Annual Review 2005

ORGANIZATION AND STAFF

Organization

The Institute for Molecular Science comprises twenty research laboratories, each staffed by a professor, an associate professor, two research associates and several technical associates, and two research laboratories with foreign visiting professors and five research facilities.

The laboratories are grouped into seven departments and one facility for coordination chemistry:

Department of Theoretical Studies Theoretical Studies I

Theoretical Studies II Theoretical Studies III Theoretical Studies IV1)

Molecular Structure I Department of Molecular Structure Molecular Structure II¹⁾

Molecular Dynamics **Excited State Chemistry Excited State Dynamics**

Electronic Structure¹⁾

Molecular Energy Conversion²⁾

Solid State Chemistry Department of Molecular Assemblies

Molecular Assemblies Dynamics

Molecular Assemblies¹⁾ Applied Molecular Science I

Department of Applied Molecular Science Applied Molecular Science II¹⁾ Department of Vacuum UV Photoscience

Photochemistry Chemical Dynamics

Synchrotron Radiation Research²⁾ Department of Computational Molecular Science

Computational Molecular Science I Computational Molecular Science II Computational Molecular Science III¹⁾

Functional Coordination Chemistry Coordination Chemistry Laboratories

Coordination Bond¹⁾ Complex Catalysis

The research facilities are:

Research Center for Molecular-scale Nanoscience Molecular-scale Electronics

Nanocatalysis and Biomolecular Devices

Nano-scale Photoscience Advanced Molecular Science³⁾

• UVSOR Facility

• Laser Research Center for Molecular Science Advanced Lasers for Chemical Reaction Studies

Advanced Lasers for Synchrotron Radiation Applications

Advanced UV and IR Tunable Lasers

• Equipment Development Center

Department of Electronic Structure

Safety Office

Okazaki research facilities (related to IMS) are:

- Okazaki Institute for Integrative Bioscience
- Research Center for Computational Science
- 1) Professors and associate professors are visiting professors from other universities.
- 2) Research laboratories with foreign visiting professors.
- 3) Professors, associate professors, and research associates, along with their positions, are transferred from other universities.

Scientific Staff

NAKAMURA, Hiroki Professor, Director-General

Emeritus Professors

NAGAKURA, Saburo The Japan Academy

HIROTA, Eizi Professor Emeritus, The Graduate University for Advanced

Studies

KIMURA, Katsumi Senior Researcher, Molecular Photonics & Photoelectron Group,

Communications Research Laboratory

MOROKUMA, Keiji Professor, Emory University, U. S. A.

INOKUCHI, Hiroo Chief Scientist of Space Utilization Research Program, Japan

Aerospace Exploration Agency
Professor Hosei University

MARUYAMA, Yusei Professor, Hosei University

YOSHIHARA, Keitaro Professor, Japan Advanced Institute of Science and Technology HANAZAKI, Ichiro Professor Emeritus, The Graduate University for Advanced

Studies

IWAMURA, Hiizu Professor, University of the Air SAITO, Shuji Professor, Fukui University

IWATA, Suehiro Professor, National Institution for Academic Degree ITO, Mitsuo Professor Emeritus, The Graduate University for Advanced

Studies, Tohoku University

KAYA, Koji Director, RIKEN Wako Institute, RIKEN Discovery Institute

Department of Theoretical Studies

Theoretical Studies I

NAGASE, Shigeru Professor

OKAMOTO, Yuko Associate Professor (–March '05)¹⁾

KOBAYASHI, Kaoru Research Associate OKUMURA, Hisashi Research Associate ISHIMURA, Kazuya Technical Associate

PULAY, Peter Visiting Professor (May–August '05)

ANANT, Dattatraya Kulkarni Post-Doctoral Fellow (November '04–March '05)

SLANINA, Zdenek Post-Doctoral Fellow (September '04–)

TAKAGI, Nozomi JSPS Post-Doctoral Fellow (-March '05), Post-Doctoral Fellow

(April '05-)

RE, Suyong Post-Doctoral Fellow (–March '05)²⁾
KAWASHIMA, Yukio Post-Doctoral Fellow (–March '05)¹⁾

