

複合組織再生技術とコンピューター支援外科技術によるバイオ人工関節の開発	名井 陽	未来医療センター	46,020,000	補委	科学技術振興機構
医工連携による、肺組織再生をめざした新たな肺気腫の治療法の開発	塩野 裕之	未来医療センター	2,990,000	補委	(独)日本学術振興会
悪性胸膜中皮腫に対する腫瘍細胞特異的結合性ミセルを用いた新たな治療法の開発	李 千萬	未来医療センター	1,700,000	補委	(独)日本学術振興会
脂肪組織由来間葉系幹細胞より誘導した肝細胞様細胞塊を用いた新たな治療法の開発	菰田 弘	未来医療センター	1,100,000	補委	(独)日本学術振興会
神経再生時に炎症性サイトカインが及ぼす影響とそのメカニズムの解明	田中 啓之	未来医療センター	1,330,000	補委	科学研究費補助金 若手スタートアップ
再生医学(血管前駆細胞)と免疫隔離を応用した異種(ブタ)膵島移植の検討	文元 雄一	未来医療センター	1,400,000	補委	文部科学省
血管炎治療のための人工ポリクロナルグロブリン製剤の開発と安全性確保に関する研究	今井圓裕	血液浄化部	450,000	補委	厚生労働省
ゲノム解析によるパーキンソン病遺伝子同定と創薬	戸田達史	遺伝子診療部	56,000,000	補委	(独)科学技術振興機構 戦略的創造研究推進事業
パーキンソン病関連遺伝子探索と機能解析	戸田達史	遺伝子診療部	7,100,000	補委	文部科学省
疾患関連糖鎖・タンパク質の統合的機能解析	戸田達史	遺伝子診療部	6,000,000	補委	文部科学省
筋ジストロフィーに関連する疾患の病態解明と治療法の開発に関する研究	戸田達史	遺伝子診療部	4,000,000	補委	厚生労働省
新規抗パーキンソン病薬ゾニサミドの神経保護作用に関する臨床研究	戸田達史	遺伝子診療部	4,000,000	補委	厚生労働省
重難病患者の地域医療体制の構築に関する研究	戸田達史	遺伝子診療部	1,000,000	補委	厚生労働省
神経変性疾患に関する調査研究	戸田達史	遺伝子診療部	1,200,000	補委	厚生労働省
精神遅滞リサーチ・リソースの拡充と病因・病態解明を目指した遺伝学的研究	戸田達史	遺伝子診療部	1,000,000	補委	厚生労働省
ゲノム解析によるパーキンソン病遺伝子同定と創薬・テーラーメイド研究	戸田達史	遺伝子診療部	41,000,000	補委	厚生労働省

計301

(注) 1 国、地方公共団体又は公益法人から補助金の交付又は委託を受け、当該医療機関に所属する医師等が申請の前年度に行った研究のうち、高度の医療技術の開発及び評価に資するものと判断される主なものを記入すること。

