



宮崎大学 21 世紀 COE プログラム
2006 COE 国際シンポジウム

The 21st Century COE Program 2006 COE International Symposium of University of Miyazaki

Physiologically Active Peptides Controlling Biological Systems

August 29, 2006 9:00~20:00

Venue: Miyazaki Convention Center Summit

Physiologically Active Peptides Controlling Biological Systems

August 29, 2006 9:00~20:00

Venue: Miyazaki Convention Center Summit

Organizing Committee

<i>Hisayuki Matsuo</i>	<i>Akinobu Sumiyoshi</i>
<i>Tatsuo Nakayama</i>	<i>Yukifumi Nawa</i>
<i>Hiroshi Kannan</i>	<i>Tanenao Eto</i>
<i>Masamitsu Nakazato</i>	<i>Kazuo Kitamura</i>
<i>Masayasu Kojima</i>	<i>Kazuhiro Morishita</i>
<i>Yujiro Asada</i>	<i>Hiroaki Kataoka</i>
<i>Akihiko Wada</i>	<i>Tatsuo Suganuma</i>
<i>Tetsuya Hayashi</i>	<i>Kazunori Imaizumi</i>
<i>Noboru Murakami</i>	<i>Kenji Hiromatsu</i>

Opening Remarks 9:00~9:15

Hisayuki Matsuo (University of Miyazaki)

PLENARY SESSION I 9:15~10:30

Chairs; *Masamitsu Nakazato (University of Miyazaki)*

Tetsuya Hayashi (University of Miyazaki)

- 1) PEPTIDOME database and identification of new physiologically active peptides

Naoto Minamino (National Cardiovascular Center)

- 2) VGF is a neurotrophin-regulated peptide precursor that modifies behavior

Stephen R. Salton (Mount Sinai School of Medicine)

Coffee Break 10:30~10:45

SHORT TALK SESSION 10:45~12:15

Chairs; *Yujiro Asada (University of Miyazaki)*

Hiroaki Kataoka (University of Miyazaki)

Tatsuo Suganuma (University of Miyazaki)

***Oral Presentation* (10:45~11:45)**

- 1) Role of von Willebrand factor in thrombus propagation in atherosclerotic lesions

Atsushi Yamashita (Division of Pathophysiology, Department of Pathology)

- 2) Roles of insulin-like growth factor binding protein-2 (IGFBP-2) in invasive growth of glioblastoma cells

Tsuyoshi Fukushima (Division of Oncopathology and Regenerative Biology, Department of Pathology)

- 3) Up- and down-regulation of insulin receptor signaling molecules by intracellular signals and therapeutic drugs in adrenal chromaffin cells

Shinya Satoh (Division of Pharmacology, Department of Medical Sciences)

- 4) Adventitial biology and adrenomedullin in prevention of cardiovascular diseases

Toshihiro Tsuruda (Division of Circulatory and Body Fluid Regulation, Department of Internal Medicine)

- 5) Functional analyses of histone acetyltransferase 1 (HAT1) in chicken DT40 cells
Hirak Kumar Barman (Division of Biochemistry and Molecular Biology, Department of Medical Sciences)
- 6) Autophagy induced by endoplasmic reticulum stress
Maiko Ogata (Division of Molecular and Cellular Biology, Department of Anatomy)

Poster Presentation (11:45~12:15)

- 1) Endoplasmic reticulum stress response in dendrites of primary neurons
Tomohiko Murakami (Division of Molecular and Cellular Biology, Department of Anatomy)
- 2) A chemical compound, BIX, protects cells from neuronal death induced by ER stress via induction of an ER molecular chaperone
Soshi Kanemoto (Division of Molecular and Cellular Biology, Department of Anatomy)
- 3) Central action of neuropeptide W on cardiovascular function in conscious rats
Yu Nan-Shou (Division of Integrative Physiology, Department of Medical Sciences)
- 4) Ultrastructural transformation of gastric parietal cells reverting from the active to the resting state of acid secretion revealed in isolated rat gastric mucosa model processed by high-pressure freezing
Akira Sawaguchi (Division of Ultrastructural Cell Biology, Department of Anatomy)
- 5) Effects of tachykinin-related peptides, hemokinin and endokinins, on pain behavior in the rat
Tetsuya Ikeda (Division of Neurobiology, Department of Anatomy)
- 6) The transcriptional regulation of GATA-2 by EVI1 involved in leukemogenesis
Akiko Shimahara (Division of Tumor and Cellular Biochemistry, Department of Medical Sciences)
- 7) The roles for ghrelin and des-acyl ghrelin in the regulation of feeding behavior
Koji Toshinai (Division of Neurology, Respiriology, Endocrinology and Metabolism Department of Internal Medicine)

