Annual Review 2002

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 —, two research laboratories with foreign visiting professors, and five research facilities.

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

Department of Theoretical Studies Theoretical Studies I

Theoretical Studies II Theoretical Studies III¹⁾ Theoretical Studies IV

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 Dynamics Assemblies

Molecular Assemblies¹⁾ Applied Molecular Science I

Applied Molecular Science II¹⁾ Molecular Clusters³⁾ (–March '02)

Photochemistry Department of Vacuum UV Photoscience

Chemical Dynamics

Interface Molecular Science³⁾ (–March '02)

Synchrotron Radiation Research²⁾

Coordination Chemistry Laboratories Complex Catalysis

Functional Coordination Chemistry

Coordination Bond¹⁾

The research facilities are:

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

Advanced Lasers for Synchrotron Radiation Applications

Advanced UV and IR Tunable Lasers

• Research Center for Molecular Materials

Department of Electronic Structure

Department of Applied Molecular Science

(-March '02)

Organic Materials Section Hybrid Materials Section

Materials Characterization Section

Structure Control Section

• Research Center for Molecular-scale Nanoscience

(April '02-)

Molecular-scale Electronics

Nanocatalysis and Biomolecular Devices

Nano-scale Photoscience Interface Molecular Science³⁾

Molecular Clusters³⁾

- Equipment Development Center
- UVSOR (Ultraviolet Synchrotron Orbital Radiation) Facility
- Computer Center

The research facilities of ONRI (related to IMS) are:

- Center 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

KAYA, Koji Professor, Director-General

Emeritus Professors

NAGAKURA, Saburo President, The Kanagawa Academy of Science and

Technology

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,

National Space Development Agency of Japan

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

Professor, National Institution for Academic Degree

Professor Emeritus, The Graduate University for Advanced

Studies, Tohoku University

Department of Theoretical Studies

ITO, Mitsuo

IWATA, Suehiro

Theoretical Studies I

NAGASE, Shigeru

OKAMOTO, Yuko

Professor

Associate

OKAMOTO, Yuko Associate Professor KOBAYASHI, Kaoru Research Associate (January '02–)

SUGITA, Yuji Research Associate (-March '02)¹⁾
NAGASIMA, Takehiro Technical Associate (-November '01)²⁾
ISHIMURA, Kazuya Technical Associate (April '02-)

YODA, Takao IMS Fellow (-March '02); Research Associate of Research

for the Future Program (April '02-)

CHOE, Yoong-Kee IMS Fellow

ITOH, Masakatsu Research Associate of Research for the Future Program

 $(-March '02)^{3)}$

YAMAGUCHI, Tsuyoshi Research Associate of Research for the Future Program

 $(-March '02)^{4)}$

LU, Jing Visiting Scientist; JSPS Post-Doctoral Fellow (September

'01-)

RE, Suyong JSPS Post-Doctoral Fellow

TAKAGI, Nozomi Graduate Student (from Tokyo Metropolitan University)*

(-March '02); JSPS Post-Doctoral Fellow (April '02-)

YAMAZAKI, Takeshi JSPS Post-Doctoral Fellow (April '02–)

NOGUCHI, Hiroshi JSPS Post-Doctoral Fellow KAWASHIMA, Yukio Post-Doctoral Fellow (July '02–)

FUKAMI, Kentaro Graduate Student (from Tokyo Metropolitan University)*

(-March, '02) Graduate Student Graduate Student Graduate Student

SAKAE, Yoshitake Graduate Student
KIMURA, Masahiro Graduate Student (from Tokyo Metropolitan University)*

(-March '02)

NAGAYOSHI, Kanade Graduate Student (from Osaka Prefecture University) *

Graduate Student (April '02–)

ITO, Satoru

Theoretical Studies II

KOKUBO, Hironori

MURATA. Katsumi

NAKAMURA, Hiroki Professor

TANIMURA, Yoshitaka Associate Professor ZHU, Chaoyuan Research Associate

TAKAMI, Toshiya SUZUKI, Yoko KATO, Tsuyoshi FUJISAKI, Hiroshi LEE, Chun-Woo

LEE, Eok Kyun

BIAN, Wensheng

KONDORSKIY, Alexey

MIL' NIKOV, Gennady V.

