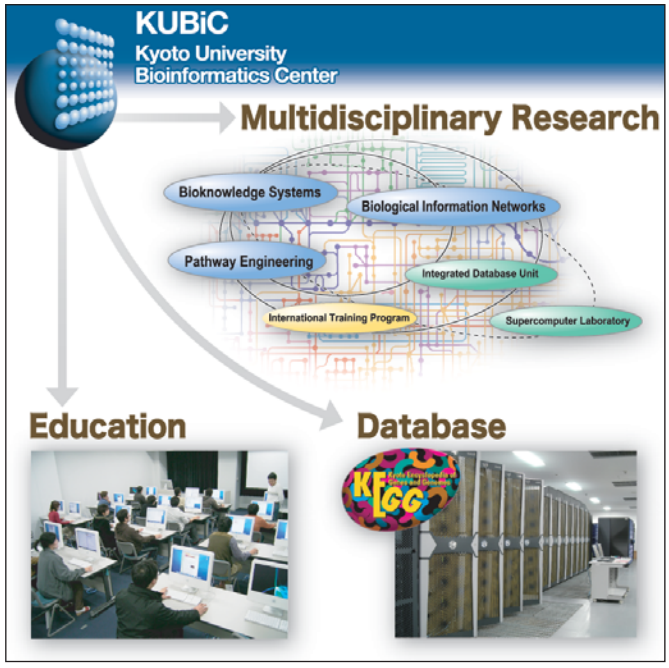
S Prof **KANEMITSU, Yoshihiko** (D Eng)
Assoc Prof MATSUDA, Kazunari (D Eng)
Assist Prof TAYAGAKI, Takeshi (D Sc)
Program-Specific Assist Prof YAMADA, Yasuhiro (D Sc)

Bioinformatics Center

Genomes

Our laboratories promote research in Bioinformatics and the development of the foundation for an integrated and extensive resource for the Bioscience.

In order to understand and utilize the information encoded in the genome, a blueprint of life, it is necessary to develop both state-of-the-art informatics technologies and excellent human resources. The Bioinformatics Center is involved in basic research on the analysis of genomic and molecular information towards understanding design principles of the biological systems, applications of bioinformatics methods to pharmaceutical and medical sciences, development of the KEGG database for deciphering the genome, and bioinformatics education and training of young scientists.



Bioknowledge Systems

S P Prof **KANEHISA, Minoru** (D Sc)
Assoc Prof GOTO, Susumu (D Eng)
Program-Specific Assist Prof TOKIMATSU, Toshiaki (D Agr)
Program-Specific Assist Prof KOTERA, Masaaki (D Sc)

Biological Information Networks

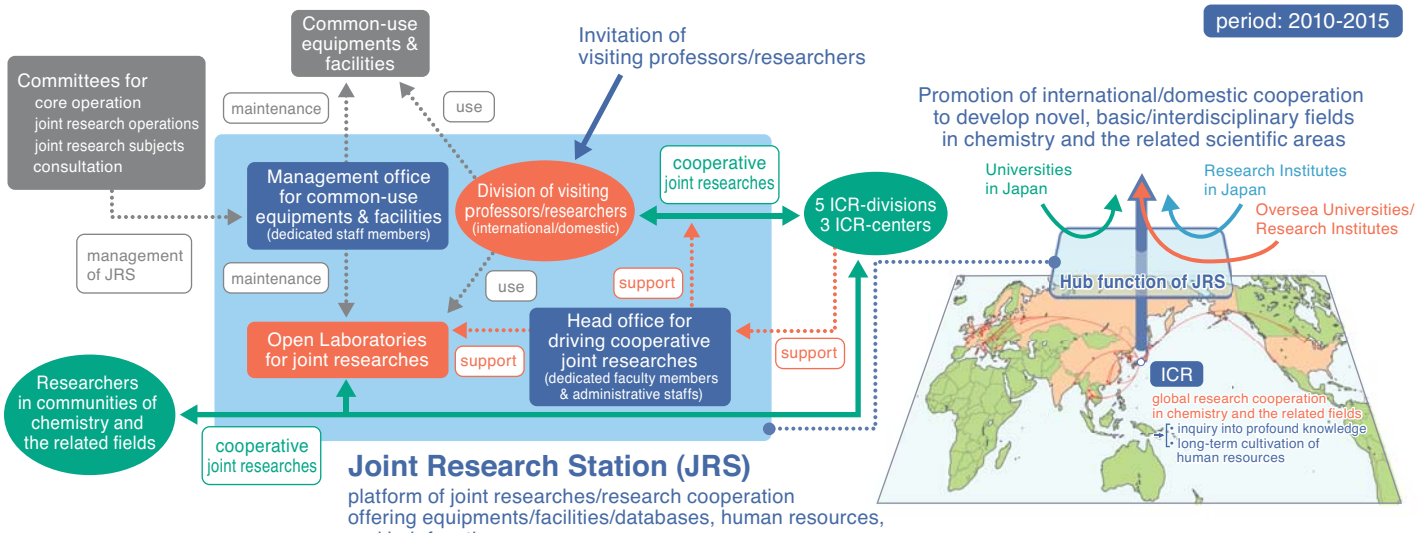
I Prof **AKUTSU, Tatsuya** (D Eng)
Assist Prof HAYASHIDA, Morihiro (D Inf)
Assist Prof TAMURA, Takeyuki (D Inf)