2 「研究者氏名」欄は、1つの研究について研究者が複数いる場合には、主たる研究者の氏名を記入すること。

3 「補助元又は委託元」欄は、補助の場合は「補」に、委託の場合は「委」に、○印をつけた上で、補助元又は委託元を記入すること。

高度の医療技術の開発及び評価の実績

2 論文発表等の実績

所属名: 大阪大学医学部附属病院

発表者氏名	題名	雑誌名	所属部門
Nakatani,D	Clinical impact of metabolic syndrome and its additive effect with smoking on subsequent cardiac events after acute myocardial infarction	Am J Cardiol (2007年99巻)	循環器内科1
Nishio,M	Therapeutic effects of angiotensin II type 1 receptor blocker at an advanced stage of hypertensive diastolic heart failure	J Hypertens (2007年25巻2号)	循環器内科
Nakatani,D	Effect of intracoronary thrombectomy on 30-day mortality in patients with acute myocardial infarction	Am J Cardiol (2007年100巻5号)	循環器内科
Ohtani,T	Elevated cardiac tissue level of aldosterone and mineralocorticoid receptor in diastolic heart failure: Beneficial effects of mineralocorticoid receptor blocker	Am J Physiol Regul Integr Comp Physiol (2007年292巻2号)	循環器内科
Minamino,T	Protecting endothelial function: A novel therapeutic target of ATP-sensitive potassium channel openers	Cardiovasc Res (2007年73巻)	循環器内科
Nakai,A	The role of autophagy in cardiomyocytes in the basal state and in response to hemodynamic stress	Nat Med (2007年13巻5号)	循環器内科
Fujita,M.	Impaired glucose tolerance: a possible contributor to left ventricular hypertrophy and diastolic dysfunction	Int J Cardiol (2007年292巻)	循環器内科
Koseki,M	Increased lipid rafts and accelerated lipopolysaccharise-induced tumor necrosis factor- α secretion in Abca1-deficient macrophages	Journal of Lipid Research Vol.48 2007 (2007年48巻)	循環器内科
Matsuura,F	Senescent phenotypes of skin fibroblasts from patients with Tagier disease	Biochemical and Biophysical Research Communications 357	循環器内科
Nakaoka,Y	Gab family proteins are essential for cardiac homeostasis that is regulated by the reciprocal interplay mediated by endothelium-derived neuregulin-1 and mycocyte-derived angiopoietin-1.	J Clin Invest (2007年117巻)	循環器内科
Imai E	GFR decline rate in Japanese general population: a longitudinal 10-year follow-up study.	Hypert Res	腎臓内科
Imai E	Periodontal tissue regeneration using fibroblast growth factor-2: randomized controlled phase II clinical trial.	PLoS ONE	腎臓内科
Imai E	Modification of the Modification of Diet in Renal Disease (MDRD) Study equation for Japan.	Am J Kid Dis	腎臓内科
Imai E	Prevalence of chronic kidney disease (CKD) in the Japanese general population predicted by the MDRD equation modified by a Japanese coefficient.	Clin Exp Nephrol	腎臓内科
Furumatsu Y	Integrated therapies including erythropoietin decrease the incidence of dialysis: lessons from mapping the incidence of end-stage renal disease in Japan.	Nephrol Dial Transplant	腎臓内科

Kaimori J	Polyductin undergoes notch-like processing and regulated release from primary cilia.	Human Mol Genetics	腎臓内科
Imai E	Estimation of glomerular filtration rate by the MDRD study equation modified for Japanese patients with chronic kidney disease.	Clin Exp Nephrol	腎臓内科
Matsui I	Snail, a transcriptional regulator, represses nephrin expression in glomerular epithelial cells of nephrotic rats.	Lab Invest	腎臓内科
Kitamura H	Nonerythropoietic derivative of erythropoietin protects against tubulointerstitial injury in a unilateral ureteral obstruction model.	Nephrol Dial Transplant	腎臓内科
Suzuki C	Participation of autophagy in renal ischemia/reperfusion injury.	Cell Transplant	腎臓内科
Kaimori J	Polyductin undergoes notch-like processing and regulated release from primary cilia.	Human Mol Genetics	腎臓内科
Matsui I	Snail, a transcriptional regulator, represses nephrin expression in glomerular epithelial cells of nephrotic rats.	Lab Invest	腎臓内科
S. Serada	Proteomic analysis of autoantigens associated with systemic lupus erythematosus: Anti-aldolase A antibody as a potential marker of lupus nephritis.	Proteomics-Clinical Applications(1:185-191)	免疫・アレルギー内科
M. Kawai	Flavonoids and related compounds as anti-allergic substances.	llergology International (56:113-123.)	免疫・アレルギー内科
P. He	Proteomics-based identification of alpha-enolase as a tumor antigen in non-small lung cancer.	Cancer Sci. (98:1234-1240.)	免疫・アレルギー内科
N. Hayashi	T helper 1 cells stimulated with ovalbumin and IL-18 induce airway hyperresponsiveness and lung fibrosis by IFN-gamma and IL-13 production.	Proc Natl Acad Sci USA (104:14765-14770.)	免疫・アレルギー内科
T. Nishikawa	ranscriptional complex formation of c-Fos, STAT3, and Hepatocyte NF-1 α is essential for cytokine-driven CRP Gene Expression.	J Immunol (180:3492-3501.)	免疫・アレルギー内科
Y.Oka	WT1 peptide cancer vaccine for patients with hematopoietic malignancies and solid cancers	TheScientificWorldJOURNAL(7,649,2007)	免疫・アレルギー内科
Y.Oka	Wilms' tumor gene WT1 peptide-based immunotherapy induced minimal response in a patient with advanced, therapy-resistant multiple myeloma	Int. J. Hematol. (86,414,2007)	免疫・アレルギー内科
古川 貢	Gefitinib-sensitive EGFR lacking residues 746-750 exhibits hypophosphorylation at tyrosine residue 1045, hypoubiquitination, and impaired endocytosis.	DNA Cell Biol	呼吸器内科
河面 聡	Multiple organ mucosa-associated lymphoid tissue lymphoma presenting with lymphangitic pattern of spread in the lung	J Thorac Oncol	呼吸器内科
岩堀 幸太	Megakaryocyte potentiating factor as a tumor marker of malignant pleural mesothelioma: Evaluation in comparison with mesothelin.	Lung Cancer	呼吸器内科
北岡 裕子	A Novel Interpretation of Closing Volume Based on Single-Breath Nitrogen Washout Curve Simulation.	J Physiol Sci	呼吸器内科
北岡 裕子	A 4-dimensional model of the alveolar structure.	J Physiol Sci	呼吸器内科
Hiroaki Masaie	Adiponectin binds to chemokines via the globular head and modulates interactions between chemokines and heparan sulfates.	Exp Hematol. 2007 35(6):947-956	血液・腫瘍内科学
Takae Shizusawa	The expression of anamorsin in diffuse large B cell lymphoma: possible prognostic biomarker for low IPI patients.	Leuk Lymphoma. 2008 49(1):113-121	血液・腫瘍内科学