NAGAYA, Kuninobu KAMISAKA, Hideyuki HINO, Osamu

FUKAMI, Hiroshi

Theoretical Studies III SAITO, Susumu

HIRAO, Kimihiko SHIMOI, Yukihiro

TAKAYANAGI, Toshiyuki

KOVALENKO, Andriy F.

Theoretical Studies IV

HIRATA, Fumio YONEMITSU, Kenji SATO, Hirofumi KISHINE, Jun-ichiro OTSUKA, Yuichi HOLOVKO, Myroslav

LUTY, Tadeusz Michal

SUMI, Tomonari YAMAZAKI, Takeshi MIYASHITA, Naoyuki WATANABE, Ayumi

Department of Molecular Structure

Molecular Structure I
OKAMOTO, Hiromi
MORITA, Norio
IMURA, Kouhei
NAGAHARA, Tetsuhiko

Molecular Structure II AKUTSU, Hideo SASADA, Hiroyuki

WADA, Akihide

Research Associate
Research Associate

IMS Fellow IMS Fellow

Visiting Scientist; MONBUSHO Invited Fellow (from Korea Advanced Institute of Science & Technology, Korea)

(December '01–February '02)

Visiting Scientist; MONBUSHO Invited Fellow (from Korea Advanced Institute of Science & Technology, Korea)

(December '01-February '02)

Visiting Scientist; JSPS Post-Doctoral Fellow (–January

 $(02)^{5}$

Visiting Scientist; JSPS Post-Doctoral Fellow (November

 $^{\circ}01-)$

Research Fellow (from Institute of Structural

Macrokinetics, Russia) (-February, '02), (May '02-)

Graduate Student (–March '02)⁶⁾

Graduate Student

Graduate Student (-March '02)⁷⁾

Graduate Student (from Kyoto University)*

Visiting Professor (from Tokyo Institute of Technology)

(-March '02)

Visiting Professor (from University of Tokyo) (April '02–) Visiting Associate Professor (from National Institute of Advanced Industrial Science and Technology (AIST))

(-March '02

Visiting Associate Professor (from Japan Atomic Energy

Research Institute) (April '02-)

Research Associate

Professor

Associate Professor

Research Associate (-April '02)8)

Research Associate IMS Fellow (April '02–)

Visiting Scientist; MONBUSHO Invited Fellow (from Institute for Condensed Matter Physics, Ukraine)

(December '01-March '02)

Visiting Scientist; MONBUSHO Invited Fellow (from Technical University of Wroclaw, Poland) (May

'02-August '02)

JSPS Post-Doctoral Fellow (-March '02)⁹⁾

Graduate Student (-March '02)

Graduate Student
Graduate Student

Professor

Associate Professor Research Associate IMS Fellow (April '02–)

Visiting Professor (from Osaka University)

Visiting Associate Professor (from Keio University)

(-March '02)

Visiting Associate Professor (from Tokyo Institute of

Technology) (April '02–)

Molecular Dynamics

KITAGAWA, Teizo YOKOYAMA, Toshihiko

DINSE, Klaus Peter

KATO, Tatsuhisa UCHIDA, Takeshi

NAKAGAWA, Takeshi FURUKAWA, Ko NAGATOMO, Shigenori

HAYASHI, Naoki TOYAMA, Namiki

HUDECEK, Jiri

PAL, Biswajit

MATSUOKA, Hideto HARUTA, Nami OKUNO, Daichi SATO, Akira

OKUBO, Shingo

Department of Electronic Structure

Excited State Chemistry NISHI, Nobuyuki

TSUKUDA, Tatsuya

NAKABAYASHI, Takakazu

NEGISHI, Yuichi AKITA, Motoko

IMAI, Hiroyuki

PROKOP, Petra V KOSUGI, Kentaroh

OHSHIMO, Keijiro

IKEDA, Shingo DELI, Geer

MORI, Michiyasu IWASE, Hiroki

HINO, Kazuyuki

Excited State Dynamics

FUJII, Masaaki

SUZUKI, Toshinori KOHGUCHI, Hiroshi SAKAI. Makoto

KATAYANAGI, Hideki

SAEKI, Morihisa

MATSUMOTO, Yoshiteru

KIM, Sang-Kyu

WATANABE, Takeshi

NISHIDE, Tatsuhiro TSUBOUCHI, Masaaki

Electronic Structure

YAMASE, Toshihiro

IIJIMA. Sumio OHSHIMA, Yasuhiro Professor (Center for Integrative Bioscience)

