



2012
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
SATO, Naoki

Institute for Chemical Research, launched in 1926 as the first research institute at Kyoto University, commemorates its 86th anniversary this autumn, but its true roots date back to 1915 (Specialized center for chemical research founded at Kyoto Imperial University, College of Science for the study of special medicinal substance, “Salvarsan,” that is, arsphenamine). Our founding vision at the time of foundation above is to “Excel in the Investigation of Basic Principles of Chemistry and Their Applications.” We have reached the current large-scale organization of five research divisions and three centers. Currently, about 100 faculty members, 210 graduate students and 50 researchers are engaged in research activities in 32 laboratories supervised by full-time professors. Further we have 5 laboratories supervised by visiting professors and an endowed laboratory.

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, agriculture, pharmaceutical sciences, medicine, informatics, and human/environmental studies. These laboratories are spearheading leading-edge research, and yielding outstanding results in their own research areas. The legacy of our founding vision 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 maintain sustained growth is a key issue of this century. Moreover, we must recover from the Great East Japan Earthquake and reform our country from various perspectives in Japan. Hence, we encourage our scientists to be actively involved in research projects with bottom-up approach in mind, and to value the development of unique interdisciplinary research projects, in order to contribute to the future of our society from materials-related fields.

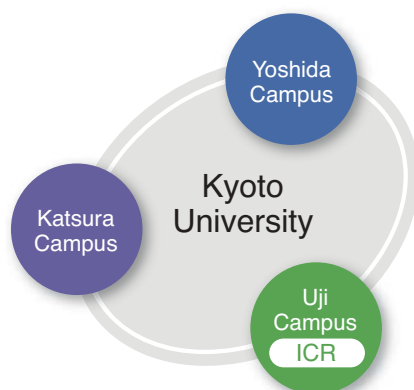
The Institute is currently collaborating with domestic/oversea universities and research organizations (with more than 50 official international collaboration agreements) and is functioning as a Joint Usage/Research Center proclaiming the Frontier/Interdisciplinary Research Core for Deeping Investigation and Promoting Cooperation in Chemistry-Oriented Fields supported by MEXT (2010-2016). In addition, the Institute participates in the MEXT Project of Integrated Research on Chemical Synthesis (2010-2016) as one of the key members of core research institutions. Besides, we also fully strive to fostering and securing of young researchers through these activities as well as graduate education mentioned above. 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 would appreciate your continued encouragement and support.

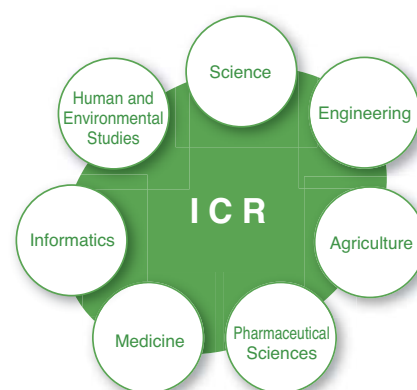
Naoki Sato

Education

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



3 Campuses of Kyoto University



Education in the Graduate Schools

Research

ICR is located in the Uji Campus of Kyoto University. 32 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.



Organic Chemistry



Inorganic Chemistry



Biology



Physics



Informatics

Challenge and Innovation

Novel Fields of Research in Boundary Area

Material Control for the Development of Society

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

Basic Research for the Development of Science and Technology

Diverse Research Fields
ICR = Spring of Wisdom

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

History

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

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 into 19 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.

1975 Biotechnology Laboratory and Central Computer Facility were established.

1983 Nucleic Acids Laboratory was built.



1985 Biotechnology Laboratory was established.

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



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.

2002 Laboratory of Proteome Informatics (SGI Japan) was endowed. (It has finished on March, 2005.)

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 Association of ICR "Hekisuikai" was inaugurated.