Itaru Matsumura	Roles for deregulated receptor tyrosine kinases and their downstream signaling molecules in hematologic malignancies.	Cancer Sci. 2008 99(3):479-485	血液・腫瘍内科学
Jun Ishiko	An indolent subtype of "intravascular lymphoma": A case with a 3-year history of LDH elevation.	Leuk Lymphoma. 2007 48(9):1872-1874	血液・腫瘍内科学
Hirokazu Tanaka	Potential target molecules for ex vivo expansion of hematopoietic stem cells and their roles in normal hematopoiesis.	J Stem Cells 2007 2:167-183	血液・腫瘍内科学
松久 宗英	A novel index of insulin resistance determined from the homeostasis model assessment index and adiponectin levels in Japanese subjects	Diabetes Res Clin Pract (2007; 77(1): 151-4)	内分泌・代謝内科
金藤 秀明	Involvement of oxidative stress in the pathogenesis of diabetes	Antioxid Redox Signal (2007; 9(3): 355-66)	内分泌・代謝内科
金藤 秀明	Oxidative Stress and the JNK Pathway are Involved in the Development of Type 1 and Type 2 Diabetes	Curr Mol Med (2007; 7(7): 674-86)	内分泌・代謝内科
金藤 秀明	Role of PDX-1 and MafA as a potential therapeutic target for diabetes	Diabetes Res Clin Pract (2007; 77(3S): S127-S137)	内分泌・代謝内科
金藤 秀明	Crucial role of PDX-1 in pancreas development, beta-cell differentiation, and induction of surrogate beta-cells	Curr Med Chem (2007; 14(16): 1745-52)	内分泌・代謝内科
松岡 孝昭	MafA Regulates Expression of Genes Important to Islet (beta)-Cell Function	Mol Endocrinol (2007; 21(11): 2764-74)	内分泌・代謝内科
安田 哲行	Is central obesity a good predictor of carotid atherosclerosis in Japanese type 2 diabetes with metabolic syndrome?	Endocr J (2007; 54(5): 695-702)	内分泌・代謝内科
片上 直人	Serum interleukin-18 levels are increased and closely associated with various soluble adhesion molecule levels in type 1 diabetic patients	Diabetes Care (2007; 30(1): 159-61)	内分泌・代謝内科
片上 直人	Serum endogenous secretory RAGE levels are inversely associated with carotid IMT in type 2 diabetic patients	Atherosclerosis (2007; 190(1): 22-3)	内分泌・代謝内科
宮塚 健	Ptf1a and RBP-J cooperate in activating Pdx1 gene expression through binding to Area III	Biochem Biophys Res Commun (2007; 362(4): 905-9)	内分泌・代謝内科
白岩 俊彦	Establishment of a non-invasive mouse reporter model for monitoring in vivo pdx-1 promoter activity	Biochem Biophys Res Commun (2007; 361(3): 739-44)	内分泌・代謝内科
山本 かをる	Tissue-specific deletion of c-Jun in the pancreas has limited effects on pancreas formation	Biochem Biophys Res Commun (2007; 363(4): 908-14)	内分泌・代謝内科
Shimomura I	Angiotensin-like protein3 regulates plasma HDL cholesterol through suppression of endothelial lipase	Arterioscler Thromb Vasc Biol (Feb 2007, 27)	内分泌・代謝内科
Shimomura I	Nitric oxide dysregulates adipocytokine expression in 3T3-L1 adipocytes	Biochem Biophys Res Commun (Dec 2007, Vol.364, Issue 1)	内分泌・代謝内科
Shimomura I	Adipose tissue hypoxia in obesity and its impact on adipocytokine dysregulation	Diabetes (April 2007, 56)	内分泌・代謝内科
Fujisawa T.	Present state of diabetes management in the elderly, Japan.	Diabetes Research and Clinical Practice	老年・高血圧内科