Prtofessor (April '02-)

Visiting Professor (from Technische Universitat Darmstadt,

Germany) (August '02–)

Associate Professor

IMS Fellow (April '98-March '99), JSPS Post-Doctral

Fellow (April '99-October '01), Research Associate

(November '01-)

Research Associate (April '02-)

Research Associate Technical Associate

Technical Associate

IMS Fellow

Visiting Scientist; JSPS Invited Fellow (July '00–August '00), Visiting Scientist; JSPS Invited Fellow (from Charles

University, Czech Republic) (-March '02)

Visiting Scientist; JSPS Invited Fellow (November '01-)

JSPS Post-Doctral Fellow (April '02-) Graduate Student (-March '02)¹⁰⁾

Graduate Student

Graduate Student

Graduate Student

Professor

Associate Professor (-March '02)

Research Associate (-May '02)¹¹⁾

Research Associate

Research Associate of Research for the Future Program

(-March '02)12)

Research Associate of Research for the Future Program Research Associate of Research for the Future Program

Research Associate of Research for the Future Program

JSPS Post-Doctoral Fellow

Post-Doctoral Fellow (September '01-)

Post-Doctoral Fellow (September '01–February '02)

Post-Doctoral Fellow (April '02–) Post-Doctoral Fellow (May '02-)

Graduate Student (from Kyushu University)*

Professor

Associate Professor Research Associate Research Associate Technical Associate

IMS Fellow (-March '02), Post-Doctoral Fellow (April

 $(02)^{13}$

Research Fellow (-October '01), IMS Fellow (November '01-March '02), JSPS Post-Doctoral Fellow (April '02-) Visiting Scientist; MONBUSHO Invited Fellow (from Inha

University, Korea) (July–August '02)

JSPS Post-Doctoral Fellow Post-Doctoral Fellow

Graduate Student

Visiting Professor (from Tokyo Institute of Technology)

Visiting Professor (from Meijo University) (April '02–) Visiting Associate Professor (from Kyoto University)

(-March '02)

MISAWA, Kazuhiko

INOKUCHI, Yoshiya

Molecular Energy Conversion SWIETLIK, Roman

CARRAVETTA, Vincenzo

DU, Si-de

BARANOV, Nikolai Viktovich

KOZLOWSKI, Pawel M.

Department of Molecular Assemblies

Solid State Chemistry
YAKUSHI, Kyuya
NAKAMURA, Toshikazu
YAMAMOTO, Kaoru

FUJIYAMA, Shigeki YAMAMOTO, Takashi WOJCIECHOWSKI, Roman

NAKANO, Chikako DROZDOVA, Olga SUZUKI, Kenji

Molecular Assemblies Dynamics

KOBAYASHI, Hayao FUJIWARA, Hideki YAMADA, Ryo WANG, Zhe-Ming ZHANG, Bin

LEE, Ha-Jin OTSUKA, Takeo TAKADA, Masaki

Molecular Assemblies KATO, Reizo

OGAWA, Takuji

Department of Applied Molecular Science Applied Molecular Science I

WATANABE, Yoshihito KINOSITA, Kazuhiko, Jr. AONO, Shigetoshi INOUE, Katsuya HOSOKOSHI, Yuko

KUMAGAI, Hitoshi SUZUKI, Kentaro KATOH, Keiichi OKA, Yoshimi

Applied Molecular Science II MASUDA, Hideki

AWAZU, Koichi

IWATA, Koichi

Visiting Associate Professor (from Tokyo University of

Agriculture and Technology) (April '02–)

Research Associate

Visiting Professor (from Institute of Molecular Physics,

Poland) (-February '02)

Visiting Professor (from Institute of Quantum Chemistry and Molecular Energetics, Italy) (February –August '02) Visiting Associate Professor (from Fudan University,

China) (-March '02)

Visiting Associate Professor (from Ural State University,

Russia) (April-June '02)

Visiting Associate Professor (from University of Louisville,

USA) (July '02-)

