Clinical and Molecular Endocrinology

1. Staffs and Students (April, 2009)
Professor Yukio Hirata
Associate Professor Masayoshi Shichiri
Lecturer Isao Uchimura
Assistant Professor Takanobu Yoshimoto, Ryuji Koyama, Hajime Izumiyama
Resident Toru Sugiyama, Masatomo Mihara, Tadao Iburi, Mihoko Sugiyama, Mina Yamaguchi, Koichi Itoh
Graduate Students Kiichiro Hiraishi, Michiya Kida, Naoko Sekizawa, Yuji Tani, Eri Hayakawa, Itaru Akaza, Noriko Suzuki, Tae Nakano, Yoshihiro Yamazaki, Masako Kato, Yuko Tateishi, Takako Asano
Research Students Munehiro Ikebukuro, Koji Hagiwara
Secretaries Kimie Takano, Yasuko Tsuchiya

2. Purpose of Education
Our training program enables postdoctoral trainees to prepare for the future academic careers and the clinical practice in the broad discipline of endocrinology and metabolism. The research program provides mentor-based training in experimental design, laboratory and clinical research techniques and methodology, and interpretation and analysis of the results obtained from cellular and molecular biology, physiology, clinical physiology, clinical therapeutics, and health sciences. This training program is designed to educate and establish ‘physician・scientist’ in the field of endocrinology and metabolism.

3. Research Subjects
1) Physiological and pathophysiological role(s) of vasoactive hormones
2) In-silico analysis of novel bioactive peptides
3) Mechanism of endothelial dysfunction in diabetes, endocrine and metabolic diseases
4) Mechanism of pathogenesis in endocrine tumors
5) Development of novel diagnostic and therapeutic tools in endocrine and metabolic diseases

4. Clinical Services
Comprehensive inpatient and outpatient services in the area of endocrine and metabolic disorders, including:
• diseases of the thyroid, pituitary and adrenal glands.
• diabetes mellitus, diabetic complications, metabolic syndrome, and obesity
• primary and secondary hypertension
• disorders of calcium metabolism

5. Publications
1) Peer-reviewed Journal

2) International Meeting