Asano K.	Molecular scanning of interleukin-21 gene and genetic susceptibility to type 1 diabetes.	Human Immunology	老年・高血压内科
Ito N.	High blood pressure worsens age-related increases in arterial stiffness evaluated by pulse wave velocity in subjects with lifestyle-related diseases.	Geriatrics and Gerontology International	老年・高血压内科
Hiromine Y.	Trinucleotide repeats of programmed cell death-1 gene (PDCD1) are associated with susceptibility to type 1 diabetes.	Metabolism	老年・高血压内科
Ohta J.	Klotho gene delivery suppresses oxidative stress in vivo.	Geriatrics and Gerontology International	老年・高血压内科
Yotsui T.	Aspirin prevents adhesion of T lymphoblasts to vascular smooth muscle cells.	FEBS Letters	老年・高血压内科
Ito N.	Renin-angiotensin inhibition reverses advanced cardiac remodeling in aging spontaneously hypertensive rats.	American Journal of Hypertension	老年・高血压内科
Hanasaki H.	Composite malignant pheochromocytoma with malignant peripheral nerve sheath tumor: a case with 28 years of tumor-bearing history.	Histopathology	老年・高血压内科
Katsuya T.	Inflammation and salt sensitivity in the early state of hypertension.	Hypertension Research	老年・高血压内科
Noso S.	Association of small ubiquitin-like modifier4 (SUMO 4) variant, located in IDDM 5 locus, with type 2 diabetes in the Japanese population.	Journal of Clinical Endocrinology & Metabolism	老年・高血压内科
Fujisawa T.	Renoprotective effect of N-type Ca channel blockade in diabetic nephropathy.	Journal of Diabetes and Its Complications	老年・高血压内科
Babaya-Itoi M.	Fatty liver and obesity: phenotypically correlated but genetically distinct traits in a mouse model of type 2 diabetes.	Diabetologia	老年・高血压内科
Higashi K.	Effect of kihito extract granules on cognitive function in patients with Alzheimer's-type dementia.	Geriatrics and Gerontology International	老年・高血压内科
Ikegami H.	Genetics of type 1 diabetes in Asian and Caucasian populations.	Diabetes Research and Clinical Practice	老年・高血压内科
Ohishi M.	Renal-protective effect of T- and L-type calcium channel blockers in hypertensive patients: an amlodipine-to-benidipine changeover (ABC) study.	Hypertension Research	老年・高血压内科
Takami Y.	Ubiquitin carboxyl-terminal hydrolase L1, a novel deubiquitinating enzyme in the vasculature, attenuates NF- κ B activation.	Arteriosclerosis, Thrombosis and Vascular Biology	老年・高血压内科
Higuchi M.	Tissue inhibitor of metalloproteinase-3 deficiency inhibits blood pressure elevation and myocardial microvascular remodeling induced by chronic administration of N ω -nitro-L-arginine methyl ester in mice.	Hypertension Research	老年・高血压内科
Rakugi H.	Anti-oxidative effect of klotho on endothelial cells through cAMP activation.	Endocrine	老年・高血压内科
Takeda S.	The renin-angiotensin system, hypertension and cognitive dysfunction in Alzheimer's disease: new therapeutic potential.	Frontiers in Bioscience	老年・高血压内科
Iekushi K.	Novel mechanism of valsartan on the treatment of AMI through inhibition of anti-adhesion molecule, periostin.	Hypertension	老年・高血压内科