Pathway Engineering

P Prof **MAMITSUKA, Hiroshi** (D Sc)
Assist Prof TAKIGAWA, Ichigaku (D Eng)
Assist Prof SHIGA, Motoki (D Eng)

Frontier/Interdisciplinary Research Core in ICR for Deepening Investigation and Promoting Cooperation in Chemistry-Oriented Fields

period: 2010-2015



Joint Research Station (JRS)

platform of joint researches/research cooperation offering equipments/facilities/databases, human resources, and hub function

Visiting Professors

Division of Materials Chemistry, Inorganic Photonics Materials
Prof **FUJIWARA, Takumi**
Professor, Graduate School of Engineering, Tohoku University

Division of Environmental Chemistry, Molecular Materials Chemistry
Prof **ADACHI, Chihaya**
Professor, Center for Future Chemistry, Kyushu University

Advanced Research Center for Beam Science, Laser Matter Interaction Science
Prof **AWAZU, Kunio**
Professor, Graduate School of Engineering, Osaka University

Bioinformatics Center, Pathway Engineering
Prof **ASAI, Kiyoshi**
Professor, Graduate School of Frontier Sciences, The University of Tokyo

Division of Synthetic Chemistry, Synthetic Organic Chemistry
Assoc Prof **ARAI, Midori**
Associate Professor, Graduate School of Pharmaceutical Sciences, Chiba University

Division of Biochemistry, Molecular Biology
Assoc Prof **HAYASHI, Ken-ichiro**
Associate Professor, Faculty of Science, Okayama University of Science

Division of Multidisciplinary Chemistry, Polymer Materials Science
Assoc Prof **MATSUBA, Go**
Associate Professor, Graduate School of Science and Engineering, Yamagata University

International Research Center for Elements Science, Advanced Solid State Chemistry
Assoc Prof **HAYASHI, Katsuro**
Associate Professor, Materials and Structures Laboratory,Tokyo Institute of Technology

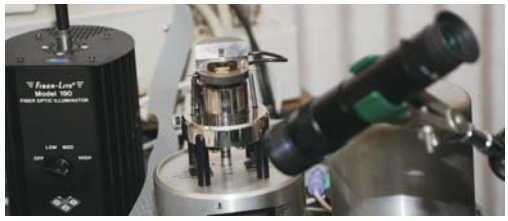
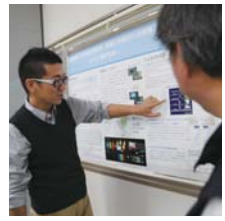
Endowed Research Section

The Division of Water Chemistry Energy (AGC)
has been opened in April 2009, donated by Asahi Glass Co., Ltd. (AGC).

The research aim is to develop new earth-friendly technology in order to reduce the green-house gas CO_2 emission that can induce some climate changes. Hydrogen is an ultimately clean fuel needed for efficient fuel cells. However, the drawback of the hydrogen fuel arises from the low liquefaction temperature. This results in a high cost and delays the realization of the clean hydrogen age. Fuel compactness and fluidity, as attained in the liquid state, are necessary for the low-cost transportation and storage. This can be overcome by taking advantage of formic acid that is found as an intermediate in the well-known water-gas shift reaction: $CO + H_2O \Leftrightarrow HCOOH \Leftrightarrow CO_2 + H_2$. The group engaged in this mission consists of Masaru Nakahara (visiting professor), Yasuo Tsujino, (specially assigned assistant professor) and Akira Isobe (visiting researcher from AGC).

