

Planning and Implementation of the External Review

In April 2002, on the decision of Dean Takaaki Kirino and with the agreement of senior faculty members, a planning committee for external review was formed. The planning committee comprised Professors Nobutaka Hirokawa, Ryozo Nagai, Hirokazu Nagawa, Hiroshi Kurita, Susumu Wakai, and myself. We began designing the structure of the external review and selecting the reviewers. The purpose of the external review was to obtain information that would help us improve our research activities and maintain them at the highest international level. All senior faculty members chairing departments in the Graduate School of Medicine were subject to review; they were asked to prepare descriptions of the research activities of their group, providing a list of the current members of the department, an outline of the department's past and current research, descriptions of up to five major research grants obtained in the past five years, and a list of no more than 50 of the best papers published by the group. These documents were assembled and edited by the planning committee and printed as a single volume. In addition, all reviewees were asked to provide copies of their ten most important papers.

The committee of reviewers comprised 21 experts of high international repute, 11 from Japan and 10 from other countries, headed by Professor Erwin Neher. (The committee members are listed on page 8.) The reviews covered activities in all areas of research, from basic and clinical medicine to public health and nursing. Each reviewee was reviewed by the two most appropriate reviewers, one from Japan and one from another country. In December 2002, each reviewer received a copy of the bound volume outlining research activities, copies of the ten most important papers of their reviewees, and instructions regarding the procedures and scope of the evaluation. Each reviewer was requested to begin an in-depth examination of their reviewees' research activities, on the basis of these materials. On February 18 and 19, 2003, the external review committee visited the Graduate School of Medicine to hear presentations by all reviewees and to make their final evaluations. The presentations were grouped into four areas: basic medicine, internal medicine and related fields, surgical sciences, and social medicine and nursing. Presentations in the four areas were given in parallel in the Medical Research and Teaching Building, as shown in the schedule on page 10.

All evaluations were collected at the end of the visit, and were sent immediately to Professors Ito in Group 1, Saruta in Group 2, Kakita in Group 3, and Aoki in Group 4, who were asked to prepare summaries for their groups, and to Professor Neher, who prepared the executive summary. The summaries are published here.

Hiroto Okayama, MD, PhD
Chair
Planning Committee for External Review

Alphabetical List of External Reviewers

Aoki, Yoshiki MD & PhD	Professor, Chairman and Director Nagasaki University, Institute of Tropical Medicine, Japan "Parasitology"
Holzemer, William L. RN, PhD, FAAN	Professor, Chair and Associate Dean for International Programs Department of Community Health Systems, School of Nursing, University of California San Francisco, USA "AIDS Nursing Care"
Ito, Masao MD & PhD	Director Brain Science Institute, RIKEN, Japan "Brain"
Julien, Jean Pierre PhD	Professor Department of Neurology, McGill University Faculty of Medicine, Canada "Neuronal Intermediate Filaments and Amyotrophic Lateral Sclerosis"
Kakita, Akira MD & PhD	Professor, Chairman and Hospital Director Department of Surgery, Kitazato University School of Medicine, Japan "Gastrointestinal Surgery and Liver Transplantation"
Kakizoe, Tadao MD & PhD	President National Cancer Center, Japan "Urology and Bladder Cancer"
Kitamura, Yukihiro MD & PhD	Professor and Chairman Department of Pathology, Osaka University Medical School, Japan "Hematopoiesis, Hematopoietic Stem Cell and Tumor"
McCarley, Robert William MD	Professor and Head Department of Psychiatry, Harvard Medical School, USA "Neurobiology and Behavior: Basic Sleep Research & Brain Imaging in Schizophrenia"
McGarvey, Stephen PhD	Professor of Community Health and Director of International Health Institute Brown University Medical School, USA "Human Population Biology and International Health"
Neher, Erwin PhD	Professor and Director The Membrane Biophysics Department, The Max-Planck-Institut für biophysikalische Chemie, Germany "Patch Clamp and Exocytosis"
Nilsson, Kenneth PhD & MD	Professor Department of Cellular Pathology, University of Uppsala, Sweden "Immunology, Tumor Biology and Virology"