2009 Laboratory of Water Chemistry Energy (AGC) was endowed. (It has finished on March, 2012.)



2010 ICR started to function as a Joint Usage / Research Center.

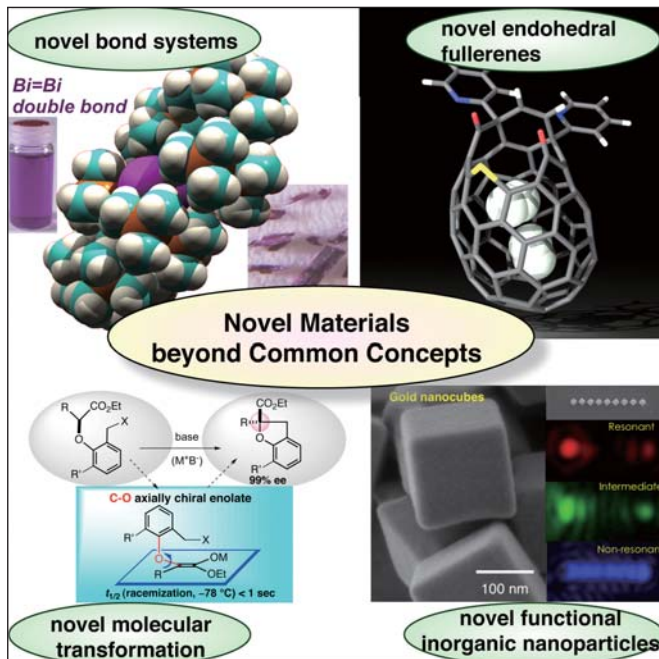
2011 Laboratory of Nano-Interface Photonics (SEI Group CSR Foundation) was endowed. Bioinformatics Center was reorganized.

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)
Assist Prof AGOU, Tomohiro (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 Prof **TERANISHI, Toshiharu** (D Eng)
Assist Prof SAKAMOTO, Masanori (D Eng)
Assist Prof SATO, Ryota (D Sc)

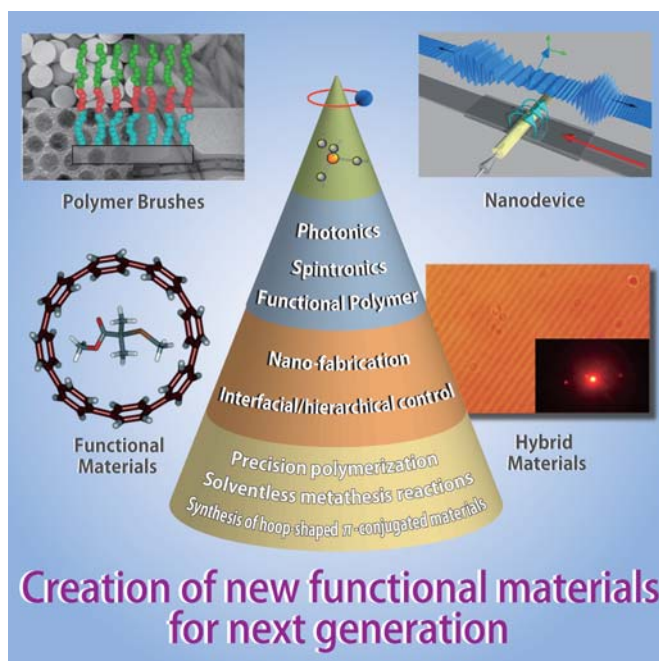


Division of Materials Chemistry

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)
Assist Prof SAKAKIBARA, Keita (D Agr)



Polymer Controlled Synthesis

E Prof **YAMAGO, Shigeru** (D Sc)
Assist Prof TOSAKA, Masatoshi (D Eng)
Assist Prof NAKAMURA, Yasuyuki (D Sc)
Assist Prof KAYAHARA, Eiichi (D Eng)



Inorganic Photonics Materials

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



Nanospintronics

S Prof **ONO, Teruo** (D Sc)
Assoc Prof CHIBA, Daichi (D Eng)
Techn KUSUDA, Toshiyuki