Water Chemistry Energy (AGC)
Visiting Prof
NAKAHARA, Masaru (D Sc)

Program-Specific Assist Prof
TSUJINO, Yasuo






Our Vision

The founding philosophy of the Institute for Chemical Research is to "Excel in the Investigation of Basic Principles of Chemistry and Their Applications." Research is grounded on the core values of freedom, independence, and harmony. As a key part of Kyoto University, the institute is committed to contributing to the harmonious development of the global community by solving fundamental chemical issues.

1. Research

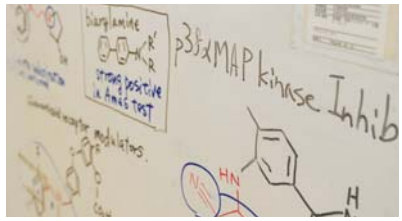
We regard chemistry as a broad area of the natural sciences, and strive for balanced development: the platform of basic research into the true nature of matter serves as a foothold for more applied studies that strive to be flexible and responsive to the challenges of our global society.

2. Education

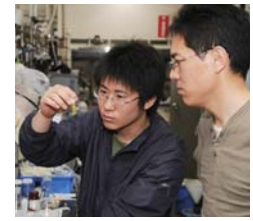
Through research in an integrated environment of world-class laboratories, we aim to train and develop talented people with broad experience and a high level of problem solving skills, capable of providing leadership towards the harmonious development of the global community.

3. Relationship with Society

As researchers and educators of chemistry, we endeavor to deepen our exchanges with local communities and the Japanese society. We envision contributing to solving global problems through active scientific exchange with international researchers and institutions. Lastly, we commit to our accountability to society through internal review and information disclosure.





SCIENCE FOR SCIENCE
AND SCIENCE FOR SOCIETY

Research Project

As of April 2010

Research and Education Funding

Inter-University Network for Common Utilization of Research Equipments

■ Representative from ICR : FUTAKI, Shiroh / Term : 2007-2011

Joint Usage / Research Center : Frontier/Interdisciplinary Research Core in ICR for Deepening Investigation and Promoting Cooperation in Chemistry-Oriented Fields

■ Representative from ICR : TOKITOH, Norihiro / Term : 2010-2015

MEXT Project of Integrated Research on Chemical Synthesis

Joint Project with CRC (Hokkaido Univ), RCMS (Nagoya Univ), IMCE (Kyushu Univ)

■ Representative from ICR : OZAWA, Fumiyuki / Term : 2010-2015

Global COE Programs

International Center for Integrated Research and Advanced Education in Materials Science

Joint Program with Graduate School of Science and Graduate School of Engineering

■ Representative from ICR : TOKITOH, Norihiro / Term : 2007-2011

Center of Excellence for Education and Research on Photonics and Electronics Science and Engineering

Joint Program with Graduate School of Engineering and Graduate School of Informatics

■ Representative from ICR : KANEMITSU, Yoshihiko / Term : 2007-2011

The Next Generation of Physics, Spun from Universality & Emergence Developing Independent Researchers to Explore New Frontiers

Joint Program with Graduate School of Science (Division of Physics and Astronomy), Kwasan and Hida Observatories, YITP and Research Center for Low Temperature and Materials Sciences

■ Representative from ICR : SAKABE, Shuji / Term : 2008-2012

Open Advanced Facilities Initiative for Innovation

Kyoto-Advanced Nanotechnology Network

Joint Program with Kyoto University, JAIST and NAIST

■ Representative from ICR : SHIMAKAWA, Yuichi / Term : 2007-2011

Special Coordination Funds for Promoting Science and Technology

Creation of Innovation Centers for Advanced Interdisciplinary Research Areas : Photo-Medical Valley

Joint Project among JAEA/KPSI (The Core Institute), 10 Collaborative Industries - in cooperation with ICR and Graduate School of Medicine (Kyoto Univ.), ILE (Osaka Univ.), NIRS, Graduate School for the Creation of New Photonics Industries, Doshisha University and other institutions.