KATOUDA, Michio Research Fellow

KOKUBO, Hironori

ONO, Yuriko

SUMIMOTO, Michinori

ITO, Satoru

Research Fellow (–March '05)³⁾

Post-Doctoral Fellow (–March '05)⁴⁾

Post-Doctoral Fellow (April '05–)

Graduate Student (–March '05)¹⁾

MIZOROGI, Naomi Graduate Student

Theoretical Studies II

NAKAMURA, Hiroki Professor

NOBUSADA, Katsuyuki Associate Professor

TAKAMI, Toshiya Research Associate (-December '04)

MIL'NIKOV, Gennady Research Associate

YASUIKE, Tomokazu Research Associate (July '05-)

ZOU, Shiyang IMS Fellow (–March '05), Post-doctoral Fellow (April '05)

Zhao, Yi JSPS Post-Doctoral Fellow (-May '05)

CHIKAZUMI, Shinpei Post-Doctoral Fellow TAMURA, Hiroyuki Post-Doctoral Fellow

PARK, Tae Jun Visiting Scientist (December '04–February '05) ISHKHANYAN, Artur Visigint Scientist (September–December '04)

KONDORSKY, Alexey Post-Doctoral Fellow

KUBOTA, Yoji Post-Doctoral Fellow (April '05-)

OLOYEDE, Oluwaponmile Graduate Student

SHIRATORI, Kazuya Graduate Student (April '05–) IWASA, Takeshi Graduate Student (April '05–)

Theoretical Studies III

HIRATA, Fumio Professor

YONEMITSU, Kenji Associate Professor CHONG, Song-Ho Research Associate YAMASHITA, Yasufumi Research Associate

LEE, Jin Yong

MONKASHO Invited Fellow (June-August '05) MONDAL, Chandan Kumar MONKASHO Invited Fellow (June-August '05)

OTSUKA, Yuichi IMS Fellow(–October, '04)⁵⁾

KOBRYN, Oleksandr IMS Fellow

Post-Doctoral Fellow YOSHIDA, Norio IKUTA, Yasuhiro Post-Doctoral Fellow MAESHIMA, Nobuya Post-Doctoral Fellow MARUYAMA, Yutaka Post-Doctoral Fellow MIYATA, Tatsuhiko Post-Doctoral Fellow

INOUE, Hitoshi Post-Doctoral Fellow(-May '05) MIYASHITA, Satoshi Post-Doctoral Fellow(June '05-) Post-Doctoral Fellow(April '05-) TANIMURA, Ayumi

MATSUGAMI, Masaru Graduate Student ISHIZUKA, Ryosuke Graduate Student

Theoretical Studies IV

HADA, Masahiko Visiting Associate Professor (from Tokyo Metropolitan

University) (-March '05)

NAKAJIMA, Takashi Visiting Associate Professor (from Kyoto University) (-March

'05)

FUCHIZAKI, Kazuhiro Visiting Professor (from Ehime University) (April '05–)

Visiting Associate Professor (from Kobe University) (April '05–) KOMATSUZAKI. Tamiki

Department of Molecular Structure

Molecular Structure I

OKAMOTO, Hiromi Professor

MORITA, Norio Associate Professor (-November '04)

IMURA, Kohei Research Associate NAGAHARA, Tetsuhiko IMS Fellow (-March '05) HORIMOTO, Noriko IMS Fellow (April '05–)

Visiting Graduate Student (from Seoul National University) LIM, Jong Kuk

(-October '04)

Molecular Structure II

Visiting Professor (from The University of Tokyo) (–March '05) OHTA. Toshiaki TERAZIMA, Masahide Visiting Professor (from Kyoto University) (April '05–) ISHIMORI, Koichiro Visiting Associate Professor (from Kyoto University) (–March '05), Visiting Professor (from Hokkaido University) (April '05–)

Molecular Dynamics

KITAGAWA, Teizo Professor (Okazaki Institute for Integrative Bioscience)

YOKOYAMA, Toshihiko Professor

OZAWA, Takeaki Associate Professor (April '05–) UCHIDA, Takeshi Research Associate (-August '05)

Research Associate NAKAGAWA, Takeshi WATANABE, Hirokazu Technical Associate MARUYAMA, Koichi IMS Fellow