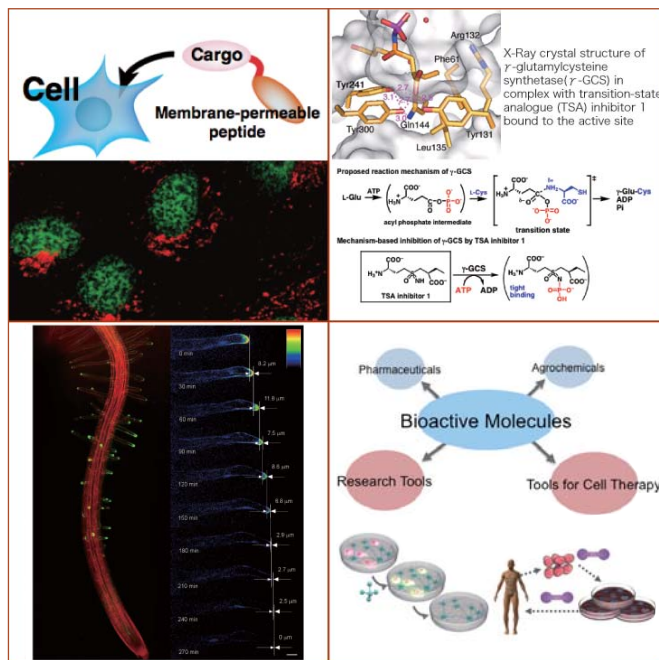


Division of Biochemistry

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 new bioactive organic molecules and their new use.



Bifunctional 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)
Assist Prof KOEDUKA, Takao (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 SHIMOGAWA, Hiroki (D Sc)

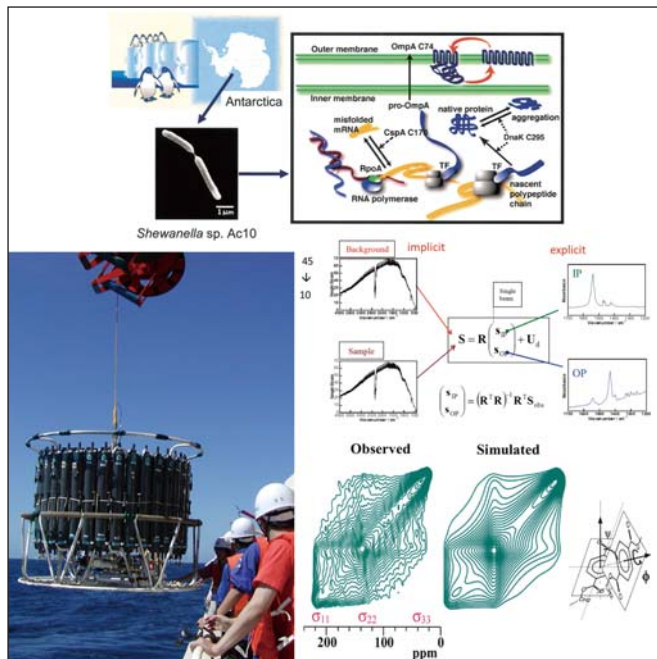


Division of Environmental Chemistry

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, biogeochemistry in the hydrosphere, and biotechnology with useful enzymes and microorganisms.

Main research subjects are as follows: (1) Syntheses, 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) Structural analysis of functionalized ultrathin films and molecules at an interface using vibrational spectroscopy coupled with multivariate analysis, and intermolecular interactions in solution with nanoscale inhomogeneity and/or tunable reactivity. (4) Physiology of extremophilic microorganisms and their applications to production of useful compounds and bio-remediations. Biochemistry of trace elements.