Nozawa, Shiro MD & PhD	Professor and Chairman Department of Obstetrics and Gynecology, School of Medicine, Keio University, Japan "Gynecologic Cancer"
Ogihara, Toshio MD & PhD	Professor, Chairman and Hospital Vice-Director Department of Geriatric Medicine, Osaka University Medical School, Japan "Hypertension"
Park, Jae-Gahb MD & PhD	Professor Department of Surgery, Seoul National University College of Medicine President National Cancer Center, Korea "Surgical Oncology"
Podolsky, Daniel K. MD	Mallinckrodt Professor of Medicine Harvard Medical School, Massachusetts General Hospital, USA "Hormonal Signaling in the Gastrointestinal Tract"
Saruta, Takao MD & PhD	Professor and Chairman Department of Internal Medicine, School of Medicine, Keio University, Japan "Hypertension, Adrenal Disorders and Water-Electrolyte Balance"
Schmelzeisen, Rainer MD & DDS	Professor and Chairman Oral and Maxillofacial Surgery, Plastic Surgery, University- Clinic Freiburg Albert-Ludwigs-University, Germany "Bone Metabolism and Cancer"
Sonenberg, Nahum PhD	Professor Department of Biochemistry and McGill Cancer Center, McGill University Faculty of Medicine, Canada "Eukaryotic Translation Control"
Toyoshima, Kumao MD & PhD	Director SNP Research Center, RIKEN, Japan "Cancer Biology and Virology"
Tsumoto, Tadaharu MD & PhD	Professor and Chairman Department of Neurophysiology, Osaka University, Graduate School of Medicine, Japan "Neurophysiology and Optical Center"
Ueda, Reiko PhD	President Okinawa Prefectural Collage of Nursing, Japan "Child Health Nursing"

