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Bull Yamaguchi Med School 59(3-4): 2012

## List of Doctoral Dissertations in 2011

- A. 1235 Kannikar CHAROENSUK:  
Molecular mechanism for coping with critical heat and oxidative stresses in thermotolerant *Zymomonas mobilis*.  
Applied Molecular Bioscience, Yamaguchi University Graduate School of Medicine.
- A. 1236 Ibnaof Ali Ibnaof ALI:  
Structure and biosynthesis of pellicle polysaccharides in a thermotolerant acetic acid bacterium, *Acetobacter tropicalis* SKU1100.  
Applied Molecular Bioscience, Yamaguchi University Graduate School of Medicine.
- A. 1237 Nadchanok RODRUSSAMEE:  
Ethanol fermentation ability on various sugars and glucose repression in thermotolerant yeast *Kluyveromyces marxianus*.  
Applied Molecular Bioscience, Yamaguchi University Graduate School of Medicine.
- A. 1238 Yuko HARADA:  
Relationship between cartilage volume using MRI and Kellgren-Lawrence radiographic score in knee osteoarthritis with and without meniscal tears.  
Division of Radiology, Department of Radiological and Pathological Science, Yamaguchi University Graduate School of Medicine.
- A. 1239 Ryo MAEKAWA:  
Disease-dependent differently methylated regions (D-DMRs) of DNA are enriched on the X chromosome in Uterine Leiomyoma.  
Division of Obstetrics and gynecology, Department of Reproductive and Developmental Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1240 Tetsuya NAKAMOTO:  
Geranylgeranylacetone Suppresses Noise-induced Expression of Proinflammatory Cytokines in the Cochlea.  
Division of Otolaryngology, Department of Epithelial Intelligent and Analytical Medicine Science, Yamaguchi University Graduate School of Medicine.
- A. 1241 Takeo TANAKA:  
Heterogeneity of apex-to-base dispersion in diastolic lengthening is related to impaired global left ventricular relaxation in patients with hypertrophic cardiomyopathy.  
Division of Medicine and Clinical Science, Department of Medical Bioregulation, Yamaguchi University Graduate School of Medicine.
- A. 1242 Kazuko TANIGAWA:  
保育所・幼稚園における自閉症児に対する社会的支援システムとの連携の現状と課題。  
Division of Hygiene, Department of Environmental, Humanity and Health System Science, Yamaguchi University Graduate School of Medicine.

- A. 1243 Yasuhiro HANEDA:  
Leukotriene D<sub>4</sub> enhances tumor necrosis factor- $\alpha$ -induced vascular endothelial growth factor production in human monocytes/macrophages.  
Division of Development and Clinical immunology in pediatric diseases, Department of Reproductive and Developmental Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1244 Chen WANG:  
血管異常収縮におけるコレステロール高親和性膜ドメイン、脂質膜ラフトの役割について。  
Division of Molecular Physiology and Medical Bioregulation, Department of Medical Bioregulation, Yamaguchi University Graduate School of Medicine.
- A. 1245 Hidekazu AOYAMA:  
Isoform-Specific Roles of Protein Phosphatase 1 Catalytic Subunits in Sarcoplasmic Reticulum Mediated Ca<sup>2+</sup> Cycling.  
Division of Medicine and Clinical Science, Department of Medical Bioregulation, Yamaguchi University Graduate School of Medicine.
- A. 1246 Sarder Nasir UDDIN:  
Drumstick, an odd family gene, acts cell-non-autonomously and triggers specification of the small intestine in the *Drosophila* hindgut.  
Applied Molecular Bioscience, Yamaguchi University Graduate School of Medicine.
- A. 1247 Mitsuyo KANEMOTO:  
Studies on Molecular Recognition and Separation Mechanism of PEGylated Proteins in Chromatography.  
Applied Molecular Bioscience, Yamaguchi University Graduate School of Medicine.
- A. 1248 Tomohiko YOSHITAKE:  
Studies on Retention and Elution Mechanism in Hydroxyapatite Chromatography for Bio-Product Purification Process Design.  
Applied Molecular Bioscience, Yamaguchi University Graduate School of Medicine.
- A. 1249 Mareto HOSONO:  
Development of a rational method for designing efficient separation processes by chromatography based on the iso-resolution curve concept.  
Applied Molecular Bioscience, Yamaguchi University Graduate School of Medicine.
- A. 1250 Hideaki ITO:  
Combined Functional Genome Survey of Therapeutic Targets for Clear Cell Carcinoma of the Kidney.  
Division of Urology, Department of Epithelial Intelligent and Analytical Medicine Science, Yamaguchi University Graduate School of Medicine.
- A. 1251 Chen JING:  
硫黄と窒素の特性を活かしたビスムタン類の合成と構造および反応性。  
Applied Molecular Bioscience, Yamaguchi University Graduate School of Medicine.

