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Bull Yamaguchi Med School 57(3-4): 2010

## List of Doctoral Dissertations in 2009

- A. 1140 Rashed NOOR:  
Control of  $\sigma$ E-dependent Cell Death and Its Trigger in Escherichia Coil Stationary Phase.  
Applied Molecular Bioscience, Yamaguchi University Graduate School of Medicine.
- A. 1141 Shinichiro OTA:  
シェル理論に基づく光電脈波信号解析による動脈組織粘弾性推定に関する研究。  
Applied Medical Engineering Science, Yamaguchi University Graduate School of Medicine.
- A. 1142 Hiromasa TABATA:  
アカメガシワ葉の抗酸化活性及び活性成分の解析とヒト効果試験。  
Applied Molecular Bioscience, Yamaguchi University Graduate School of Medicine.
- A. 1143 Akio MARUYAMA:  
抗重力筋の加齢変化を抑制するための効果的な運動の開発。  
Applied Molecular Bioscience, Yamaguchi University Graduate School of Medicine.
- A. 1144 Masahito KURAMOCHI:  
Effects of Postnatal Isolation Rearing and Antidepressant Treatment on the Density of Serotonergic and Noradrenergic Axons and Depressive Behavior in Rats.  
Division of Systems Neuroscience, Department of Neuroscience, Yamaguchi University Graduate School of Medicine.
- A. 1145 Nobuhiro TANAKA:  
Effective Suppression of Hippocampal Seizures in Rats by Direct Hippocampal Cooling with a Peltier Chip.  
Division of Neurosurgery, Department of Clinical Neuroscience, Yamaguchi University Graduate School of Medicine.
- A. 1146 Takahiro YARA:  
Environmental Factors Involved in Axonal Regeneration Following Spinal Cord Transection in Rats.  
Division of Orthopedic Surgery, Department of Human Science, Yamaguchi University Graduate School of Medicine.
- A. 1147 Michiko TAMESA:  
Detection of Autoantibodies against Cyclophilin A and Triosephosphate Isomerase in Sera from Breast Cancer Patients by Proteomic Analysis.  
Division of Digestive Surgery and Surgical Oncology, Department of Molecular Science and Applied Medicine, Yamaguchi University Graduate School of Medicine.

- A. 1148 Atsuko TANIMURA:  
The Anti-Apoptotic Role of the Unfolded Protein Response in Bcr-Abl-positive Leukemia Cells.  
Division of Endocrinology, Metabolism, Hematological Sciences and Therapeutics, Department of Bio-Signal Analysis, Yamaguchi University Graduate School of Medicine.
- A. 1149 Mutsuko MIYAZAKI:  
DOC2b is a SNARE Regulator of Glucose-Stimulated Delayed Insulin Secretion.  
Division of Endocrinology, Metabolism, Hematological Sciences and Therapeutics, Department of Bio-Signal Analysis, Yamaguchi University Graduate School of Medicine.
- A. 1150 Shinsuke SUZUKI:  
Effects of Aldosterone on Cx43 Gap Junction Expression in Neonatal Rat Cultured Cardiomyocytes.  
Division of Medicine and Clinical Science, Department of Medical Bioregulation, Yamaguchi University Graduate School of Medicine.
- A. 1151 Kamruzzaman PRAMANIK  
Study on the Role of PTEN for Subcellular Localization of Myosin II in Dictyostelium Cells.  
Applied Molecular Bioscience, Yamaguchi University Graduate School of Medicine.
- A. 1152 Hirotaka YAMAGATA:  
Requirement of Voltage-Dependent Anion Channel 2 for Pro-Apoptotic Activity of Bax.  
Division of Neuropsychiatry, Department of Neuroscience, Yamaguchi University Graduate School of Medicine.
- A. 1153 Masahiko ONODA:  
Lysyl Oxidase Resolves Inflammation by Reducing Monocyte Chemoattractant Protein-1 in Abdominal Aortic Aneurysm.  
Division of Surgery and Clinical Science, Department of Medical Bioregulation, Yamaguchi University Graduate School of Medicine.
- A. 1154 Pattana KAKUMYAN:  
Studies on a Mushroom-Like Flavor Compound, 1-octen-3-ol.  
Applied Molecular Bioscience, Yamaguchi University Graduate School of Medicine.
- A. 1155 Yuko MORIYA:  
Analysis of Lipid Modifications of Proteins Using an Insect Cell-Free Protein Synthesis System.  
Applied Molecular Bioscience, Yamaguchi University Graduate School of Medicine.
- A. 1156 Yu NAKAMITI:  
2-Color Optical Coherence Dosigraphy～2色低コヒーレンス光干渉を用いたDDS薬剤分布のマイクロ断層計測法～。  
Applied Medical Engineering Science, Yamaguchi University Graduate School of Medicine.