Professor

Associate Professor Research Associate Research Associate IMS Fellow

Visiting Scientist; JSPS Post-Doctoral Fellow (September

'01-September '02) Research Fellow Research Fellow Graduate Student

Professor

Research Associate Research Associate

Visiting Scientist; MONBUSHO Invited Fellow (July '02–) Visiting Scientist; MONBUSHO Invited Fellow (–May

'02), Research Fellow (June '02-)

Visiting Scientist; JSPS Post-Doctoral Fellow (June '02–)

JSPS Post-Doctoral Fellow

Graduate Student

Visiting Professor (from RIKEN)

Visiting Professor (from Ehime University)

Professor (Center for Integrative Bioscience) (-March '02)

Professor (Center for Integrative Bioscience)

Professor (Center for Integrative Bioscience) (May '02–)

Associate Professor Research Associate

JSPS Post-Doctoral Fellow (-March '02)¹⁴⁾

Graduate Student Graduate Student Graduate Student

Visiting Professor (from Nagoya Institute of Technology)

(-March '02)

Visiting Professor (from National Institute of Advanced

Science and Technology) (April '02–)

Visiting Associate Professor (from the University of

Tokyo) (-March '02)

KIKUCHI, Koichi Visiting Associate Professor (from Tokyo Metropolitan University) (April '02–) Research Associate (-September '01)¹⁵⁾ OGO, Seiji Molecular Clusters KASAI, Toshio Professor (from Osaka University) (-March '02) TAKASU, Masako Associate Professor (from Kanazawa University) (-March KUBO, Atsushi Research Associate (from Kyoto University) (-March '02) CHE, Dock-Chil Research Associate (from Osaka University) (-March '02) SHIMIZU, Yuichiro IMS Fellow (from Tohoku University) (-March '02) JSPS Post-Doctoral Fellow (-March '02) NOGUCHI, Hiroshi NISHIYAMA, Yusuke Visiting Scientist (from Kyoto University) (–March '02) HASHINOKUCHI, Michihiro Graduate Student (from Osaka University)* (-March '02) NOSAKA, Makoto Graduate Student (from Kanazawa University)* (-March Graduate Student (from Himeji Institute of Technology)* FUKUYAMA, Tetsuya (-March '02) Department of Vacuum UV Photoscience Photochemistry KOSUGI, Nobuhiro Professor Associate Professor (-April '02) TAHARA, Tahei TAKEUCHI, Satoshi Research Associate (-April '02) HATSUI, Takaki Research Associate MIZUNO, Misao Technical Associate (-April '02) OJI. Hiroshi IMS Fellow NAGASONO, Mitsuru JSPS Post-Doctoral Fellow, IMS Fellow (–July '02)¹⁶⁾ IMS Fellow (-April '02)¹⁷⁾ ARZHANTSEV, Sergei Yur'evich JSPS Post-Doctoral Fellow (-April '02)¹⁷⁾ MANDAL, Debabrata JSPS Post-Doctoral Fellow (-April '02)¹⁷⁾ FUJINO, Tatsuya FUJIYOSHI, Satoru Graduate Student (-April '02)¹⁷ MASUDA, Suomi Graduate Student (April '02-) Chemical Dynamics URISU, Tsuneo Professor MITSUKE, Koichiro Associate Professor MIZUTANI, Masakazu Research Associate NONOGAKI, Youichi Research Associate IMS Fellow (-Speptember '01) ONO. Masaki KOU, Junkei IMS Fellow (April '02-) MORÉ, Sam D. IMS Fellow MORI, Takanori Research Fellow (April '02) WANG, Changshun Visiting Scientist (April '02–) Graduate Student WANG, Zhihong YAMAMURA, Shusaku Graduate Student TAKIZAWA, Morio Graduate Student FUJIKI, Satoshi Graduate Student Graduate Student (April '02–) RAHMAN, Mashiur Graduate Student (from Okayama University)* TAKABAYASHI, Yasuhiro Graduate Student (-March '02)¹⁸⁾ KANBARA, Takayoshi Graduate Student (-March '02)¹⁹⁾ YOKOYAMA, Takahiro Synchrotron Radiation Research Visiting Professor (–December '01)²⁰⁾ SKODJE, Rex T. Visiting Associate Professor (-March '02)²¹⁾ WANG, Changshun Visiting Associate Professor (–June '02)²²⁾ GU, Ning DINSE, Klaus Peter Visiting Professor (August '02–)²³⁾ Visiting Associate Professor (April '02–)²⁴⁾ BERG, Bernd Visiting Associate Professor (August '02–)²⁵⁾