- 8) Therapeutic effects of a novel free radical scavenger, edaravone, in hypoxic-ischemic brain damage in neonatal rat

Jesmin Ishrat Noor (Division of Neurology, Respiriology, Endocrinology and Metabolism Department of Internal Medicine, Department of Obstetrics and Gynecology)

- 9) A systematic screening of hemolysin genes in an *Aeromonas sobria* strain isolated from a patient with necrotizing soft tissue infection

Sunao Tateyama (Division of Dermatology, Department of Medicine of Sensory and Motor Organs)

- 10) Identification of the hyaluronidase gene by using fosmid library in an *Aeromonas hydrophila* strain isolated from a patient with lethal sepsis

Hiroshi Matsuoka (Division of Anesthesiology and Intensive Care, Department of Pathophysiological Diagnosis and Therapy)

- 11) Effects of ghrelin and des-acylghrelin on neurogenesis of the rat fetal spinal cord

Shintaro Goto (Department of Veterinary Physiology, Faculty of Agriculture)

- 12) A novel strategy for quantitative proteomics using IC3 and IC5 protein labels

Yoichi Sakakibara (Department of Biochemistry and Applied Biosciences, Faculty of Agriculture)

- 13) Aquaporin-11 (AQP11) forms oligomers and resides in the endoplasmic reticulum

Mariko Shimono, Masahiro Ikeda (Department of Veterinary Pharmacology, Faculty of Agriculture)

- 14) Involvement of vasopressin V1b receptor in the anti-anxiety action of SSRI and SNRI in mice

Yuta Ishizuka (Division of Psychiatry, Department of Clinical Neuroscience)

- 15) Central effects of calcitonin receptor-stimulating peptides on energy homeostasis in rats

Hirotake Sawada (Division of Pediatrics, Department of Reproductive and Developmental Medicine)

Lunch 12:15~13:15

POSTER SESSION 13:15~14:00 (Coffee Service)

Chair; *Noboru Murakami (University of Miyazaki)*

PLENARY SESSION II 14:00~15:50

Chairs; *Kazunori Imaizumi (University of Miyazaki)*

Akihiko Wada (University of Miyazaki)

- 1) Corticotropin-releasing factor (CRF) signaling pathways and stress response
Yvette Taché (University of California, Los Angeles)
- 2) Metabolism of amyloid β peptide and pathogenesis of Alzheimer's disease
—Towards prevention and therapy—
Takaomi C. Saido (RIKEN Brain Science Institute)
- 3) Functional diversity of PACAP in the CNS: neuroprotection and neurodevelopment
Seiji Shioda (Showa University)

Coffee Break 15:50~16:10

PLENARY SESSION III 16:10~17:25

Chairs; *Kazuo Kitamura (University of Miyazaki)*

Kazuhiro Morishita (University of Miyazaki)

- 1) New peptide-based protein profiling technology for clinical proteomics
Ryuji Kobayashi (The University of Texas)
- 2) Vascular action of adrenomedullin in ischemia and endothelial dysfunction
Yasunobu Hirata (University of Tokyo)

Closing Remarks 17:25~17:35

Akinobu Sumiyoshi (University of Miyazaki)

Banquet 18:00~20:00

Meeting Summary and Closure

Tanenao Eto (University of Miyazaki)

Hiroshi Kannan (University of Miyazaki)

Yukifumi Nawa (University of Miyazaki)



**The 21st Century COE Program
2006 COE International Symposium of
University of Miyazaki
in REGPEP'06**

Le Meridien Pacific Tokyo August 30, 2006
Hakone Prince Hotel August 31 ~ September 2, 2006

August 31, 2006

Chair ; *Masamitsu Nakazato (University of Miyazaki)*

Speaker ; *Stephen R. Salton (Mount Sinai School of Medicine)*