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- A. 1157 Mubassara SANZIDA:  
Search for Beneficial Activities in Botanical Resources.  
Applied Molecular Bioscience, Yamaguchi University Graduate School of Medicine.
- A. 1158 Fumiaki OKA:  
Mechanistic Insight into Neurotoxicity of Tissue Plasminogen Activator-Induced Thrombolysis Products in a Rat Intraluminal Middle Cerebral Artery Occlusion Model.  
Division of Neurosurgery, Department of Clinical Neuroscience, Yamaguchi University Graduate School of Medicine.
- A. 1159 Satoshi YAMASHITA:  
Repeated Preconditioning with Hyperbaric Oxygen Induces Neuroprotection against Forebrain Ischemia via Suppression of p38 Mitogen Activated Protein Kinase.  
Division of Anesthesiology, Department of Clinical Neuroscience, Yamaguchi University Graduate School of Medicine.
- A. 1160 Hideko ONODA:  
Usefulness of CT Enteroclysis in the Intestinal Tract.  
Division of Radiology, Department of Radiological and Pathological Science, Yamaguchi University Graduate School of Medicine.
- A. 1161 Taku NISHIMURA:  
In vivo Motility Evaluation of the Grafted Gastric Wall with Small Intestinal Submucosa (SIS).  
Division of Digestive Surgery and Surgical Oncology, Department of Molecular Science and Applied Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1162 Masaki SHIBUYA:  
Tongue Muscle-Derived Stem Cells Express Connexin 43 and Improve Cardiac Remodeling and Survival after Myocardial Infarction in Mice.  
Division of Medicine and Clinical Science, Department of Medical Bioregulation, Yamaguchi University Graduate School of Medicine.
- A. 1163 Ryo HASHIMOTO:  
Nifedipine Activates PPAR $\gamma$  and Exerts an Antioxidative Action through Cu/ZnSOD Independent of Blood-Pressure Lowering in SHRSP.  
Division of Medicine and Clinical Science, Department of Medical Bioregulation, Yamaguchi University Graduate School of Medicine.
- A. 1164 Takayuki OKU:  
The Influence of Focal Brain Cooling on Neurophysiopathology: Validation for Clinical Application.  
Division of Neurosurgery, Department of Clinical Neuroscience, Yamaguchi University Graduate School of Medicine.
- A. 1165 Hiromi AKI:  
Elevation of Jugular Venous Superoxide Anion Radical is Associated with Early Inflammation, Oxidative Stress, 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. 1166 Toshihiko MATSUMOTO:  
Medaka as a Model for Human Nonalcoholic Steatohepatitis.  
Division of Gastroenterology and Hepatology, Department of Molecular Science and Applied Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1167 Iqbal Mohd SHAMIM:  
Mechanism and Biological Meaning of CD56 Expression in Human Myeloma Cells.  
Division of Cellular Signal Analysis, Department of Bio-Signal Analysis, Yamaguchi University Graduate School of Medicine.
- A.1168 Junichi MURAKAMI:  
Inhibition of Accelerated Tumor Growth by Blocking the Recruitment of Mobilized Endothelial Progenitor Cells after Chemotherapy.  
Division of Surgery and Clinical Science, Department of Medical Bioregulation, Yamaguchi University Graduate School of Medicine.
- A. 1169 Kazuhito OKA:  
DNA Damage Signaling is Activated during Cancer Progression in Human Colorectal Carcinoma.  
Division of Surgery and Clinical Science, Department of Medical Bioregulation, Yamaguchi University Graduate School of Medicine.
- A. 1170 Takahiro KAMOTA:  
Ischemic Pre-Conditioning Enhances the Mobilization and Recruitment of Bone Marrow Stem Cells to Protect against Ischemia/Reperfusion Injury in the Late Phase.  
Division of Surgery and Clinical Science, Department of Medical Bioregulation, Yamaguchi University Graduate School of Medicine.
- A. 1171 Naoki SUGI:  
What Variables were Associated with the Inducibility of Ventricular Fibrillation during Electrophysiologic Stimulation Test in Patients without Apparent Organic Heart Disease?  
Division of Medicine and Clinical Science, Department of Medical Bioregulation, Yamaguchi University Graduate School of Medicine.
- A. 1172 Yoshio NOSE:  
The Impact of Intermittent Pneumatic Compression Devices on Deep Venous Flow Velocity in Patients with Congestive Heart Failure.  
Division of Medicine and Clinical Science, Department of Medical Bioregulation, Yamaguchi University Graduate School of Medicine.
- A. 1173 Shinobu TOMOCHIKA:  
Cell-Free DNA Levels Increased in Sera in Relation to Inflammation are Predictive of Distant Metastasis of Esophageal Squamous Cell Carcinoma.  
Division of Digestive Surgery and Surgical Oncology, Department of Molecular Science and Applied Medicine, Yamaguchi University Graduate School of Medicine.