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- A. 1252 Junko ISHIKAWA:  
13-cis-retinoic acid alters the cellular morphology of slice-cultured serotonergic neurons in the rat.  
Division of Systems Neuroscience, Department of Neuroscience, Yamaguchi University Graduate School of Medicine.
- A. 1253 Norikazu YOSHITAKE:  
Validity of self-reported body mass index of Japanese children and adolescents.  
Division of Public Health, Department of Environmental, Humanity and Health System Science, Yamaguchi University Graduate School of Medicine.
- A. 1254 Shotaro TAKAHASHI:  
Long Term Follow-up for Small Pure Ground-Glass Nodules: Implications of Determining an Optimal Follow-up Period and High-Resolution CT Findings to Predict the Growth of Nodules.  
Division of Radiology, Department of Radiological and Pathological Science, Yamaguchi University Graduate School of Medicine.
- A. 1255 Yasuo WASHIDA:  
Utility of CT Enteroclysis for Small Intestinal Hemorrhage.  
Division of Radiology, Department of Radiological and Pathological Science, Yamaguchi University Graduate School of Medicine.
- A. 1256 Isao TAMURA:  
Differential effects of progesterone on COX-2 and Mn-SOD expressions are associated with histone acetylation status of the promoter region in human endometrial stromal cells.  
Division of Obstetrics and gynecology, Department of Reproductive and Developmental Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1257 Hideki TOYOTA:  
Topical Application of Substance P Facilitates Vestibular Functional Recovery Induced by AMPA in the Guinea Pig.  
Division of Otolaryngology, Department of Epithelial Intelligent and Analytical Medicine Science, Yamaguchi University Graduate School of Medicine.
- A. 1258 Kei NEMOTO:  
Genotyping of Human Killer Cell Immunoglobulin-like Receptor Genes in Japanese Patients with Psoriatic Arthritis, Generalized Pustular Psoriasis or Psoriasis Vulgaris.  
Division of Dermatology, Department of Epithelial Intelligent and Analytical Medicine Science, Yamaguchi University Graduate School of Medicine.
- A. 1259 Kouichi HAMABE:  
Endoscopic resection is infeasible for early gastric cancers with undifferentiated components.  
Division of Gastroenterology and Hepatology, Department of Molecular Science and Applied Medicine, Yamaguchi University Graduate School of Medicine.

- A. 1260 Takashi IMAGAMA:  
Regulation of nitric oxide generation by up-regulated arginase I in rat spinal cord injury.  
Division of Orthopedic Surgery, Department of Human Science, Yamaguchi University Graduate School of Medicine.
- A. 1261 Teruyuki HOBARA:  
Altered gene expression of histone deacetylases in mood disorder patients.  
Division of Neuropsychiatry, Department of Neuroscience, Yamaguchi University Graduate School of Medicine.
- A. 1262 Yoko KASHIWAMURA:  
Hydrocortisone enhances the function of the blood-nerve barrier through the up-regulation of claudin-5.  
Division of Neurology, Department of Clinical Neuroscience, Yamaguchi University Graduate School of Medicine.
- A. 1263 Ryosuke HASE:  
山陽小野田市健康づくり計画の基礎調査でみたソーシャル・キャピタルおよび生活習慣と健康との関連。  
Division of Medical Humanities, Department of Environmental, Humanity and Health System Science, Yamaguchi University Graduate School of Medicine.
- A. 1264 Hidekazu MIZUNO:  
新たに分離されたリネゾリド耐性MRSA株の分子遺伝学的解析。  
Division of Genomics and Infectious Disease Control and Prevention, Department of Biomedical and Biomolecular Sciences, Yamaguchi University Graduate School of Medicine.
- A. 1265 Yoshie TANAKA:  
In vitro selection and characterization of DNA aptamers specific for phospholamban.  
Division of Molecular Pharmacology, Department of Biomedical and Biomolecular Sciences, Yamaguchi University Graduate School of Medicine.
- A. 1266 Mitsuaki NISHIOKA:  
Possible involvement of Wnt11 in colorectal cancer progression.  
Division of Laboratory Medicine, Department of Clinical and biomedical information science, Yamaguchi University Graduate School of Medicine.
- A. 1267 Toyohide SHINKAWA:  
Heat shock factor 2 is required for maintaining proteostasis against febrile-range thermal stress and polyglutamine aggregation.  
Division of Biochemistry and Molecular Biology, Department of Bio-Signal Analysis, Yamaguchi University Graduate School of Medicine.
- A. 1268 Miyuki ANDO:  
Norepinephrine Spillover during Exercise as a Novel Parameter to Evaluate the Severity of Heart Failure.  
Division of Medicine and Clinical Science, Department of Medical Bioregulation, Yamaguchi University Graduate School of Medicine.