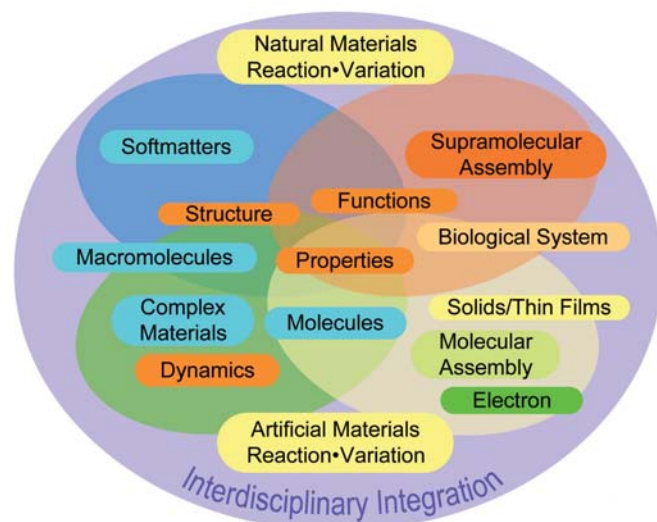


Division of Multidisciplinary Chemistry

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 integration 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.

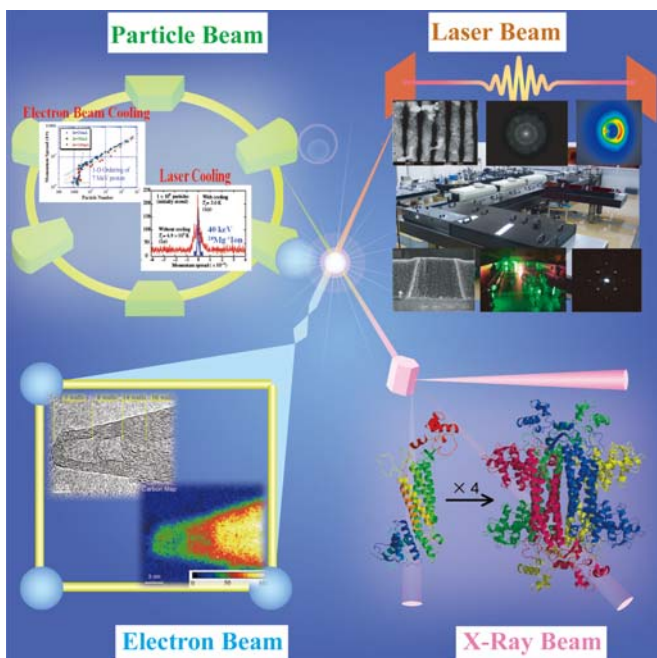


Advanced Research Center for Beam Science

Extreme Conditions

Development of new capabilities with combination of various beams, Development of new methods for space-time analysis with extreme resolution, Multi-dimensional 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.



Molecular Materials Chemistry

Prof. **KAJI, Hironori** (D Eng)
 Assoc Prof. GOTO, Atsushi (D Eng)
 Techn. OHMINE, Kyoko
 Techn. MAENO, Ayaka



Hydropheric Environment Analytical Chemistry

Prof. **SOHRIN, Yoshiki** (D Sc)
 Assoc Prof. UMETANI, Shigeo (D Sc)
 Assit Prof. NORISUYE, Kazuhiro (D Sc)
 Techn. MINAMI, Tomoharu (D Eng)



Solution and Interface Chemistry

Prof. **HASEGAWA, Takeshi** (D Sc)
 Assoc Prof. MATUBAYASI, Nobuyuki (Ph D)
 Assit Prof. WAKAI, Chihiro (D Sc)
 Assit Prof. SHIMOAKA, Takafumi (D Sc)



Molecular Microbial Science

Prof. **KURIHARA, Tatsuo** (D Eng)
 Assit Prof. KAWAMOTO, Jun (D Agr)



Polymer Materials Science

Prof. **KANAYA, Toshiji** (D Eng)
 Assoc Prof. NISHIDA, Koji (D Eng)
 Assit Prof. INOUE, Rintaro (D Eng)



Molecular Rheology

Prof. **WATANABE, Hiroshi** (D Sc)
 Assoc Prof. MASUBUCHI, Yuichi (D Eng)
 Assit Prof. MATSUMIYA, Yumi (D Eng)
 Techn. OKADA, Shinichi*
 *Re-employed Staff