Director

Coordination Chemistry Laboratories

GANGAVARAPU, Ranga Rao

TANAKA, Koji

Complex Catalysis

UOZUMI, Yasuhiro Professor

YAMASHITA, Masahiro Visiting Professor (from Tokyo Metropolitan University)

(April '02-)

TANIGUCHI, Isao Visiting Professor (from Kumamoto University) (-March

(02)

CHATANI, Naoto Visiting Associate Professor (from Osaka University)

(April '02–)

TANAKA, Yasutaka Visiting Associate Professor (from Shizuoka University)

(-March '02)

YAMANOI, Yoshinori Research Associate
TAKENAKA, Kazuhiro IMS Fellow (April '02–)

RHEE, Hak-June Visiting Associate Professor; MONBUKAGAKUSHO

Invited Fellow (from Hanyang University, Korea) (April

'02-July '02)

HOCKE, Heiko Visiting Scientist; JSPS Post-Doctoral Fellow

KIKUCHI, Makoto Post-Doctoral Fellow (June '02–) SHIBATOMI, Kazutaka Post-Doctoral Fellow (–June '02)²⁶⁾

KOBAYASHI, Yukinari Visiting Scientist (from Daiichi Pharmaceutical Co. Ltd.)
NAKAO, Ryu Visiting Scientist (from Zeria Pharmaceutical Co. Ltd.)

(–January '02)

NAKAI, Yasushi Graduate Student

KIMURA, Masahiro Graduate Student (April '02–) TAMAKI, Hirotaka Graduate Student (April '02–)

NAKAZONO, Maki Graduate Student (form Nagoya City University)* (–March

02)

TANAKA, Hirotaka Graduate Student (form Nagoya City University)* (–March

'02)

KIMURA, Tsutomu Graduate Student (form Gifu University) (July–August '02)

Functional Coordination Chemistry

TANAKA, Koji Professor

KAWAGUCHI, Hiroyuki Associate Professor WADA, Tohru Research Associate MATSUO, Tsukasa Research Associate MIZUKAWA, Tetsunori Technical Associate

YUKI, Masahiro IMS Fellow (April '02–), Post-Doctoral Fellow (March

(02)

SHIREN, Kazushi Post-Doctoral Fellow KOIZUMI, Takeaki Post-Doctoral Fellow FUJIHARA, Tetsuaki Post-Doctoral Fellow OHTSU, Hideki Post-Doctoral Fellow

AIHARA, Hidenori Post-Doctoral Fellow (February '02–)
YASUE, Takahiro Post-Doctoral Fellow (March '02–)
OKAMURA, Rei Post-Doctoral Fellow (April '02–)

TSUTSUI, Kanako Research Fellow

KOBAYASHI, Katsuaki Research Fellow (April '02–) TOMON, Takashi Research Fellow (April '02–)

KOMURO, Takashi Graduate Student (from Nagoya University)*

HINO, Takami Graduate Student (April '02–)

Coordination Bond

TOKITOH, Norihiro Visiting Professor (from Kyoto University)

ONITSUKA, Kiyotaka Visiting Associate Professor (from Osaka University)

Research Facilities

Laser Research Center for Molecular Science

FUJII, Masaaki Director

Advanced Lasers for Chemical Reaction Studies

Advanced Lasers for Synchrotron Radiation Applications

SARUKURA, Nobuhiko Associate Professor

OHTAKE, Hideyuki Research Associate (-August '02)

MURAKAMI, Hidetoshi IMS Fellow

ONO, Shingo Graduate Student (from Tokyo University of Science)

SUZUKI, Yuji Graduate Student TAKAHASHI, Hiroshi Graduate Student

Advanced UV and IR Tunable Lasers

TAIRA, Takunori Associate Professor

SHOJI, Ichiro IMS Fellow (–March '02), Research Associate (April '02–) PAVEL, Nicolaie JSPS Invitation Fellowship Program (Long-term) (April

'02-)

SAIKAWA, Jiro Graduate Student SATO, Yoichi Graduate Student

Research Center for Molecular-scale Nanoscience

UOZUMI, Yasuhiro Director (Research Center for Molecular Materials)

