## ORGANIZATION OF THE NATIONAL INSTITUTE FOR BASIC BIOLOGY

The National Institute for Basic Biology (NIBB) was founded in 1977 on a hill overlooking the old town of Okazaki in Aichi prefecture as one of the Inter-University Research Institutes to promote and stimulate studies of biology. NIBB conducts first-rate research on site as well as in cooperation with national, public and private universities and research organizations. NIBB attempts to elucidate the general and fundamental mechanisms underlying various biological phenomena throughout a wide variety of biological fields, such as cell biology, developmental biology, neurobiology, evolutionary biology, environmental biology, and theoretical biology.

NIBB and four other national institutes, the National Astronomical Observatory (NAO), the National Institute for Fusion Science (NIFS), the National Institute for Physiological Sciences (NIPS), and the Institute for Molecular Science (IMS), constitute the National Institutes of Natural Sciences, which is one of the four Inter-University Research Institute Corporations. NIBB's activities are supported by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) of Japan. The Okazaki Institute for Integrative Bioscience was established as a common facility for the three institutes (NIBB, NIPS, and IMS) of the Okazaki campus.





Buildings in the Myodaiji area (left) and Yamate area (right).

### Policy, Decision Making, and Administration

The Director-General oversees the operation of NIBB, assisted by the Advisory Committee for Programming and Management. The Advisory Committee, comprised of professors within NIBB and an equal number of leading biologists outside NIBB, advises the Director-General on important matters such as planning joint research programs as well as on the scientific activities of NIBB. The Advisory Committee makes recommendations on the appointments of new Director-Generals, faculty appointments, NIBB's annual budget and future prospects.

The Strategic Planning Department is a central office for public relations and the management of conferences and other extramural activities. The department also assists the Director-General with NIBB's evaluation procedures and in planning long-range strategies for the institute.

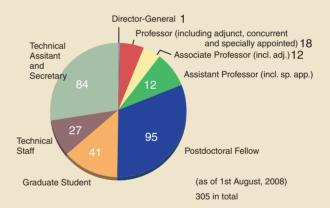
Administration of NIBB is undertaken by the Okazaki Administration Office under the direct auspices of the Administration Office of NINS.

## **Research and Its Support**

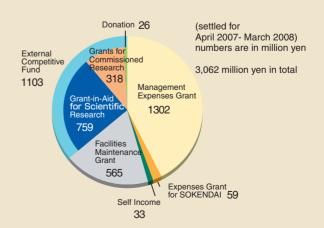
NIBB conducts its research programs through thirty-one research units and three research support units. Each research unit is called either a division, led by a professor, or a laboratory, led by an associate professor or an assistant professor. Each research unit forms an independent project team. Some of the research units are adjunct and led by professors who hold joint appointments with other universities. Adjunct divisions have a resident assistant professor. This arrangement facilitates exchange in research activities throughout Japan. The Technical Division manages the activities of the technical staff and helps to promote the research activities of each research unit and to maintain the common research resources of both the research support units of NIBB and some of the research facilities of the Okazaki campus.

The Okazaki Institute for Integrative Bioscience was founded to conduct interdisciplinary molecular research on various biological phenomena and is shared by all three institutes in Okazaki. Some of the divisions function also as NIBB's divisions.