■ Representative from ICR : NODA, Akira / Term : 2007-2016

Grants-in-Aid for Creative Scientific Research

Strategic State-of-the-Art Solid State Chemistry for New Functional Materials : Exploring for New Multi-Functional Materials

■ Research Leader : SHIMAKAWA, Yuichi / Term : 2007-2011

BIRD Grant Program

Deciphering Systemic Biological Functions by Integration of Genomic and Environmental Information

■ Research Leader : KANEHISA, Minoru / Term : 2006-2010

JSPS International Training Program

International Research and Training Program on Bioinformatics and Systems Biology

■ Program Director : KANEHISA, Minoru / Term : 2009-2013

Integrated Database Project

Hierarchical Structuring and Integration of Knowledge in Life Sciences

■ Research Leader : GOTO, Susumu / Term : 2007-2010

Human Resource in ICR

University Staff

The number in ( ) represents Visiting Professors.

Professor	Associate Professor	Assistant Professor	PS* Assistant Professor	Technician	PS* Researcher	Sub-total	Researcher**	Other Staff	Sub-total	Total
26	22	36	7	8	10	109	20	35	55	164
(5)	(4)					(9)				(9)

*PS: Program Specific ** from Japan and foreign countries As of August 1, 2010

Researchers(PD) from Foreign Countries

Australia	1	China, P. R.	5	Egypt	1	Indonesia	1
Korea, R.	2	Poland	1	Spain	2	Sri Lanka	1
Taiwan	1	Thailand	1	Vietnam	1	Total	17

As of July 1, 2010

Research Students, Fellows and Associates

Research Student	Research Fellow	Postdoctoral Fellow of JSPS	Research Associate	Total
3	3	1	8	15

As of May 1, 2010

Graduate Students

The number in ( ) represents students from foreign countries.

	Science	Engineering	Agriculture	Pharmaceutical Sc.	Medicine	Informatics	Human & Envirnmntl. Studies	Total
Master's Course	44	45	13	17	1	7	3	130
	(1)	(2)	(1)	(3)		(3)		(10)
Doctoral Course	42	22	11	22	2	4	1	104
	(2)	(3)	(6)	(4)	(1)	(1)		(17)
Total	86	67	24	39	3	11	4	234
	(3)	(5)	(7)	(7)	(1)	(4)		(27)

As of May 1, 2010

Graduate Students from Foreign Countries

China, P. R.	13	Egypt	1	France	1	India	1
Iran	1	Korea, R.	2	Nepal	1	Philippines	1
Taiwan	3	Thailand	1	Turkey	1	Vietnam	1
						Total	27

As of May 1, 2010

Visitors from Foreign Countries in 2009

Argentine	1	Australia	1	Belgium	1	Canada	2
China, P. R.	19	Czech	7	France	24	Germany	11
Iceland	1	India	2	Israel	2	Italy	3
Korea, R	6	Netherlands	1	Poland	1	Russia	2
Singapore	4	Spain	3	Sweden	4	Taiwan	9
Thailand	4	UK	6	USA	13	Total	127
						From 23 countries	

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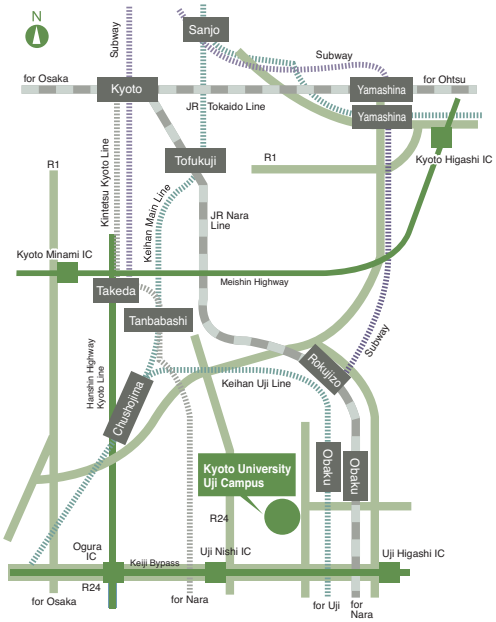

Access

From Obaku Station on the JR Nara Line: 7min by walk
(from Kyoto Station to Obaku Station: 25min)
From Obaku Station on the Keihan Uji Line: 10min by walk
(from Keihan-Sanjo Station to Obaku Station: 35min)
From Kyoto-Minami IC: 20min by car
From Uji-Higashi IC: 10min by car / From Uji-Nishi IC: 10min by car

The latest information of ICR is on the web http://www.kuicr.kyoto-u.ac.jp