- A. 1269 Takeshi SUETOMI:  
Mutation-Linked Defective Inter-Domain Interactions within Ryanodine Receptor Cause Aberrant Ca<sup>2+</sup> Release Leading to Catecholaminergic Polymorphic Ventricular Tachycardia.  
Division of Medicine and Clinical Science, Department of Medical Bioregulation, Yamaguchi University Graduate School of Medicine.
- A. 1270 Takehisa SUSU:  
Urinary 8-Hydroxy-2'-Deoxyguanosine as a Novel Biomarker for Predicting Cardiac Events and Evaluating the Effectiveness of Carvedilol Treatment in Patients with Chronic Systolic Heart Failure.  
Division of Medicine and Clinical Science, Department of Medical Bioregulation, Yamaguchi University Graduate School of Medicine.
- A. 1271 Atsushi HIRATSUKA:  
Characteristics of induced ventricular fibrillation cycle length in symptomatic Brugada syndrome patients.  
Division of Medicine and Clinical Science, Department of Medical Bioregulation, Yamaguchi University Graduate School of Medicine.
- A. 1272 Masaaki YOSHIDA:  
Alterations in adhesion junction precede gap junction remodelling during the development of heart failure in cardiomyopathic hamsters.  
Division of Medicine and Clinical Science, Department of Medical Bioregulation, Yamaguchi University Graduate School of Medicine.
- A. 1273 Hiroshi KURAZUMI:  
The effects of mechanical stress on the growth, differentiation, and paracrine factor production of cardiac stem cells.  
Division of Surgery and Clinical Science, Department of Medical Bioregulation, Yamaguchi University Graduate School of Medicine.
- A. 1274 Takashi YAMADA:  
A 3D motion analysis of bone in vivo and artificial joint using X-ray projection images.  
Applied Medical Engineering Science, Yamaguchi University Graduate School of Medicine.
- A. 1275 Takuya IWAMOTO:  
Splenectomy enhances the anti-fibrotic effect of bone marrow cell infusion and improves liver function in cirrhotic mice and patients.  
Division of Gastroenterology and Hepatology, Department of Molecular Science and Applied Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1276 Ryo TANABE:  
Preoperative evaluation of early colorectal cancer using an ultrasound mini probe.  
Division of Gastroenterology and Hepatology, Department of Molecular Science and Applied Medicine, Yamaguchi University Graduate School of Medicine.

- A. 1277 Takuro HISANAGA:  
TNFR1-mediated signaling is important to induce the improvement of liver fibrosis by bone marrow cell infusion.  
Division of Gastroenterology and Hepatology, Department of Molecular Science and Applied Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1278 Koichi FUJISAWA:  
Senescence marker protein 30 (SMP30)/regucalcin (RGN) expression decreases with aging, acute liver injuries and tumors in zebrafish.  
Division of Gastroenterology and Hepatology, Department of Molecular Science and Applied Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1279 Masaki MAEDA:  
Autologous bone marrow cell infusions suppress tumor initiation in hepatocarcinogenic mice with liver cirrhosis.  
Division of Gastroenterology and Hepatology, Department of Molecular Science and Applied Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1280 Yuko MIZUNAGA:  
Granulocyte colony-stimulating factor and interleukin-1 $\beta$  are important cytokine in repair of the cirrhotic liver after bone marrow cell infusion –comparison of humans and model mice–.  
Division of Gastroenterology and Hepatology, Department of Molecular Science and Applied Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1281 Kanako YOSHIDA:  
Proteomic differential display analysis for TS-1-resistant and –sensitive pancreatic cancer cells using two-dimensional gel electrophoresis and mass spectrometry.  
Division of Gastroenterology and Hepatology, Department of Molecular Science and Applied Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1282 Kazunari MAEDA:  
Impact of Chemotherapy for Colorectal Cancer on Regulatory T-Cells and Tumor Immunity.  
Division of Digestive Surgery and Surgical Oncology, Department of Molecular Science and Applied Medicine, Yamaguchi University Graduate School of Medicine.
- A. 1283 Kouji KAISO:  
ポリアミドのアップグレードケミカルリサイクルに向けた新規解重合反応。  
Applied Molecular Bioscience, Yamaguchi University Graduate School of Medicine.
- A. 1284 Kazuo YAMADA:  
プラスチックからプラスチックへ ～繊維強化プラスチックの超効率的な新規ケミカルリサイクル～。  
Applied Molecular Bioscience, Yamaguchi University Graduate School of Medicine.
- A. 1285 Junko TATSUNO:  
A grief reaction model of families who experienced acute bereavement in Japan.  
Faculty of Health Sciences, Yamaguchi University Graduate School of Medicine.