JSPS Post-Doctoral Fellow (-March '05) MATSUOKA, Hideto

Graduate Student MA, Xiaodong

Department of Electronic Structure

Excited State Chemistry

NISHI, Nobuyuki Professor

BOO, Bong Hyun Visiting Professor (from Chungnam National University, South

Korea) (December '04–February '05)

JUDAI, Ken Research Associate NISHIJO, Junichi Research Associate

OISHI, Osamu Technical Associate (April '05–) OKABE, Chie IMS Fellow WATANABE, Michio Research Fellow

Excited State Dynamics

OHMORI, Kenji Professor

OHSHIMA, Yasuhiro Professor (September '04–)

KATSUKI, Hiroyuki Research Associate

HASEGAWA, Hirokazu Research Associate (April '05–) HOSAKA, Kouichi IMS Fellow (April '05–) MIYAZAKI, Mitsuhiko IMS Fellow (April '05–)

MIYAKE, Shinichiro Graduate Student (from Kyoto University)* (April '05–)

DELANGNES, Jean-Christophe Visiting Scientist (April '05–June '05)

Electronic Structure

ICHIMURA, Teijiro Visiting Professor (from Tokyo Institute of Technology)
TAKAGI, Noriaki Visiting Associate Professor (from The University of Tokyo)

Molecular Energy Conversion

KWON, Yong-Seung Visiting Professor (from Sungkyunkwan University, South Korea)

(-September '04)

OSHEROV, Vladimir Iosiphovich Visiting Professor (from Institute of Problems of Chemical

Physics, Russia) (September '04–January '05)

STANKEVICH, Vladimir, G. Visiting Professor (from Kurchatov Synchrotron Radiation Center,

RRC Kurchatov Institute, Russia) (January '05-July '05)

Visiting Professor (from University of Arkansas, U.S.A.) (May

'05-August '05)

COUPRIE, Marie Emmanuelle Visiting Associate Professor (from LURE, France) (–September

04)

TANATAR, Makariy Visiting Associate Professor (from National Ukrainian Academy

of Sciences, Ukraine) (February '05-)

VAROTSIS, Constantinos Visiting Associate Professor (from University of Crete, Greece)

(October '04–January '05)

Department of Molecular Assemblies

PULAY, Peter

Solid State Chemistry

YAKUSHI, Kyuya Professor

NAKAMURA, Toshikazu Associate Professor
YAMAMOTO, Kaoru Research Associate
FURUKAWA, Ko Research Associate
URUICHI, Mikio Technical Associate
YAMAMOTO, Takashi IMS Fellow (–March '05)

HARA, Toshifumi IMS Fellow NAKANO, Chikako Research Fellow

SIMONYAN, Mkhitar Research Fellow (October '04–December '04) BOYKO, Sergiy Research Fellow (July '05–August '05)

DROZDOVA, Olga Research Fellow

MATSUOKA, Hideto Research Fellow (April '05–)

MAEDA, Keisuke Graduate Student

TANAKA, Masayuki Graduate Student (April '05–)

Molecular Assemblies Dynamics

KOBAYASHI, Hayao Professor

TAKAHASHI, Kazuyuki Research Associate OKANO, Yoshinori Technical Associate

OTSUKA, Takeo JSPS Post-Doctoral Fellow (–March '05)

CUI, Heng-Bo JST Post-Doctoral Fellow MIYAMOTO, Akihito Visiting Scientist (October '04–)

OTSUBO, Saika Graduate Student

Molecular Assemblies

ENOKI, Toshiaki Visiting Professor (from Tokyo Institute of Technology) (–March

05)

NAITO, Toshio Visiting Associate Professor (from Hokkaido University) (–March

'05)

KOJIMA, Norimichi Visiting Professor (from The University of Tokyo) (April '05–) KAWAMOTO, Atsushi Visiting Associate Professor (from Hokkaido University) (April

(05-)

Department of Applied Molecular Science

Applied Molecular Science I

KINOSHITA, Kazuhiko, Jr. Professor (Okazaki Institute for Integrative Bioscience) (–March

05

AONO, Shigetoshi Professor (Okazaki Institute for Integrative Bioscience)

INOUE, Katsuya Professor (–September '04)
JIANG, Donglin Associate Professor (May '05–)

ADACHI, Kengo Research Associate (Okazaki Institute for Integrative Bioscience)

(-March '05)