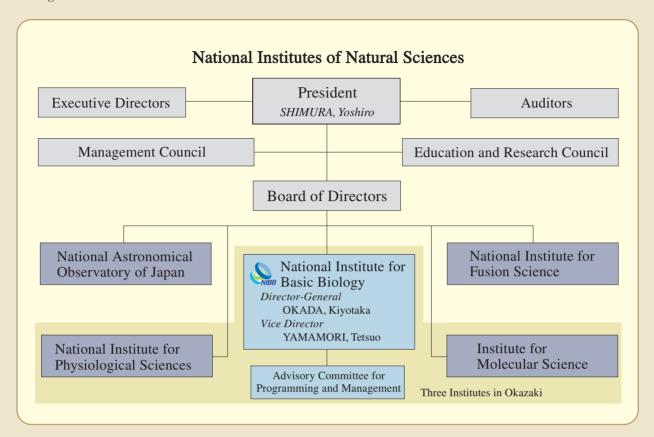
#### Personnel in NIBB



### **Financial Configuration of NIBB**



# Organization



# Members of the Advisory Committee for Programming and Management (as of April 1st, 2008)

| Chairmana       | OHOLDAL M. 1.     | D.C. M.C. LI C.C. D. D. D. L                                       |
|-----------------|-------------------|--|
| Chairperson     | OHSUMI, Yoshinori | Professor, National Institute for Basic Biology                    |
| Vice-Chair      | IWASA, Yoh        | Professor, Kyushu University                                       |
| Non-NIBB member | HASEGAWA, Mariko  | Professor, The Graduate University for Advanced Studies (SOKENDAI) |
|                 | ISHINO, Fumitoshi | Professor, Tokyo Medical and Dental University                     |
|                 | KATO, Kazuto      | Associate Professor, Kyoto University                              |
|                 | MATSUOKA, Makoto  | Professor, Nagoya University                                       |
|                 | OSUMI, Noriko     | Professor, Tohoku University                                       |
|                 | SAKANO, Hitoshi   | Professor, The University of Tokyo                                 |
|                 | SATOH, Noriyuki   | Professor, Kyoto University  |
|                 | TABATA, Satoshi   | Deputy Director, Kazusa DNA Research Institute                     |
| NIBB member     | HASEBE, Mitsuyasu | Professor, National Institute for Basic Biology                    |
|                 | HORIUCHI, Takashi | Professor, National Institute for Basic Biology                    |
|                 | IGUCHI, Taisen    | Professor, Okazaki Institute for Integrative Bioscience            |
|                 | IIDA, Shigeru     | Professor, National Institute for Basic Biology                    |
|                 | KOBAYASHI, Satoru | Professor, Okazaki Institute for Integrative Bioscience            |
|                 | NISHIMURA, Mikio  | Professor, National Institute for Basic Biology                    |
|                 | NODA, Masaharu    | Professor, National Institute for Basic Biology                    |
|                 | TAKADA, Shinji    | Professor, Okazaki Institute for Integrative Bioscience            |
|                 | UENO, Naoto       | Professor, National Institute for Basic Biology                    |
|                 | YAMAMORI, Tetsuo  | Professor, National Institute for Basic Biology                    |

**■** National Institute for Basic Biology

| Research Units   |  |  |  |
|--|--|--|--|
| Cell Biology   | <ul> <li>Division of Cell Mechanisms</li> <li>Division of Molecular Cell Biology</li> <li>Division of Cell Proliferation (adjunct)</li> <li>Laboratory of Cell Structure</li> <li>Laboratory of Cell Sociology</li> </ul>  |  |  |
| Developmental Biology  | ■ Division of Morphogenesis ■ Division of Developmental Genetics † ■ Division of Molecular and Developmental Biology †† ■ Division of Embryology ■ Division of Germ Cell Biology ■ Division of Reproductive Biology ■ Division for Sex Differentiation ■ Laboratory of Molecular Genetics for Reproduction ■ Laboratory of Plant Organ Development |  |  |
| Neurobiology   | <ul> <li>Division of Molecular Neurobiology</li> <li>Division of Brain Biology</li> <li>Laboratory of Neurophysiology</li> <li>Laboratory of Neurochemistry</li> </ul>   |  |  |
| Evolutionary Biology and Biodiversity  | <ul> <li>Division of Molecular Genetics</li> <li>Division of Genome Dynamics</li> <li>Division of Evolutionary Biology</li> <li>Laboratory of Morphodiversity</li> <li>Laboratory of Bioresources</li> </ul>   |  |  |
| Environmental Biology  | <ul> <li>Division of Molecular Environmental Endocrinology †††</li> <li>Division of Plant Developmental Genetics (adjunct)</li> <li>Division of Photobiology (adjunct)</li> <li>Laboratory of Photoenvironmental Biology</li> </ul>  |  |  |
| Theoretical Biology  | <ul><li>Division of Theoretical Biology</li><li>Laboratory of Genome Informatics</li></ul>   |  |  |
| Imaging Science  | <ul><li>Division of Developmental Dynamics (adjunct)</li><li>Laboratory for Spatiotemporal Regulations</li></ul>   |  |  |
| Research Support Units   |  |  |  |
| Research Support Facilities  | The Large Spectrograph Laboratory Tissue and Cell Culture Laboratory   |  |  |
| Center for Transgenic Animals and Plants   | Computer Laboratory Plant Culture Laboratory   |  |  |
| Research Center for Integrative and<br>Computational Biology                       |  |  |  |
| Other Research Support Sections  |  |  |  |
| Technical Division   | Strategic Planning Department  |  |  |
| Okazaki Research Facilities  |  |  |  |
| Okazaki Institute for Integrative Bioscience                                       | Department of Development, Differentiation and Regeneration  Division of Developmental Genetics *  |  |  |
| Center for Radioisotope Facilities   | Division of Molecular and Developmental Biology **  Department of Bio-Environmental Science  |  |  |
| Center for Experimental Animal   | Division of Bio-Environmental Science ***  Department of Strategic Methodology   |  |  |
| Research Center for Computational Science  | *.***)These divisions also function as NIBB's divisions (-1+1+) , respectively. Other divisions of the OIIB are not shown.   |  |  |
| Research Facilities run jointly with National Institute for Physiological Sciences |  |  |  |
| Center for Analytical Instruments  | Laboratory Glassware Facilities  Electron Microscope Center  Machine Shop  Low-Temperature Facilities  |  |  |