Molecular Aggregation Analysis

Prof. **SATO, Naoki** (D Sc)
 Assoc Prof. ASAMI, Koji (D Sc)
 Assit Prof. YOSHIDA, Hiroyuki (D Sc)
 Assit Prof. MURDEY, Richard (Ph D)



Supramolecular Biology

S

Interdisciplinary Chemistry for Innovation

Prof. **TOSHIMITSU, Akio** (D Eng)



Particle Beam Science

Prof. **NODA, Akira** (D Sc)
 Assoc Prof. IWASHITA, Yoshihisa (D Sc)
 Assit Prof. SOUDA, HIKARU
 Techn. TONGU, Hiromu



Laser Matter Interaction Science

Prof. **SAKABE, Shuji** (D Eng)
 Assoc Prof. HASHIDA, Masaki (D Eng)
 Assit Prof. TOKITA, Shigeki (D Eng)



Electron Microscopy and Crystal Chemistry

Prof. **KURATA, Hiroki** (D Sc)
 Assit Prof. OGAWA, Tetsuya (D Sc)
 Assit Prof. NEMOTO, Takashi (D Sc)



Structural Molecular Biology

Prof. **HATA, Yasuo** (D Sc)
 Assoc Prof. ITO, Yoshiaki (D Sc)
 Assit Prof. FUJII, Tomomi (D Sc)
 Assit Prof. YAMAUCHI, Takae (D Agr)



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
 Carbon-Carbon, Carbon-Hydrogen Bond Forming Reactions for Organic Synthesis
 development of new catalysts and organometallic reagents based on Group 10 and 11 transition metals (Pt, Au, Ag, Pd, Rh)
 Quest and Exploration for Elements Science
 Design and Creation of Elements Synergism

Organotransition Metal Chemistry
 Well-defined Catalysts

Advanced Solid State Chemistry
 Novel Inorganic Materials

Photonic Elements Science
 Nanomaterials Photonics

IRCELS
 Creation of functional materials based on specific characters of the elements

Organic Main Group Chemistry

E Prof. **NAKAMURA, Masaharu** (D.Sc.)
 Assoc. Prof. **TAKAYA, HIKARU** (D.Eng.)
 Assistent Prof. **HATAKEYAMA, Takuji** (D.Sc.)
 PS* Assistent Prof. **ISOZAKI, Katsuhiro** (D.Eng.)



Advanced Solid State Chemistry

S Prof. **SHIMAKAWA, Yuichi** (D.Sc.)
 Assistent Prof. **KAN, Daisuke** (D.Sc.)
 Assistent Prof. **SAITO, Takashi** (D.Sc.)
 PS* Assistent Prof. **ICHIKAWA, Noriya** (D.Eng.)



Organotransition Metal Chemistry

E Prof. **OZAWA, FumiYuki** (D.Eng.)
 Assistent Prof. **NAKAJIMA, Yumiko** (D.Eng.)
 Assistent Prof. **WAKIOKA, Masayuki** (D.Eng.)



Photonic Elements Science

S Prof. **KANEMITSU, Yoshihiko** (D.Eng.)
 Assoc. Prof. **TAYAGAKI, Takeshi** (D.Sc.)
 Assistent Prof. **IHARA, Toshiyuki** (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.

KUBiC
 Kyoto University Bioinformatics Center

Multidisciplinary Research

- Chemical Life Science
- Mathematical Bioinformatics
- Bio-Knowledge Engineering
- GenomeNet Project Management Office

Education

Database
 KEGG

Chemical Life Science

S P
 Assoc. Prof. **GOTO, Susumu** (D.Eng.)
 PS* Assistent Prof. **TOKIMATSU, Toshiaki** (D.Agr.)
 PS* Assistent Prof. **KOTERA, Masaaki** (D.Sc.)