AKITA, Motoko Research Associate

YOSHIOKA, Shiro Research Associate (Okazaki Institute for Integrative Bioscience)

OKUDA, Kazuki Graduate Student NUMATA, Yohei Graduate Student

Applied Molecular Science II

IKEDA-SAITO, Masao Visiting Professor (from Tohoku University)

NAKAMURA, Kazutaka Visiting Associate Professor (from Tokyo Institute of Technology)

Department of Vacuum UV Photoscience

Photochemistry

KOSUGI, Nobuhiro Professor

HISHIKAWA, Akiyoshi Associate Professor HATSUI, Takaki Research Associate TAKAHASHI, Eiji Research Associate HIYAMA, Miyabi Research Associate

SETOYAMA, Hiroyuki IMS Fellow (-September '04) MATSUDA, Akitaka IMS Fellow (April '05-) MASUDA, Suomi Graduate Student (-March '05)

Chemical Dynamics

URISU, Tsuneo Professor

MITSUKE, Koichiro Associate Professor

NONOGAKI, Youichi Research Associate (–March '05) KATAYANAGI, Hideki Research Associate (October '04–)

TERO, Ryugo Technical Associate

LEI, Shenbin Post-Doctoral Fellow (-November '04) YOSHIMURA, Daisuke Post-Doctoral Fellow (-March '05)

UNO, Hidetaka Research Fellow

SUGA, Yasuhiro Visiting Scientist (from AISIN COSMOS R&D CO., LTD.)

(-March '05)

ITO, Masayuki Visiting Scientist (from AISIN COSMOS R&D CO., LTD.)

(-March '05)

SUZUKI, Akira Visiting Scientist (from AISIN COSMOS R&D CO.,LTD.)

(-March '05)

MO, Yu-Jun Visiting Scientist (from Henan University) (February '05–March

'05)

FUJIKI, Satoshi Graduate Student (-September '04)

RAHMAN, Mashiur Graduate Student KIM, Yong-Hoon Graduate Student MISAWA, Nobuo Graduate Student

SUZUKI, Masanoi Graduate Student (from Toyohashi University of Technology)*

(-March '05)

YOGI, Osamu Graduate Student (from Toyohashi University of Technology)*

(-March '05)

ZHANG, Zhenlong Graduate Student (November '04–) KAFLE, Bhim Prasad Graduate Student (October '04–)

^{*} persons carrying out graduate research of IMS on Cooperative Education Program of IMS with other graduate schools

NAKAI, Naohito Graduate Student (April '05–)

Synchrotron Radiation Research

WAN, Lijun Visiting Professor (from Institute of Chemistry, Chinese Academy

of Sciences, China) (-October '04)

LONG, La-Sheng Visiting Associate Professor (from Xiamen University, China)

(May '05-)

SUN, Wei-Yin Visiting Professor (from Nanjing University, China) (-February

'05, June-August '05)

AKA, Gerard, Philippe Visiting Professor (from ECOLE NATIONALE SUPERIEURE

DE CHIMIE DE PARIS, France) (March-May '05)

LABLANQUIE, Pascal Visiting Associate Professor (from LURE, France) (September

'04–February '05)

Department of Computational Molecular Science

Computational Molecular Science I

OKAZAKI, Susumu Professor (Research Center for Computational Science)

MORITA, Akihiro Associate Professor (Research Center for Computational Science)

NANBU, Shinkoh Research Associate (-March '05) TAKAMI, Toshiya Research Associate (-September '04)

MIURA, Shinichi Research Associate

ISHIDA, Tateki Research Associate (November '04–)

IWAHASHI, KensukePost-Doctoral FellowYOSHII, NoriyukiPost-Doctoral FellowYAMADA, AtsushiPost-Doctoral FellowMIKAMI, TaijiPost-Doctoral Fellow

ISHIYAMA, Tatsuya Post-Doctoral Fellow (January '05–)

LI, Hongzhen Research Fellow (April '05–)

KOMATSU, Takahiro Graduate student (from Tokyo Institute of Technology)* (–March

'05); Research Fellow (June '05–)

SATO, Masahiro Graduate student (from Tokyo Institute of Technology)* (–March

(05)

Coordination Chemistry Laboratories

TANAKA, Koji Director

Functional Coordination Chemistry

TANAKA, Koji Professor

KAWAGUCHI, Hiroyuki Associate Professor

SUN, Wei-Yin Visiting Professor (from Nanjing University) (April '05–)