(-March '02)

KAYA, Koji Director (April '02–)

KUWAHARA, Daisuke Research Associate (–March '02)²⁷⁾

Molecular-scale Electronics

SUZUKI, Toshiyasu Associate Professor TADA, Hirokazu Associate Professor TANAKA, Shoji Research Associate SAKAMOTO, Youichi Research Associate TOMURA, Masaaki Technical Associate SHIRASAWA, Nobuhiko IMS Fellow

GRAAF, Harald IMS Fellow (–September '01)²⁸⁾ FUJIWARA, Eiichi IMS Fellow (April '02–)

KOMATSU, Shingo Graduate Student (from Kyushu University)* (–March '02)

ITO, KanameGraduate StudentARA, MasatoGraduate StudentTAKADA, MasakiGraduate Student

Nanocatalysis and Biomolecular Devices

FUJII, Hiroshi Associate Professor (Center for Integrative Bioscience)

NAGATA, Toshi Associate Professor

ITO, Hajime

KURAHASHI, Takuya

HOSOKAWA, Yoichi

KIKUZAWA, Yoshihiro

Research Associate (–March '02)²⁹⁾

Research Associate (June '02–)

IMS Fellow (April '02–)

Graduate Student

Nano-scale Photoscience

TSUKUDA, Tatsuya Associate Professor MURAYAMA, Haruno IMS Fellow (April '02–)

Interface Molecular Science

KOMIYAMA, Masaharu Professor

OKUDAIRA, Koji

TAKASHIMA, Yoshifumi

KUBOZONO, Yoshihiro

MATSUMOTO, Taki

YOSHIMURA, Daisuke

LI, Yan Jun

Associate Professor

Research Associate

IMS Fellow

Research Fellow

Research Fellow

KANBARA, Takayoshi Graduate Student (from Okayama University)* (-March

'02)

TAKABAYASHI, Yasuhiro Graduate Student (from Okayama University)*
YAMANE, Hiroyuki Graduate Student (from Chiba University)*
YOKOYAMA, Takahiro Graduate Student (from Nagoya University)*

KIYOHARA, Kohei Graduate Student (from Shimane University)* (April '02–)

Molecular Clusters

TANIMOTO, Yoshifumi Professor (April '02–)

ISHIDA, Toshimasa Associate Professor (April '02–) FUJIWARA, Masao Research Associate (April '02–) OBA, Toru Research Associate (April '02–)

UECHI, Ichiro Graduate Student (from Hiroshima University)* (April

'02–)

HANASAKI, Mitsuru Graduate Student (from Utsunomiya University)* (April

'02-)

FUJIWARA, Umihito Graduate Student (from Utsunomiya University)* (April

'02-)

Equipment Development Center

YAKUSHI, Kyuya Director

WATANABE, Michio Associate Professor

Ultraviolet Synchrotron Orbital Radiation Facility

HOSAKA, Masahito

GEJO, Tatsuo

KOSUGI, Nobuhiro Director

KAMADA, Masao Associate Professor (–September '01)³⁰⁾

KATOH, Masahiro Associate Professor SHIGEMASA, Eiji Associate Professor

KIMURA, Shin-ichi Associate Professor (April '02–)

HORI, Yo-ichiro Visiting Associate Professor (from Institute of Materials

Structure Science)
Research Associate
Research Associate
Research Associate

TAKAHASHI, Kazutoshi Research Associate
MOCHIHASHI, Akira Research Associate
AZUMA, Junpei JSPS Post-Doctral Fellow

TANAKA, Senku Graduate Student

NISHI, Tatsuhiko Graduate Student (from Kobe University)* (April '02–)

Computer Center

HIRATA, Fumio Director

OKAZAKI, Susumu Professor (October '01–)

AOYAGI, Mutsumi Associate Professor (-March '02), Professor (from Kyushu

University) (April '02–)

NANBU, Shinkoh Research Associate OONO, Hitoshi Research Associate

MIURA, Shin-ichi Research Associate (July '02–)

MINAMINO, Satoshi Technical Associate MAKI, Jun IMS Fellow IWAHASHI, Kensuke IMS Fellow (Jun '02–)

OKADA, Kazutoshi Post-Doctoral Fellow (-November '01)