Mathematical Bioinformatics

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



Bio-knowledge Engineering

P Prof. **MAMITSUKA, Hiroshi** (D.Sc.)
 Assistent Prof. **HANCOCK, Timothy Peter** (Ph.D.)
 Assistent Prof. **KARASUYAMA, Masayuki** (D.Eng.)

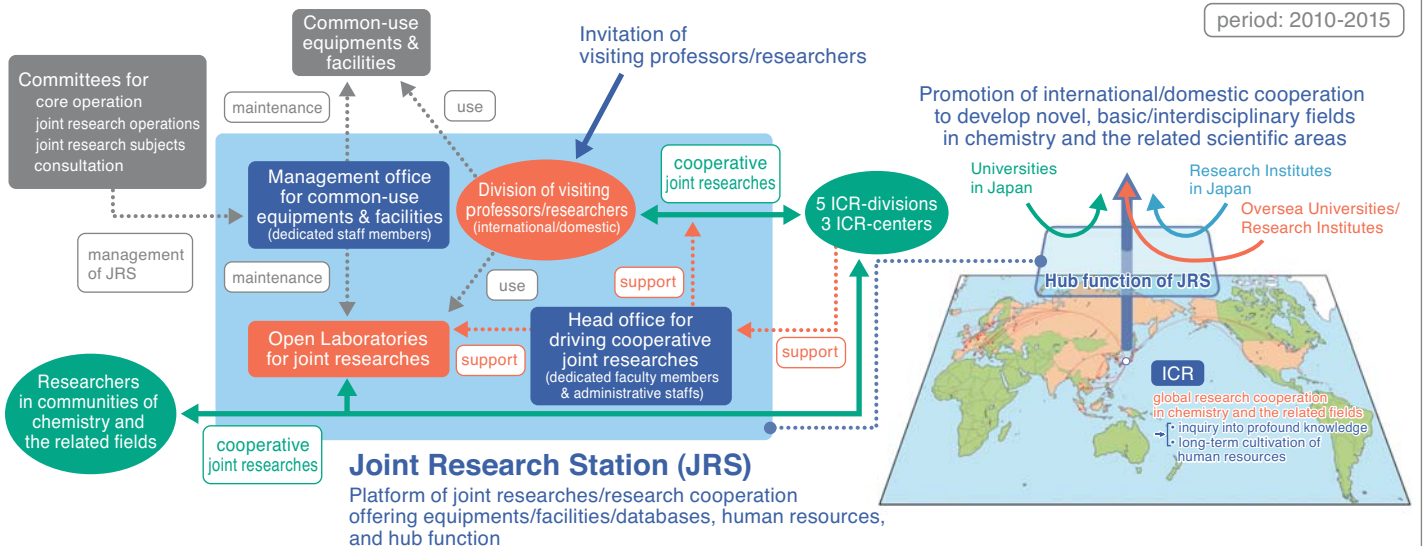


GenomeNet Project Management Office

Prof. **MAMITSUKA, Hiroshi** (D.Sc.)

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

period: 2010-2015



Visiting Professor from International Country

Division of Multidisciplinary Chemistry,
Molecular RheologyProf
LIKHTMAN, AlexeyApril-June, 2012
Professor, University of Reading, UK

Visiting Professors

Division of
Materials Chemistry,
NanospintronicsProf **NITTA, Junsaku**Professor, Graduate School of Engineering,
Tohoku UniversityDivision of
Environmental Chemistry,
Solution and Interface ChemistryProf **OSAWA, Masatoshi**Professor, Catalysis Research Center,
Hokkaido UniversityAdvanced Research Center
for Beam Science,
Particle Beam ScienceProf **NODA, Koji**Director, Dept. of Accelerator and Medical Physics,
Research Center for Charged Particle Therapy, NIRSBioinformatics Center,
Bio-knowledge EngineeringProf **TOMITA, Masaru**Professor, Faculty of Environment and
Information Studies, Keio UniversityDivision of
Synthetic Chemistry,
Advanced Inorganic SynthesisAssoc Prof **FURUBE, Akihiro**Senior Researcher, National Institute of
Advanced Industrial Science and TechnologyDivision of Biochemistry,
Molecular BiologyAssoc Prof **SATO, Moritoshi**Associate Professor, Graduate School of
Arts and Sciences, The University of TokyoDivision of
Multidisciplinary Chemistry,
Molecular RheologyAssoc Prof **TAKANO, Atsushi**Associate Professor, Graduate School of
Engineering, Nagoya UniversityInternational Research Center
for Elements Science,
Organic Main Group ChemistryAssoc Prof **OHKI, Yasuhiro**Associate Professor, Graduate School of
Science, Nagoya University

