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Bull Yamaguchi Med School 58(3-4): 2011

## List of Doctoral Dissertations in 2010

- A. 1192 Hitoshi UCHINOUMI:  
Catecholaminergic polymorphic ventricular tachycardia is caused by mutation-linked defective conformational regulation of the ryanodine receptor.  
Division of Medicine and Clinical Science, Department of Medical Bioregulation, Yamaguchi University Graduate School of Medicine.
- A. 1193 Xiaojuan XU:  
Dissociation of calmodulin from ryanodine receptor plays a critical role in CPVT-associated channel disorder.  
Division of Medicine and Clinical Science, Department of Medical Bioregulation, Yamaguchi University Graduate School of Medicine.
- A. 1194 Yuko YAKABE:  
糖尿病患者における白内障手術侵襲に対する角膜内皮の脆弱性。  
Division of Ophthalmology, Department of Epithelial Intelligent and Analytical Medicine Science, Yamaguchi University Graduate School of Medicine.
- A. 1195 Katumi TSUJI:  
Breast cancer cell lines carry cell line-specific genomic alterations that are distinct from aberrations in breast cancer tissues: Comparison of the CGH profiles between cancer cell lines and primary cancer tissues.  
Division of Molecular Pathology, Department of Molecular Science and Applied Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1196 Satoshi EGUCHI:  
The loss of 8p23.3 is a novel marker for predicting progression and recurrence of bladder tumors without muscle invasion.  
Division of Urology, Department of Epithelial Intelligent and Analytical Medicine Science, Yamaguchi University Graduate School of Medicine.
- A. 1197 Makoto ONO:  
Dissociation of calmodulin from cardiac ryanodine receptor causes aberrant Ca<sup>2+</sup> release in heart failure.  
Division of Medicine and Clinical Science, Department of Medical Bioregulation, Yamaguchi University Graduate School of Medicine.
- A. 1198 Satoshi KUTSUNA:  
Cholinergic agonist physostigmine suppresses excessive superoxide anion radical generation in blood, oxidative stress, early inflammation, and endothelial injury in rats with forebrain ischemia/reperfusion.  
Division of Emergency and Critical Care Medicine, Department of Stress and Bio-response Medicine, Yamaguchi University Graduate School of Medicine.

- A. 1199 Yasutaka KOGA:  
Urinary trypsin inhibitor suppresses excessive superoxide anion radical generation in blood, oxidative stress, early inflammation, and endothelial injury in forebrain ischemia/reperfusion rats.  
Division of Emergency and Critical Care Medicine, Department of Stress and Bio-response Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1200 Kumiko TABA:  
KNK437 down-regulates HSP27 of pancreatic cancer cells, and helps the cytotoxic effect of gemcitabine.  
Division of Gastroenterology and Hepatology, Department of Molecular Science and Applied Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1201 Chikako FUKUSHIMA:  
Comparative proteomic profiling in squamous cell carcinoma of the uterine cervix.  
Division of Obstetrics and gynecology, Department of Reproductive and Developmental Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1202 Shigenari YAMATOI:  
Evaluation of small ischemic lesions after carotid artery stenting: the usefulness of thin-slice diffusion-weighted MR imaging.  
Division of Radiology, Department of Radiological and Pathological Science, Yamaguchi University Graduate School of Medicine.
- A. 1203 Ken TANIGUCHI:  
Prostaglandin F<sub>2α</sub> (PGF<sub>2α</sub>) stimulates PTGS2 expression and PGF<sub>2α</sub> synthesis through NFκB activation via reactive oxygen species in the corpus luteum of pseudo-pregnant rats.  
Division of Obstetrics and gynecology, Department of Reproductive and Developmental Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1204 Hiromi SUENAGA:  
Arteriosclerosis and vascular endothelial function in chronic liver disease.  
Division of Laboratory Medicine, Department of Clinical and biomedical information science, Yamaguchi University Graduate School of Medicine.
- A. 1205 Susumu MURATA:  
The Doppler cerebroplacental ratio predicts non-reassuring fetal status in intrauterine growth restricted fetuses at term.  
Division of Obstetrics and gynecology, Department of Reproductive and Developmental Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1206 Yoshiteru NAKASHIMA:  
Evaluation of image quality on a per-patient, per-vessel, and per-segment basis by noninvasive coronary angiography with 64-section CT: Dual-source CT versus single-source CT.  
Division of Radiology, Department of Radiological and Pathological Science, Yamaguchi University Graduate School of Medicine.