- A.1174 Yohei HARIMA:  
Effect of a Late Evening Snack Using Branched-Chain Amino Acid-Enriched Nutrients in Patients Undergoing Hepatic Arterial Infusion Chemotherapy for Advanced Hepatocellular Carcinoma.  
Division of Gastroenterology and Hepatology, Department of Molecular Science and Applied Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1175 Kazuo HASHIMOTO:  
Dose Chromoendoscopy Improve the Colonoscopic Adenoma Detection Rate?  
Division of Gastroenterology and Hepatology, Department of Molecular Science and Applied Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1176 Mihoko KOSHIDA:  
行政保健師が地域で形成するネットワークの構造と実践技術尺度の開発。  
Faculty of Health Sciences, Yamaguchi University School of Medicine.
- A. 1177 Minako DANBARA:  
保健師活動における地域組織の支援とその分類。  
Faculty of Health Sciences, Yamaguchi University School of Medicine.
- A. 1178 Ryo TANAKA:  
Urinary Trypsin Inhibitor Suppresses Excessive Generation of Superoxide Anion Radical, Systemic Inflammation, Oxidative Stress, and Endothelial Injury in Endotoxemic Rats.  
Division of Emergency and Critical Care Medicine, Department of Stress and Bio-response Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1179 Masaki TODANI:  
Moderate Hypothermia Suppresses Excessive Generation of Superoxide Anion Radical and Inflammatory Reactions in Blood and Liver in Heatstroke: Laboratory Study in Rats.  
Division of Emergency and Critical Care Medicine, Department of Stress and Bio-response Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1180 Takashi NAKAHARA:  
High-Mobility Group Box 1 Protein in CSF of Patients with Subarachnoid Hemorrhage.  
Division of Emergency and Critical Care Medicine, Department of Stress and Bio-response Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1181 Takeru ONO:  
Xanthine Oxidase is One of the Major Sources of Superoxide Anion Radicals in Blood after Reperfusion 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. 1182 Haruko KAGE :  
1. Measuring Methods for Functional Reach Test: Comparison of 1-Arm Reach and 2-Arm Reach.  
2. Comparison of the One-Arm and Two-Arm Functional Reach Test in Young Adults.  
Division of Public Health, Department of Environmental, Humanity and Health System Science, Yamaguchi University Graduate School of Medicine.

- A. 1183 Seiko SHIRAFUJI:  
QT Interval Dispersion and Cardiac Sympathovagal Balance Shift in Rats with Acute Ethanol Withdrawal.  
Division of Legal Medicine, Department of Stress and Bio-response Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1184 Yoichi KODA:  
Moderate Hypothermia Suppresses Jugular Venous Superoxide Anion Radical, 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. 1185 Hiromi HAYASHIDA:  
Comparison of the Predictability of Neurological Outcome by Serum Procalcitonin and Glial Fibrillary Acidic Protein 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. 1186 Taku MISUMI:  
Genetic Alterations at 13q14 May Correlate with Differences in the Biological Behavior of Prostate Cancer between Japanese and Caucasian Men.  
Division of Urology, Department of Epithelial Intelligent and Analytical Medicine Science, Yamaguchi University Graduate School of Medicine.
- A. 1187 Wu-Yong QUAN:  
Integrin-Mediated Inhibition of Interleukin-8 Secretion from Human Neutrophils by Collagen Type I.  
Division of Ophthalmology, Department of Epithelial Intelligent and Analytical Medicine Science, Yamaguchi University Graduate School of Medicine.
- A.1188 Yukiko KONDO:  
Inhibition by a Selective  $\text{I}\kappa\text{B}$  Kinase-2 Inhibitor of Interleukin-1-induced Collagen Degradation by Corneal Fibroblasts in Three-Dimensional Culture.  
Division of Ophthalmology, Department of Epithelial Intelligent and Analytical Medicine Science, Yamaguchi University Graduate School of Medicine.
- A. 1189 Norimasa NOMI:  
Release of Interleukins 6 and 8 Induced by Zymosan and Mediated by MAP Kinase and NF- $\kappa\text{B}$  Signaling Pathways in Human Corneal Fibroblasts.  
Division of Ophthalmology, Department of Epithelial Intelligent and Analytical Medicine Science, Yamaguchi University Graduate School of Medicine.
- A. 1190 Michael Scott PATRICK:  
Gasp, a Grb2-associating Protein, is Critical for Positive Selection of Thymocytes.  
Division of Genomics and Infectious Disease Control and Prevention, Department of Biomedical and Biomolecular Sciences, Yamaguchi University Graduate School of Medicine.