WADA, Tohru Research Associate MATSUO, Tsukasa Research Associate

MIYASATO, Yuji Post-Doctoral Fellow (–March '05), IMS Fellow (April '05–)

WATANABE, Takahito IMS Fellow (April '05–)

KOMURO, Takashi JSPS Post-Doctoral Fellow (–September '04)⁶⁾

OKAMURA, Rei Post-Doctoral Fellow

TANNAI, Hidenori Post-Doctoral Fellow (April '05–)
FUJITA, Mitsuharu Post-Doctoral Fellow (April '05–)
KOIZUMI, Takeaki Post-Doctoral Fellow (-April '05)⁷⁾
ZHANG, Dao Post-Doctoral Fellow (-March '05)⁸⁾

TSUTSUI, Kanako Research Fellow

TAKUMA, Motoki Research Fellow (April '05–)

HINO, Takami Graduate Student (–March '05), Research Fellow (April '05–)

INOUE, Ayako Graduate Student (April '05–) FUKUSHIMA, Takashi Graduate Student (April '05–)

Coordination Bond

MATSUSAKA, Hiroyuki Visiting Professor (from Osaka Prefecture University) (-March

05)

UENO, Keiji Visiting Professor (from Gunma University) (-March '05) ISHII, Youichi Visiting Professor (from Chuo University) (April '05-) HAYASHI, Takashi Visiting Professor (from Osaka University) (April '05-)

Complex Catalysis

MASHIMA, Kazushi Visiting Professor (from Osaka University)

KURIHARA, Masato Visiting Associate Professor (from Yamagata University)

Research Facilities

Research Center for Molecular-scale Nanoscience

OGAWA, Takuji Director

Molecular-scale Electronics

OGAWA, Takuji Professor

TADA, Hirokazu Associate Professor (-March '05)

SUZUKI, Toshiyasu Associate Professor TANAKA, Shoji Research Associate SAKAMOTO, Youichi Research Associate TANAKA, Hirohumi Research Associate

YAMADA, Ryo Research Associate (–May '05)

HUANG, Wei IMS Fellow

ARA, Masato Graduate Student (-April '05)
TAKADA, Masaki Graduate Student (-April '05)
SAKANOUE, Tomo Graduate Student (-April '05)

KAWAO, Masahiro Graduate Student (from Ehime University)*

MIZUGUCHI, Eisuke Graduate Student (from Ehime University)* (–March '05)

OZAWA, Hiroaki Graduate Student (from Ehime University)*
SATOU, Hirokazu Graduate Student (from Ehime University)*

YAJIMA, Takashi Graduate Student

SHIMADA, Kazuhiro Graduate Student (from JAIST)*

Nanocatalysis and Biomolecular Devices

UOZUMI, Yasuhiro Professor

NAGATA, Toshi Associate Professor

FUJII, Hiroshi Associate Professor (Okazaki Institute for Integrative Bioscience)

SAKURAI, Hidehiro Associate Professor

KURAHASHI, Takuya Research Associate (Okazaki Institute for Integrative Bioscience)

NAGASAWA, Takayuki Research Associate YAMADA, Youich Research Associate HIGASHIBAYASHI, Shuhei Research Associate MAKI, Suguru IMS Fellow

KAMIYA, Ikuyo IMS Fellow (April '05–) TAKENAKA, Kazuhiro Post-Doctoral Fellow SUZUKA, Toshimasa Post-Doctoral Fellow

OHDAKA, Atsushi
Post-Doctoral Fellow (April '05-)
MAEDA, Yasunari
Post-Doctoral Fellow (April '05-)
KIMURA, Tsutomu
Post-Doctoral Fellow (April '05-)
SUGUHARA, Takahiro
Post-Doctoral Fellow (April '05-)

KIMURA, Masahiro Graduate Student SAKAMAKI, Junichiro Graduate Student MINAKAWA, Maki Graduate Student ARAKAWA, Takayasu Graduate Student BEPPU, Tomohiko Graduate Student

FUKUYAMA, Naoshi Graduate Student (April '05–) KAWADE, Rei Graduate Student (April '05–)