- A. 1207 Yoshinori TANAKA:  
Alteration of adipokines during peripheral blood stem cell mobilization induced by granulocyte colony-stimulation factor.  
Division of Endocrinology, Metabolism, Hematological Sciences and Therapeutics, Department of Bio-Signal Analysis, Yamaguchi University Graduate School of Medicine.
- A. 1208 Noriyuki MITANI:  
Hematopoietic progenitor cell count, but not immature platelet fraction value, predicts successful harvest of autologous peripheral blood stem cell.  
Division of Endocrinology, Metabolism, Hematological Sciences and Therapeutics, Department of Bio-Signal Analysis, Yamaguchi University Graduate School of Medicine.
- A. 1209 Masayuki HATANAKA:  
Wolfram syndrome 1 gene (*WFS1*) product localizes to secretory granules and determines granule acidification in pancreatic beta cells.  
Division of Endocrinology, Metabolism, Hematological Sciences and Therapeutics, Department of Bio-Signal Analysis, Yamaguchi University Graduate School of Medicine.
- A. 1210 Chikage OHSHITA:  
Impact of intraoperative transesophageal echocardiography in cardiac and thoracic aortic surgery: Experience in 1011 cases.  
Division of Medicine and Clinical Science, Department of Medical Bioregulation, Yamaguchi University Graduate School of Medicine.
- A. 1211 Yoshihiro TAKEMOTO:  
Surgical injury accelerates tumor growth by inducing mobilization and recruitment of bone marrow-derived stem cells.  
Division of Surgery and Clinical Science, Department of Medical Bioregulation, Yamaguchi University Graduate School of Medicine.
- A. 1212 Yoshitaro SAKATA:  
Optical Coherence Strainography.  
Applied Medical Engineering Science, Yamaguchi University Graduate School of Medicine.
- A. 1213 Yasutaka SUZUKI:  
Fabrication of highly transparent inorganic-organic hybrid materials and their application as two-photon absorption materials.  
Applied Molecular Bioscience, Yamaguchi University Graduate School of Medicine.
- A. 1214 Toshiyuki OOISHI:  
Splenectomy reduces fibrosis and preneoplastic lesions with increased triglyceride and essential fatty acid in rat liver cirrhosis induced by a choline-deficient L-amino acid-defined diet.  
Division of Gastroenterology and Hepatology, Department of Molecular Science and Applied Medicine, Yamaguchi University Graduate School of Medicine.

- A. 1215 Shu KIYOTOKI:  
Usefulness of magnifying endoscopy with narrow-band imaging for determining gastric tumor margin.  
Division of Gastroenterology and Hepatology, Department of Molecular Science and Applied Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1216 Satoe HAMABE:  
Hepatic arterial infusion chemotherapy for advanced hepatocellular carcinoma: Is the addition of subcutaneous interferon- $\alpha$ -2b beneficial?  
Division of Gastroenterology and Hepatology, Department of Molecular Science and Applied Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1217 Masahito TSUTSUI:  
Methylated cyclin D2 gene circulating in the blood as a prognosis predictor of hepatocellular carcinoma.  
Division of Digestive Surgery and Surgical Oncology, Department of Molecular Science and Applied Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1218 Shinya KUWASHIRO:  
Telmisartan improved nonalcoholic steatohepatitis in medaka (*Oryzias latipes*) by reducing macrophage infiltration and fat accumulation.  
Division of Gastroenterology and Hepatology, Department of Molecular Science and Applied Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1219 Kousuke OKITA:  
A set of genes associated with the interferon-gamma response of lung cancer patients undergoing alpha-galactosylceramide-pulsed dendritic cell therapy.  
Division of Gastroenterology and Hepatology, Department of Molecular Science and Applied Medicine, Yamaguchi University Graduate School of Medicine.
- A.1220 Shingo ISHIKAWA:  
硫黄求核剤を用いた不斉ドミノ反応の開発とその生理活性天然物合成への応用。  
Applied Molecular Bioscience, Yamaguchi University Graduate School of Medicine.
- A. 1221 Shigehiro YAMAMOTO:  
イオン液体を用いたプラスチックの新しい解重合反応。  
Applied Molecular Bioscience, Yamaguchi University Graduate School of Medicine.
- A. 1222 Saori YAMADA:  
地域における住民組織メンバーの活動意欲向上に関する保健師の支援。  
Faculty of Health Sciences, Yamaguchi University School of Medicine.
- A. 1223 Takahiro KAKEDA:  
Sweet Stimulus Reduces Acute Pain in Human Adults via Prevention of Neuronal Activation in Sensory-Limbic Systems.  
Faculty of Health Sciences, Yamaguchi University School of Medicine.
- A. 1224 Megumi HARANO:  
Clinical impact of endoscopic papillectomy for benign-malignant borderline lesions of the major duodenal papilla.  
Division of Gastroenterology and Hepatology, Department of Molecular Science and Applied Medicine, Yamaguchi University Graduate School of Medicine.