Schedule of External Review Presentation

Feb. 17								
9:00-9:20	Introduction of reviewers (Tetsumon Memorial Hall)							
	Group 1 Room 1305		Group 2 Room 1304B		Group 3 Room 1303		Group 4 Room 1302	
	Speakers	Reviewers	Speakers	Reviewers	Speakers	Reviewers	Speakers	Reviewers
9:30-10:00	Takao Shimizu, Cellular Signaling	Jean Pierre Julien Tadaharu Tsumoto	Satoshi Kimura, Infection Control & Prevention	Daniel K. Podolsky Takao Saruta	Yuji Taketani, Obstetrics & Gynecology	Rainer Schmelzeisen Shiro Nozawa	Yasuki Kobayashi, Public Health	Stephen McGarvey Yoshiki Aoki
10:00-10:30	Hiroto Okayama, Molecular Biology	Nahum Sonenberg Kumao Toyoshima	Kuni Ohtomo, Radiology	Daniel K. Podolsky Takao Saruta	Osamu Tsutsumi, Gynecologic Surgery	Rainer Schmelzeisen Shiro Nozawa	Kazuhiro Ohe, Medical Informatics and Economics	Stephen McGarvey Yoshiki Aoki
10:30-11:00	Nobutaka Hirokawa, Cell Biology & Anatomy	Jean Pierre Julien Tadaharu Tsumoto	Nobumasa Kato, Neuropsychiatry	Robert W. McCarley Toshio Ogihara	Kohei Hashizume, Pediatric Surgery	Tadashi Kakizoe Akira Kakita	Hiroshi Kurita, Mental Health	William L. Holzemer Reiko Ueda
	Coffee break (20min)							
11:20-11:50	Hiroki Kurihara, Physiological Chemistry	Jean Pierre Julien Tadaharu Tsumoto	Shoji Tsuji, Neurology	Robert W. McCarley Toshio Ogihara	Shinichi Takamoto, Cardiothoracic Surgery	Jae-Gahb Park Tadao Kakizoe	Ichiro Kai, Social Gerontology	William L. Holzemer Reiko Ueda
11:50-12:20	Yasushi Miyashita, Integrative Physiology & Metabolism	Erwin Neher Masao Ito	Kazuhiro Yamamoto, Allergy and Rheumatology	Daniel K. Podolsky Takao Saruta	Michio Kaminishi, Gastrointestinal Surgery	Jae-Gahb Park Tadao Kakizoe	Akira Akabayashi, Health Economics/Health Promotion Science/ Biomedical Ethics	William L. Holzemer Reiko Ueda
12:20-12:50	Kensaku Mori, Cellular & Molecular Physiology	Erwin Neher Masao Ito	Masao Omata, Gastroenterology	Daniel K. Podolsky Takao Saruta	Masatoshi Makuuchi, Hepato-Biliary- Pancreatic Surgery	Jae-Gahb Park Tadao Kakizoe	Yasuo Ohashi, Biostatistics/Epidemiology Epidemiology & Preventive Health Sciences	William L. Holzemer Reiko Ueda
	Lunch (70min)							
14:00-14:30	Tomoyuki Takahashi, Neurophysiology	Erwin Neher Masao Ito	Toshiro Fujita, Nephrology and Endocrinology	Daniel K. Podolsky Takao Saruta	Tadaichi Kitamura, Urology	Jae-Gahb Park Akira Kakita	Katsuya Kanda, Advanced Clinical Nursing/ Nursing Administration	William L. Holzemer Reiko Ueda
14:30-15:00	Masamitsu Iino, Cellular & Molecular Pharmacology	Erwin Neher Masao Ito	Ryoza Nagai, Cardiovascular Medicine	Daniel K. Podolsky Takao Saruta	Hirokazu Nagawa, Surgical Oncology	Jae-Gahb Park Tadao Kakizoe	Keiko Kazuma, Adult Nursing/ Terminal & Long-term Care Nursing	William L. Holzemer Reiko Ueda
15:00-15:30	Masayoshi Mishina, Molecular Neurobiology	Erwin Neher Masao Ito	Tomifusa Kuboki, Psychosomatic Medicine	Robert W. McCarley Toshio Ogihara	Kunihiko Tamaki, Dermatology	Rainer Schmelzeisen Shiro Nozawa	Chieko Sugishita, Family Nursing	William L. Holzemer Reiko Ueda
	Coffee break (20min)							
15:50-16:20	Masashi Fukayama, Human Pathology	Kenneth Nilsson Yukihiko Kitamura	Kazuhiro Nakahara, Clinical Laboratory Medicine	Robert W. McCarley Toshio Ogihara	Kiyonori Harii, Plastic & Reconstructive Surgery	Rainer Schmelzeisen Shiro Nozawa	Sachiyo Murashima, Community Health Nursing	William L. Holzemer Reiko Ueda
16:20-16:50	Kohei Miyazono, Molecular Pathology	Kenneth Nilsson Yukihiko Kitamura	Yasuyoshi Ouchi, Geriatric Medicine/ Aging Research	Robert W. McCarley Toshio Ogihara	Tsuyoshi Takato, Oral & Maxillofacial Surgery	Rainer Schmelzeisen Shiro Nozawa	Susumu Wakai, International Community Health	Stephen McGarvey Yoshiki Aoki
16:50-17:20	Kouji Matsushima, Molecular Preventive Medicine	Nahum Sonenberg Kumao Toyoshima			Kozo Nakamura, Orthopaedic Surgery	Jae-Gahb Park Akira Kakita	Katsushi Tokunaga, Human Genetics	Stephen McGarvey Yoshiki Aoki
Feb. 18								
9:30-10:00	Akio Nomoto, Microbiology	Nahum Sonenberg Kumao Toyoshima	Teruhiko Toyo-oka, Organ Pathophysiology & Internal Medicine	Daniel K. Podolsky Takao Saruta	Makoto Araie, Ophthalmology	Rainer Schmelzeisen Shiro Nozawa	Hiroshi Ushijima, Developmental Medical Sciences	Stephen McGarvey Yoshiki Aoki
10:00-10:30	Tadatsugu Taniguchi, Immunology	Nahum Sonenberg Kumao Toyoshima	Takashi Igarashi, Pediatrics/Develop- mental Pediatrics	Robert W. McCarley Toshio Ogihara	Kimitaka Kaga, Otorhinolaryngology, Head and Neck Surgery	Rainer Schmelzeisen Shiro Nozawa	Ryutaru Ohtsuka, Human Ecology	Stephen McGarvey Yoshiki Aoki
10:30-11:00	Takaaki Kirino, Neurosurgery	Jean Pierre Julien Tadaharu Tsumoto			Fumio Eto, Rehabilitation Medicine	Jae-Gahb Park Akira Kakita	Kiyoshi Kita, Biomedical Chemistry	Stephen McGarvey Yoshiki Aoki
	Coffee break (20min)							
11:20-11:50	Joji Ando, System Physiology	Kenneth Nilsson Yukihiko Kitamura			Kazuo Hanaoka, Anesthesiology	Tadao Kakizoe Akira Kakita		
11:50-12:20	Shoogo Ueno, Biomedicine & Biomagnetics	Kenneth Nilsson Yukihiko Kitamura			Naoki Yahagi, Emergency & Critical Care Medicine	Tadao Kakizoe Akira Kakita		
12:20-12:50	Kou Imachi, Biosystem Construction & Control	Kenneth Nilsson Yukihiko Kitamura						
	Lunch (70min)							
14:00-14:30	Yasuo Ihara, Neuropathology	Jean Pierre Julien Tadaharu Tsumoto						
14:30-15:00	Morihiro Sugishita, Cognitive Neuroscience	Jean Pierre Julien Tadaharu Tsumoto						
15:00-15:30	Norio Suzuki, Radiation Oncology	Nahum Sonenberg Kumao Toyoshima						
	Coffee break (20min)							
15:50-16:20	Ken-ichi Yoshida, Forensic Medicine	Kenneth Nilsson Yukihiko Kitamura						
16:20-16:50	Kunio Shinohara, Radiation Research Institute	Nahum Sonenberg Kumao Toyoshima						
18:00-20:00	Reception at Seiyoken, 15th floor of University Hospital							