Endowed Research Section

Division of Nano-Interface Photonics (SEI Group CSR Foundation)

has been opened in April 2011, donated by Sumitomo Electric Industries Group CSR Foundation.

Our research aim is to open up new research field of nanomaterials science, by focusing on nano-interface as a platform to develop novel optical functionalities. We study optical properties of semiconductor nanomaterials, leading to new solar energy conversion technologies.

Nano-Interface Photonics (SEI Group CSR Foundation)

PS* Assoc Prof YAMADA, Yasuhiro
PS* Assist Prof OKANO, Makoto
Prof (Reporting Faculty Member) KANEMITSU, Yoshihiko

Hakubi Project to Foster and Support Young Researchers, Kyoto University

Algorithmic Graph Theory with Applications to Bioinformatics

New Materials and Chemical Systems for Alternative Energy Conversion

PS* Assoc Prof JANSSON, Jesper

PS* Assoc Prof NAUMOV, Panche



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

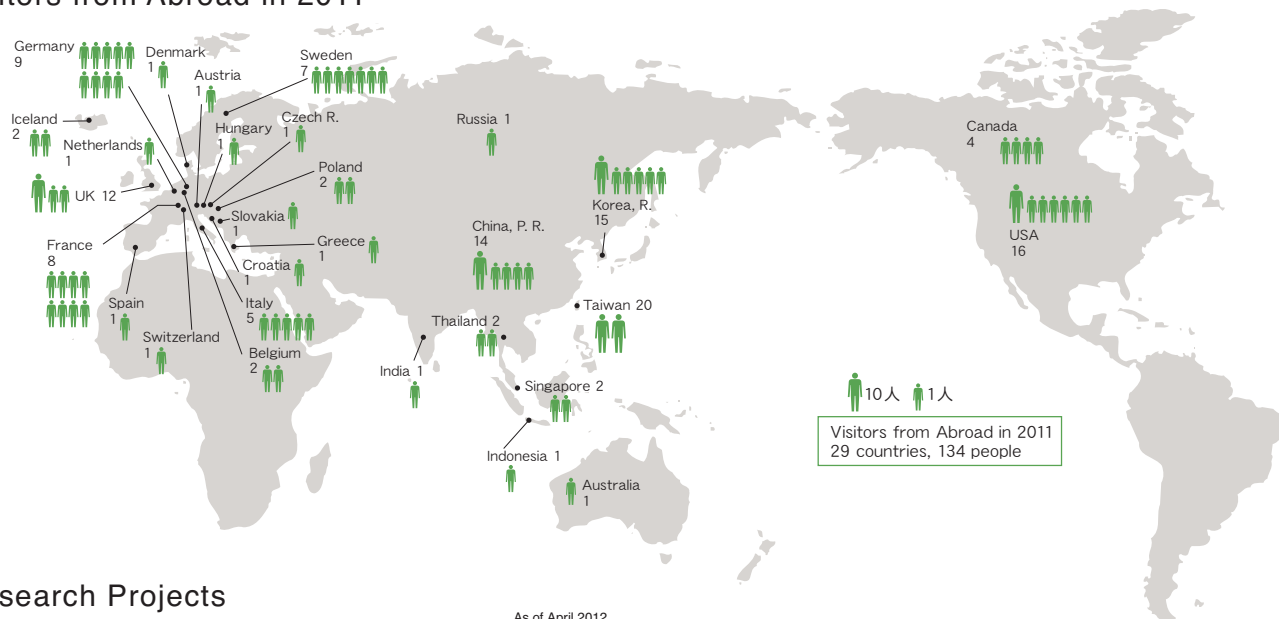
Through research in an integrated environment of world-class laboratories, we aim to train and develop talented people with broad experience and a high level of problem solving skills, capable of providing leadership towards the harmonious development of the global community.