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- A. 1286 Minako HINO:  
Identification of a Novel Mutation in the  $\beta$ -Globin Gene 3' Untranslated Region [+1,506(A>C)] in a Japanese Male with a Heterozygous  $\beta$ -Thalassemia Phenotype.  
Faculty of Health Sciences, Yamaguchi University Graduate School of Medicine.
- A. 1287 Kayoko FUKUHARA:  
Mechanism of Molecular Pharmacology underlying Neuropathic Pain concurrent with Mood Disorder and Therapeutic Application of 4-Methylcatechol (4-MC), Brain-Derived Neurotrophic Factor (BDNF) Inducer.  
Faculty of Health Sciences, Yamaguchi University Graduate School of Medicine.
- A. 1288 Chiemi FURUYA:  
Combined evaluation of CK5/6, ER, p63, and MUC3 for distinguishing breast intra-ductal papilloma from ductal carcinoma *in situ*.  
Faculty of Health Sciences, Yamaguchi University Graduate School of Medicine.
- A. 1289 Kimiko MATSUDA:  
Assessment of the severity of organophosphate (fenitrothion) poisoning based on its serum concentration and clinical parameters.  
Faculty of Health Sciences, Yamaguchi University Graduate School of Medicine.
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- B. 1051 Masafumi OOMAKI:  
*Staphylococcus aureus* contamination on the surface of working tables in ward staff centers and its preventive methods.  
Division of Clinical Pharmacology, Department of Clinical and biomedical information science, Yamaguchi University Graduate School of Medicine.
- B. 1052 Katsuhiko YORIOKA:  
Particulate and Microbial Contamination in In-Use Admixed Intravenous Infusions.  
Division of Clinical Pharmacology, Department of Clinical and biomedical information science, Yamaguchi University Graduate School of Medicine.
- B. 1053 Mizuya SHINOYAMA:  
Long-term outcome of cervical and thoracolumbar dural arteriovenous fistulas with emphasis on sensory disturbance and neuropathic pain.  
Division of Neurosurgery, Department of Clinical Neuroscience, Yamaguchi University Graduate School of Medicine.
- B. 1054 Daisuke FURUKAWA:  
腫瘍マーカーおよび近赤外光を利用したリアルタイム腫瘍同定システム。  
Applied Medical Engineering Science, Yamaguchi University Graduate School of Medicine.
- B. 1055 Yoshikazu AZUMA:  
Etiology of cervical myelopathy induced by ossification of the posterior longitudinal ligament –Determining the responsible level of OPLL myelopathy by correlating static compression and dynamic factors.  
Division of Orthopedic Surgery, Department of Human Science, Yamaguchi University Graduate School of Medicine.



- B. 1056 Mariko ARAKI:  
特別養護老人ホーム職員のジェネラティブイティと仕事の有能感の関連。  
Division of Public Health, Department of Environmental, Humanity and Health System Science, Yamaguchi University Graduate School of Medicine.
- B. 1057 Hui-ying LI:  
日本と台湾における緩和医療に関する心のケアの現状と課題—医療関係者の意識調査を中心として—。  
Division of Public Health, Department of Environmental, Humanity and Health System Science, Yamaguchi University Graduate School of Medicine.
- B. 1058 Ichiro KUNITSUGU:  
Self-reported seafood intake and atopy in Japanese school-aged children.  
Division of Public Health, Department of Environmental, Humanity and Health System Science, Yamaguchi University Graduate School of Medicine.
- B. 1059 Shinichi SUGIYAMA:  
Association between Visual Message and Health Knowledge in a 4-month Follow-up Study at Worksites.  
Division of Public Health, Department of Environmental, Humanity and Health System Science, Yamaguchi University Graduate School of Medicine.
- B. 1060 Masuo TANAKA:  
The Effects of Three Types of Stress on Fos Expression in the Hypothalamic Paraventricular Nucleus, Hippocampus and Amygdala in Female Rats at Different Stages of Pregnancy.  
Division of Systems Neuroscience, Department of Neuroscience, Yamaguchi University Graduate School of Medicine.