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- A. 1191 Yoshihisa SHIMIZU:  
Hypermethylation Status of APC Inversely Correlates with the Presence of Submucosal Invasion in Laterally Spreading Colorectal Tumors.  
Division of Laboratory Medicine, Department of Clinical and Biomedical Information Science, Yamaguchi University Graduate School of Medicine.
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- B. 1033 Masaru AKIYAMA:  
Increased Insulin Demand Promotes while Pioglitazone Prevents Pancreatic Beta Cell Apoptosis in Wfs1 Knockout Mice.  
Division of Endocrinology, Metabolism, Hematological Sciences and Therapeutics, Department of Bio-Signal Analysis, Yamaguchi University Graduate School of Medicine.
- B. 1034 Naofumi FUKUDA:  
DOC2B: A Novel Syntaxin4 Binding Protein Mediating Insulin-Regulated GLUT4-Vesicle Fusion in Adipocytes.  
Division of Endocrinology, Metabolism, Hematological Sciences and Therapeutics, Department of Bio-Signal Analysis, Yamaguchi University Graduate School of Medicine.
- B. 1035 Tadashi KANEKO:  
Serum Glial Fibrillary Acidic Protein as a Predictive Biomarker of Neurological Outcome after Cardiac Arrest.  
Division of Emergency and Critical Care Medicine, Department of Stress and Bio-response Medicine, Yamaguchi University Graduate School of Medicine.
- B. 1036 Yasutaka ODA:  
The Cutoff Values of Intrathecal Interleukin 8 and 6 for Predicting the Neurological Outcome in Cardiac Arrest Victims.  
Division of Emergency and Critical Care Medicine, Department of Stress and Bio-response Medicine, Yamaguchi University Graduate School of Medicine.
- B. 1037 Takashi SUZUKI:  
昆虫培養細胞由来新規無細胞タンパク質合成系の確立とそれを用いたタンパク質翻訳後修飾解析。  
Applied Molecular Bioscience, Yamaguchi University Graduate School of Medicine.
- B. 1038 Setsu KOBAYAKAWA:  
Personal Qualities of First-Year Medical Students and Academic Performance: A 6-year Follow-up Survey.  
Division of General Internal Medicine, Department of Clinical and Biomedical Information Science, Yamaguchi University Graduate School of Medicine.
- B. 1039 Koji MATSUO:  
Anterior Cingulate Volumes Associated with Trait Impulsivity in Individuals with Bipolar Disorder.  
Division of Neuropsychiatry, Department of Neuroscience, Yamaguchi University Graduate School of Medicine.

- B. 1040 Motoki FUJITA:  
In vivo Real-Time Measurement of Superoxide Anion Radical with a Novel Electrochemical Sensor.  
Division of Emergency and Critical Care Medicine, Department of Stress and Bio-response Medicine, Yamaguchi University Graduate School of Medicine.
- B. 1041 Kotaro KANEDA:  
Prognostic Value of Biochemical Markers of Brain Damage and Oxidative Stress in Post-Surgical Aneurysmal Subarachnoid Hemorrhage Patients.  
Division of Emergency and Critical Care Medicine, Department of Stress and Bio-response Medicine, Yamaguchi University Graduate School of Medicine.
- B.1042 Masahiro HONDA:  
Serum Glial Fibrillary Acidic Protein is a Highly Specific Biomarker for Traumatic Brain Injury in Humans Compared with S-100B and Neuron Specific Enolase.  
Division of Emergency and Critical Care Medicine, Department of Stress and Bio-response Medicine, Yamaguchi University Graduate School of Medicine.
- B. 1043 Takashi MIYAUCHI:  
Serum Macrophage Migration Inhibitory Factor Reflects Adrenal Function in Hypothalamo-Pituitary-Adrenal Axis in Septic Patient: An Observational Study.  
Division of Emergency and Critical Care Medicine, Department of Stress and Bio-response Medicine, Yamaguchi University Graduate School of Medicine.
- B.1044 Tadafumi ADACHI:  
Inhibition by Tranilast of the Cytokine-Induced Expression of Chemokines and the Adhesion Molecule VCAM-1 in Human Corneal Fibroblasts.  
Division of Ophthalmology, Department of Epithelial Intelligent and Analytical Medicine Science, Yamaguchi University Graduate School of Medicine.