- A. 1225 Hirotaka DEGUCHI:  
A study on analysis of possible association of single-nucleotide polymorphisms in the methylenetetrahydrofolate reductase gene with psoriasis in a Japanese population.  
Division of Dermatology, Department of Epithelial Intelligent and Analytical Medicine Science, Yamaguchi University Graduate School of Medicine.
- A.1226 Hiroto OHNARI:  
Effect of microbubble bathing of lower extremities on peripheral circulation.  
Division of Hygiene, Department of Environmental, Humanity and Health System Science, Yamaguchi University Graduate School of Medicine.
- A. 1227 Yukio TAKESHITA:  
Intracellular Interaction of Stigmoid Body with Representative Neurological and Psychiatric Disorders.  
Division of Functional Neuroanatomy, Department of Neuroscience, Yamaguchi University Graduate School of Medicine.
- A. 1228 Chiyomi OSHIMA:  
Increase in plasma glucagon, a factor in hyperglycemia, is related to neurological outcome in postcardiac-arrest patients.  
Division of Emergency and Critical Care Medicine, Department of Stress and Bio-response Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1229 Takeshi YAGI:  
Global end-diastolic volume, serum osmolarity, and albumin are risk factors for increased extravascular lung water.  
Division of Emergency and Critical Care Medicine, Department of Stress and Bio-response Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1230 Kozo ISHIKAWA:  
Possible Involvement of Brain-Derived Neurotrophic Factor in Analgesic Effects of 4-Methylcatechol on Neuropathic Pain.  
Division of Emergency and Critical Care Medicine, Department of Stress and Bio-response Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1231 Yasuo SUZUKI:  
Anti-inflammatory effect of  $1\alpha, 25$ -dihydroxyvitamin  $D_3$  in human coronary arterial endothelial cells: Implication for treatment of Kawasaki disease.  
Division of Development and Clinical immunology in pediatric diseases, Department of Reproductive and Developmental Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1232 Reiji HIRANO:  
Human Thymic Stromal Lymphopoietin enhances expression of CD80 in human CD14<sup>+</sup> monocytes/macrophages.  
Division of Development and Clinical immunology in pediatric diseases, Department of Reproductive and Developmental Medicine, Yamaguchi University Graduate School of Medicine.

- A. 1233 Yoshitaka NAKAMURA:  
Silencing HSF1 by short hairpin RNA decreases cell proliferation and enhances sensitivity to hyperthermia in human melanoma cell lines.  
Division of Dermatology, Department of Epithelial Intelligent and Analytical Medicine Science, Yamaguchi University Graduate School of Medicine.
- A. 1234 Toshiyuki OKADA:  
*TWIST1* hypermethylation is observed frequently in colorectal tumors and its overexpression is associated with unfavorable outcomes in patients with colorectal cancer.  
Division of Laboratory Medicine, Department of Clinical and biomedical information science, Yamaguchi University Graduate School of Medicine.
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- B. 1045 Tatsuya OHNUKI:  
Transcriptome analysis reveals molecular pathways associated with Parkinson's disease.  
Division of Systems Neuroscience, Department of Neuroscience, Yamaguchi University Graduate School of Medicine.
- B. 1046 Tomoki KATAGIRI:  
Proteomic Analysis of Proteins Expressing in Regions of Rat Brain by a Combination of SDS-PAGE with Nano-Liquid Chromatography-Quadrupole-Time of Flight Tandem Mass Spectrometry.  
Division of Genomics and Infectious Disease Control and Prevention, Department of Biomedical and Biomolecular Sciences, Yamaguchi University Graduate School of Medicine.
- B. 1047 Masafumi MATSUMURA:  
FTY720 mediates cytochrome c release from mitochondria during rat thymocyte apoptosis.  
Division of Urology, Department of Epithelial Intelligent and Analytical Medicine Science, Yamaguchi University Graduate School of Medicine.
- B.1048 Ryuichi ETO:  
Effects of hemofiltration on liver regeneration after hepatectomy.  
Division of Digestive Surgery and Surgical Oncology, Department of Molecular Science and Applied Medicine, Yamaguchi University Graduate School of Medicine.
- B. 1049 Toru GOHARA:  
Temporal profiles of aquaporin 4 expression and astrocyte response in the process of brain damage in fat embolism model in rats.  
Division of Anesthesiology, Department of Clinical Neuroscience, Yamaguchi University Graduate School of Medicine.
- B. 1050 Yasuhito ISHIDA:  
Decrease in intraocular pressure measured with a noncontact tonometer after orthokeratology.  
Division of Ophthalmology, Department of Epithelial Intelligent and Analytical Medicine Science, Yamaguchi University Graduate School of Medicine.