TAKIZAWA, Ryu Graduate Student

Nano-scale Photoscience

MATSUMOTO, Yoshiyasu Professor

TSUKUDA, Tatsuya
WATANABE, Kazuya
MATSUMOTO, Taketoshi
NEGISHI, Yuichi
NAGAO, Masashi
TSUNOYAMA, Hironori

Associate Professor
Research Associate
Research Associate
IMS Fellow
IMS Fellow

NAKAO, Satoru IMS Fellow (April '05–)

^{*} persons carrying out graduate research of IMS on Cooperative Education Program of IMS with other graduate schools

SAWADA, Takeshi Post-Doctoral Fellow

KAI, Noriko Visiting Scientist (February '05–)

FUYUKI, Masanori Graduate Student YAMAGUCHI, Dai Graduate Student

YANAGIMOTO, Yasushi Graduate Student (from Okayama University)* (June '05–)

Advanced Molecular Science

KATO, Koichi Professor (from Nagoya City University) (October '04–)
TAKAHASHI, Masahiko Associate Professor (from Tohoku University) (–March '05)
SASAGAWA, Hiroaki Research Associate (from Nagoya City University) (April '05–)
KERA, Satoshi Research Associate (from Chiba University) (–March '05)
WATANABE, Noboru Research Associate (from Tohoku University) (–March '05)

KHAJURIA, Yugal IMS Fellow (-March '05)

KAMIYA, Yukiko Graduate Student (from Nagoya City University)* (April '05–) YAGI, Hirokazu Graduate Student (from Nagoya City University)* (April '05–) Graduate Student (from Nagoya City University)* (April '05–) YAMADA, Kenzo Graduate Student (from Nagoya City University)* (April '05-) NISHI, Yohei Graduate Student (from Nagoya City University)* (April '05–) SUZUKI, Maiko MAENO, Aya Graduate Student (from Nagoya City University)* (April '05-) Graduate Student (from Nagoya City University)* (April '05-) NAGANO, Mayumi SUMIYOSHI, Akira Graduate Student (from Nagoya City University)* (April '05–)

UVSOR Facility

KOSUGI, Nobuhiro Director KATOH, Masahiro Professor

SHIGEMASA, Eiji Associate Professor KIMURA, Shin-ichi Associate Professor

ITO, Kenji

HARA, Toru

COUPRIE, Marie-Emmanuelle

Visiting Associate Professor (from Photon Factory) (–March '05)

Visiting Associate Professor (from RIKEN) (April '05–)

Visiting Professor (from CEA/DSM/DRECAM/SPAM, France)

(December '04)

NOH, Tae Won Visiting Professor (from Seoul National University, Korea)

(February–March '05)

HOSAKA, Masahito

MOCHIHASHI, Akira

ITO,Takahiro

HIKOSAKA, Yasumasa

SAKURAI, Yoko

Research Associate

Research Associate

Research Associate

IMS Fellow

KANAYASU, Tatsuo IMS Fellow (June '05–)

SICHELSCHMIT, Joerg Visiting Scientist (from Max Planck Institut fuer Chemische

Physik fester Stoffe, Germany) (February '05)

MEYER, Michael Visiting Scientist (from LURE, Centre Universitaire Paris-Sud,

France) (November–December '04)

BIELAWSKI, Serge Visiting Scientist (from Universite des Sciences et Technologies

de Lille, France) (December '04)

SZWAJ, Christophe Visiting Scientist (from Universite des Sciences et Technologies

de Lille, France) (December '04)

SIMON, Marc Visiting Scientist (from LCPMR, France) (January '05)
ZHANG, Shancai Visiting Scientist (from National Synchrotron Radiation

Laboratory, University of Science and Technology of China,

China) (March '05)

FENG, Guangyao Visiting Scientist (from National Synchrotron Radiation

Laboratory, University of Science and Technology of China,

China) (March '05)

NISHI, Tatsuhiko Graduate Student IM, Hojun Graduate Student

Laser Research Center for Molecular Science

MATSUMOTO, Yoshiyasu Director

Advanced Lasers for Chemical Reaction Studies

Advanced Lasers for Synchrotron Radiation Applications

SARUKURA, Nobuhiko Associate Professor ONO, Shingo Research Associate

ESTACIO, Elmer IMS Fellow

QUEMA, Alex JSPS Post-Doctoral Fellow

MURAKAMI, Hidetoshi Research Fellow DIWA, Girbert Graduate Student

PONSECA Jr., Carlito Graduate Student (April '05–) de los REYES, Glenda Graduate Student (April '05–)