KINOSHITA, Tomoko Graduate Student

MIKAMI, Taiji Graduate Student (from Tokyo Institute of Technology)*

(October '01–)

SATO, Masahiro Graduate Student (from Tokyo Institute of Technology)*

(October '01-)

KOMATSU, Takahiro Graduate Student (from Tokyo Institute of Technology)*

(April '02–)

TANAKA, Junji Graduate Student (from Tokyo Institute of Technology)*

(April '02–)

Post-Doctoral Fellow

NAGATA, Takeshi Graduate Student (from Hiroshima Univ.)* (April '02–)

Research Facility of Okazaki National Research Institutes

Center for Integrative Bioscience

ADACHI, Kengo

Department of Strategic Methodology

KINOSITA, Kazuhiko, Jr. Professor

AONO, Shigetoshi

WATANABE, Yoshihito

FUJII, Hiroshi

YOSHIOKA, Shiro

ALI, Md. Yusuf

MAKI, Yasushi

SHIMO, Rieko

Professor (May '02–)

Professor (–March '02)³¹⁾

Associate Professor

IMS Fellow (–March '02)³²⁾

JSPS Post-Doctoral Fellow

Post-Doctoral Fellow

Post-Doctoral Fellow

NAKAI, Hidetaka Research Fellow (–March '02)³³⁾

YOGO, Katsunori Graduate Student (from Waseda University)

Graduate Student (from Keio University) (-March '02)³⁴⁾ KAWASHIMA, Keisuke

SAKAKI, Naoyoshi Graduate Student (from Keio University)

ONOUE, Yasuhiro Graduate Student (from Keio University) (April '02-)

Department of Bio-environmental Science

KITAGAWA, Teizo Professor

YAMATO, Takehisa Visiting Associate professor (from Nagoya University)

(April '02-)

UCHIDA, Takeshi Research Associate (November '01-) Research Associate (-March '02)³¹⁾ UENO, Takafumi

NAGATOMO, Shigenori Technical Associate HIRAMATSU, Hirotsugu IMS Fellow (April '02-) HARUTA, Nami IMS Fellow (–March '02)

JSPS Post-Doctral Fellow (April '02-) OHTA, Takehiro NAGANO, Yasutomo JSPS Post-Doctral Fellow (April '02–)

GOSSE, Charlie JSPS Post-Doctoral Fellow

OKUNO, Daichi Graduate Student Graduate Student SATO, Akira

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

Technical Staff

SAKAI, Kusuo Technical Division Head MATSUDO, Osamu **Technical Section Chief** KATO, Kiyonori **Technical Section Chief**

NISHIMOTO, Fumio Technical Section Chief (-June '02)

YAMANAKA, Takaya **Technical Section Chief**

NAKAMURA, Eiken Electronic Structure (Unit Chief) YOSHIDA, Hisashi Molecular Assemblies (Unit Chief)

YAMAZAKI, Jun-ichiro Laser Research Center for Molecular Science (Unit Chief)

UEDA, Tadashi Laser Research Center for Molecular Science

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

Research Center for Molecular-scale Nanoscience SAKAI, Masahiro MAKITA, Seiji Research Center for Molecular-scale Nanoscience MIZUTANI, Nobuo Equipment Development Center (Unit Chief) Equipment Development Center (Unit Chief) SUZUI, Mitsukazu

UCHIYAMA, Kouichi **Equipment Development Center** TOYODA, Tomonori **Equipment Development Center Equipment Development Center** YANO, Takayuki MATSUSHITA, Koji **Equipment Development Center** HASUMOTO, Masami UVSOR facility (Unit Chief)

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

MIZUTANI, Fumiyasu Computer Center (Unit Chief)

TESHIMA, Fumitsuna Computer Center NAITOU, Shigeki Computer Center

List of Present Addresses

- 1) Laboratory of Supermolecular structure, Department of Structural Biology, Institute of Molecular and Cellular Biosciences, The University of Tokyo, 1-1-1 Yayoi, Bunkyo-ku, Tokyo 113-0032
- 2) Laboratory of Gene-product Informatics, National Institute of Genetics, Yata 1111, Mishima, Shizuoka 411-8540
- 3) National Institute of Advanced Industrial Science and Technology (AIST), AIST Tsukuba Central 1, Tsukuba, Ibaraki 305-8561
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