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.



Visitors from Abroad in 2011



Research Projects

As of April 2012

Research and Education Funding

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

Representative from ICR : SATO, Naoki / 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, Fumiya / Term : 2010-2015



Global COE Program

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

JSPS International Training Program

International Research and Training Program on Bioinformatics and Systems Biology

Program Director : MAMITSUKA, Hiroshi / Term : 2009-2013

Life Science Database Integration Projects

Key Technology Development for Data Integration and Application to Emerging Fields

Research Leader : GOTO, Susumu / Term : 2011-2013

Genome-based Integrated Resource for Diseases, Drugs, and Environmental Substances

Research Leader : KANEHISA, Minoru (Specially Appointed Professor) / Term : 2011-2013

Human Resource in ICR

Faculty

Numbers in () Represent Visiting Professors.

Professor	Associate Professor	PS* Associate Professor	** Assistant Professor	PS* Assistant Professor	Technician	PS* Researcher	Sub-total	Researcher**	Other Staff	Sub-total	Total
30	19	1	40	6	9	12	117	23	36	59	176
(4)	(4)						(8)				(8)

*PS: Program Specific ** Including Researchers from Abroad As of July 1, 2012

Researchers(PD) from Abroad

Country	Number	Country	Number	Country	Number	Country	Number
Australia	1	Austria	1	Brazil	1	China, P. R.	4
France	1	Germany	1	India	2	Korea, R.	1
Poland	1	Taiwan	3	Vietnam	1	Total	17

As of May 1, 2012

Research Students, Fellows and Associates

Research Student	Research Fellow	Postdoctoral Fellow of JSPS	Research Associate	Total
3	2	2	8	15

As of May 1, 2012

Graduate Students

Numbers in () Represent Students from Abroad.

	Science	Engineering	Agriculture	Pharmaceutical Sc.	Medicine	Informatics	Human & Environm. Studies	Total
Master's Course	40	56	11	16	1	3		127
		(3)	(2)	(3)		(3)		(11)
Doctoral Course	38	14	3	15	3	9	1	83
	(1)	(3)	(2)	(4)	(2)	(3)		(15)
Total	78	70	14	31	4	12	1	210
	(1)	(6)	(4)	(7)	(2)	(6)		(26)

As of May 1, 2012

Graduate Students from Abroad

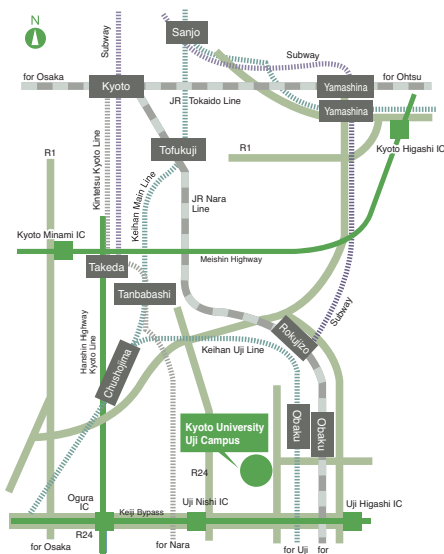
Country	Number	Country	Number	Country	Number	Country	Number
China, P. R.	19	Egypt	1	Korea, R.	1	Philippines	1
Taiwan	3	Thailand	1	Total	26		

As of May 1, 2012



Institute for Chemical Research, Kyoto University

Gokasho, Uji, Kyoto, Japan 611-0011
Tel: +81-774-38-3344 Fax: +81-774-38-3014
E-mail: koho@scl.kyoto-u.ac.jp



Access

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