Advanced UV and IR Tunable Lasers

TAIRA, Takunori Associate Professor

LUPEI, Voicu Visiting Professor (from Institute of Atomic Physics, Romania)

(March '05)

ISHIZUKI, Hideki IMS Fellow (-September '04); Research Associate (October '04-)

TSUNEKANE, Masaki Post-Doctoral Fellow

DASCALU, Traian Post-Doctoral Fellow (–March '05)

SATO, Yoichi Post-Doctoral Fellow

SAIKAWA, Jiro Research Fellow (-March '05); Post-Doctoral Fellow (from Tokyo

Institute of Technology) (April '05–)

PAVEL, Nicolaie Visiting Scientist (from Institute of Atomic Physics, Romania)

(-March '05)

Equipment Development Center

URISU, Tsuneo Director

Safety Office

OGAWA, Takuji Director

TOMURA, Masaaki Research Associate

Okazaki Research Facilities (related to IMS)

Okazaki Institute for Integrative Bioscience

Department of Strategic Methodology

KINOSITA, Kazuhiko, Jr. Professor (–March '05)

AONO, Shigetoshi Professor

FUJII, Hiroshi Associate Professor

ADACHI, Kengo Research Associate (-March '05)

YOSHIOKA, Shiro Research Associate KOBAYASHI, Katsuaki IMS Fellow KUJIME, Masato IMS Fellow

FUJIWARA, Ikuko JSPS Post-Doctoral Fellow (–March '05) SHIROGUCHI, Katsuyuki JSPS Post-Doctoral Fellow (–March '05)

PATRA, Digambara Visiting Scientist; JSPS Post-Doctoral Fellow (-August '05)

KON, Rieko
Post-Doctoral Fellow (-March '05)
FURUIKE, Shou
Post-Doctoral Fellow (-March '05)
OKAMOTO, Tetsuaki
Post-Doctoral Fellow (-March '05)
OZAWA, Kazumichi
Post-Doctoral Fellow (April '05-)
KANDA, Ritsuko
Research Fellow (-March '05)

YOGO, Katsunori Graduate Student (from Waseda University)*

SAKAKI, Naoyoshi Graduate Student ONOUE, Yasuhiro Graduate Student INAGAKI, Sayaka Graduate Student YOSHIMURA, Hideaki Graduate Student HOSSAIN, Mohammad Delawar Graduate Student

NISHIMURA, Muneto Graduate Student (April '05–)

Department of Bio-environmental Science

KITAGAWA, Teizo Professor

HAYASHIZAKI, Yoshihide Visiting Professor (from RIKEN Genomic Sciences Center)

(-March '05)

TAKAGI, Junichi Visiting Professor (from Osaka University) (April '05–)

UCHIDA, Takeshi Research Associate (–August '05)⁹⁾

^{*} persons carrying out graduate research of IMS on Cooperative Education Program of IMS with other graduate schools

IMS Fellow KUBO, Minoru

VAROTSIS, Constantinos Visiting Scientist; MONKASHO Invited Fellow (from University

of Crete, Greece) (September '04-January '05), Visiting Scientist;

JSPS Invited Fellow (from University of Crete, Greece)

(February-April '05)

MAHINAY, Myrna Sillero Visiting Scientist; JSPS Post-Doctoral Fellow (from Mindanao

State University-Illigan Institute of Technology, Philippine) (-June

'05), Visiting Scientist (June–July '05)

GU, Yuzong Visiting Scientist; JSPS Post-Doctoral Fellow (from Henan

University, China)

EL-MASHTOLY, Samir Fathy Abd El-Monem Visiting Scientist (from Ain Shams University, Egypt) (July-

September '04), Visiting Scientist; JSPS Post-Doctoral Fellow

JSPS Post-Doctoral Fellow (-March '05)¹⁰⁾ OHTA, Takehiro

NAGANO, Yasutomo JSPS Post-Doctoral Fellow (-March '05), Post-Doctoral Fellow

(April '05-)

JSPS Post-Doctoral Fellow (-August '05)¹¹⁾ HIRAMATSU, Hirotsugu

TOSHA, Takehiko JSPS Post-Doctoral Fellow

KIM, Younkyoo Research Fellow (from Hankuk University of Foreign Studies,

Korea) (July-August '05)

Visiting Scientist (from University of Crete, Greece) (March-June DASKALAKIS, Evangelos

'05)

Graduate Student GAO, Ying Graduate Student LI, Jiang LV, Ming Graduate Student

Research Center for Computational Science

NAGASE, Shigeru Director (Department of Theoretical Studies)

OKAZAKI, Susumu Professor

MORITA, Akihiro Associate Professor

NANBU, Shinkoh Research Associate (Department of Computational Molecular

Science) (-March '05)

Research Associate (Department of Computational Molecular TAKAMI, Toshiya

Science) (-September '04)

OONO, Hitoshi Research Associate

MIURA, Shinichi Research Associate (Department of Computational Molecular

ISHIDA, Tateki Research Associate (Department of Computational Molecular

Science) (November '04-)

Technical Staff

KATO, Kiyonori Technical Division Head SUZUI, Mitsukazu **Technical Section Chief** YOSHIDA, Hisashi **Technical Section Chief** HORIGOME, Toshio **Technical Section Chief** YAMANAKA, Takaya Technical Section Chief MIZUTANI, Fumiyasu Technical Section Chief

MIZUTANI, Nobuo Equipment Development Center (Unit Chief) AOYAMA, Masaki Equipment Development Center (Unit Chief)

YANO, Takayuki **Equipment Development Center** KONDOU, Takuhiko **Equipment Development Center**

NAGATA, Masaaki Equipment Development Center (Unit Chief)

UCHIYAMA, Kouichi Equipment Development Center TOYODA, Tomonori Equipment Development Center UVSOR facility (Unit Chief) HASUMOTO, Masami UVSOR facility (Unit Chief) YAMAZAKI, Jun-ichiro NAKAMURA, Eiken UVSOR facility (Unit Chief)

SAKAI, Masahiro **UVSOR** facility **UVSOR** facility KONDOU, Naonori HAYASHI, Kenji **UVSOR** facility

Laser Research Center for Molecular Science CHIBA, Hisashi UEDA, Tadashi Laser Research Center for Molecular Science TESHIMA, Fumitsuna Research Center for Computational Science NAITOU, Shigeki Research Center for Computational Science Research Center for Computational Science SAWA, Masataka Research Center for Computational Science MINAMINO, Satoshi

TAKAYAMA, Takashi Research Center for Molecular-scale Nanoscience (Unit Chief)

MIZUKAWA, Tetsunori Research Center for Molecular-scale Nanoscience MAKITA, Seiji Research Center for Molecular-scale Nanoscience Research Center for Molecular-scale Nanoscience FUJIWARA, Motoyasu NAKANO, Michiko Research Center for Molecular-scale Nanoscience

HARADA, Miyuki **Public Affairs Office**

List of Present Addresses

- 1) Department of Physics, Graduate School of Science, Nagoya University, Furo-cho, Chikusa-ku Nagoya, 464-
- 2) Departement de Chimie, Ecole Normale Superieure 24, ru Lhomond 75231 Paris, Cedex 05, France
- 3) Department of Chemistry, University of Houston, 4800 Calhoun Rd., Houston, TX 77204, U.S.A.
- 4) Division of Chemistry, Graduate School of Science, Hokkaido University, Kita 8 Nishi 5, Sapporo, 060-0808
- 5) Institute for Solid State Physics, University of Tokyo, Kashiwanoha 5-1-5, Kashiwa, 277-8581
- 6) Tohoku University, 6-3 Aoba, Aramaki, Aoba-ku, Sendai, 980-8578
- 7) Tokyo Institute of Technology, 4259 Nagatsuta, Midori-ku, Yokohama, 226-8503
- 8) Department of Chemistry, Fudan University, China
- 9) Division of Chemistry, Graduate School of Science, Hokkaido University, Sapporo, 060-0810
- 10) Department of Chemistry, Stanford University, Stanford, California 94305, U.S.A.
- 11) Graduate School of Pharmaceutical Sciences, Tohoku University, Aoba-ku, Sendai, 980-8578