

Collected Papers for “Cellmatrix” (10 papers in each year)

2002 ~ 2009

2009

	Journal	Vol (No)	Page	Year	First Author	Title
1	Nature Medicine	15 (4)	425	2009	Hong HS.	A new role of substance P as an injury-inducible messenger for mobilization of CD29+ stromal-like cells.
2	Proc Natl Acad Sci USA	106 (38)	16511	2009	Whyte LS.	The putative cannabinoid receptor GPR55 affects osteoclast function in vitro and bone mass in vivo.
3	J Biol Chem	284 (5)	3334	2009	Takahata M.	SKI and MEL1 Cooperate to Inhibit Transforming Growth Factor- β Signal in Gastric Cancer Cells.
4	Tissue Engineering Part A	15 (8)	2029	2009	Inamori M.	An Approach for Formation of Vascularized Liver Tissue by Endothelial Cell Covered Hepatocyte Spheroid Integration.
5	Nature Medicine	15 (6)	701	2009	Ootani A.	Sustained in vitro intestinal epithelial culture within a Wnt-dependent stem cell niche.
6	Tissue Engineering Part A	15 (9)	2727	2009	Koga M.	Contribution of Rat Endothelial Progenitor Cells on Three-Dimensional Network Formation In Vitro.
7	Tissue Engineering Part A	15 (12)	3991	2009	Takami M.	Osteoclast Differentiation Induced by Synthetic Octacalcium Phosphate Through Receptor Activator of NF- κ B Ligand Expression in Osteoblasts.
8	J Cereb Blood Flow Metab	29 (7)	1240	2009	Zhang RL.	Patterns and dynamics of subventricular zone neuroblast migration in the ischemic striatum of the adult mouse.
9	Nature Cell Biology	11 (4)	460	2009	Hogan C.	Characterization of the interface between normal and transformed epithelial cells.
10	Nature Medicine	15 (6)	701	2009	Ootani A.	Sustained in vitro intestinal epithelial culture within a Wnt-dependent stem cell niche.

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	Journal	Vol (No)	Page	Year	First Author	Title
1	Proc Natl Acad Sci USA	105(50)	20009	2008	Murata T.	Role of prostaglandin D2 receptor DP as a suppressor of tumor hyperpermeability and angiogenesis in vivo.
2	Proc Natl Acad Sci USA	105 (36)	13409	2008	Furue MK.	Heparin promotes the growth of human embryonic stem cells in a defined serum-free medium.
3	J Biol Chem	283 (49)	34241	2008	Ogawa E.	p63/p51-induced Onset of Keratinocyte Differentiation via the c-Jun N-terminal Kinase Pathway Is Counteracted by Keratinocyte Growth Factor.
4	J Biol Chem	283 (43)	29119	2008	Matsubara T.	BMP2 Regulates Osterix through Msx2 and Runx2 during Osteoblast Differentiation.
5	Osteoarthritis Cartilage	16(9)	1083	2008	Mimura T.	A novel exogenous concentration-gradient collagen scaffold augments full-thickness articular cartilage repair.
6	Tissue Engineering Part A	14 (7)	1141	2008	Sasaki R.	Tubulation with Dental Pulp Cells Promotes Facial Nerve Regeneration in Rats.
7	Tissue Engineering Part A	14 (1)	149	2008	Hanada S.	Soluble Factor Dependent In Vitro Growth and Maturation of Rat Fetal Liver Cells in a Three-Dimensional Culture System.
8	The EMBO Journal	27 (23)	3151	2008	Kosodo Y.	Cytokinesis of neuroepithelial cells can divide their basal process before anaphase.
9	The EMBO Journal	27 (3)	522	2008	Kidoya H.	Spatial and temporal role of the apelin/APJ system in the caliber size regulation of blood vessels during angiogenesis.
10	Nature Medicine	14 (9)	966	2008	Chang E.J.	Brain-type creatine kinase has a crucial role in osteoclast-mediated bone resorption.

2007

	Journal	Vol (No)	Page	Year	First Author	Title
1	Nature Method	4 (3)	227	2007	Nakao K.	The development of a bioengineered organ germ method.
2	Proc Natl Acad Sci USA	104 (51)	20386	2007	Ma Z.	Mutations of HNF-1 β inhibit epithelial morphogenesis through dysregulation of SOCS-3.
3	Tissue Engineering	13 (9)	2175	2007	Kobayashi K.	Potential of Heterotopic Fibroblasts as Autologous Transplanted Cells for Tracheal Epithelial Regeneration.
4	Journal of Cell Science	120 (5)	849	2007	Kondo S.	Dual effects of the membrane-anchored MMP regulator RECK on chondrogenic differentiation of ATDC5 cells.
5	Journal of Cell Science	120 (9)	1607	2007	Yana I.	Crosstalk between neovessels and mural cells directs the site-specific expression of MT1-MMP to endothelial tip cells.
6	Cancer Research	67 (9)	4311	2007	Taniwaki K.	Stroma-Derived Matrix Metalloproteinase (MMP)-2 Promotes Membrane Type 1-MMP-Dependent Tumor Growth in Mice.
7	Stem Cells	25 (12)	3005	2007	Hayashi Y.	Integrins Regulate Mouse Embryonic Stem Cell Self-Renewal.
8	Tissue Engineering	13 (7)	1443	2007	Yamamura N.	Effects of the Mechanical Properties of Collagen Gel on the In Vitro Formation of Microvessel Networks by Endothelial Cells.
9	J Invest Dermatol	127 (4)	855	2007	Tanaka A.	Topical Application with a New NF- κ B Inhibitor Improves Atopic Dermatitis in NC/NgaTnd Mice.
10	Developmental Biology	303 (1)	45	2007	Yoshii C.	Neural retinal regeneration in the anuran amphibian <i>Xenopus laevis</i> post-metamorphosis: Transdifferentiation of retinal pigmented epithelium regenerates the neural retina.

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	Journal	Vol (No)	Page	Year	First Author	Title
1	J Biol Chem	281 (8)	5008	2006	Fukumoto S.	Laminin α 5 Is Required for Dental Epithelium Growth and Polarity and the Development of Tooth Bud and Shape.
2	J Biol Chem	281 (48)	36846	2006	Hikita A.	Negative Regulation of Osteoclastogenesis by Ectodomain Shedding of Receptor Activator of NF- κ B Ligand.
3	J Biol Chem	281 (19)	13209	2006	Yahata Y.	A novel function of angiotensin II in skin wound healing. Induction of fibroblast and keratinocyte migration by angiotensin II via heparin-binding epidermal growth factor (EGF)-like growth factor-mediated EGF receptor transactivation.
4	Biochem Biophys Res Comm	341 (4)	1029	2006	Kihara T.	Exogenous type I collagen facilitates osteogenic differentiation and acts as a substrate for mineralization of rat marrow mesenchymal stem cells in vitro.
5	Biochem Biophys Res Comm	346 (1)	268	2006	Che ZM.	Collagen-based co-culture for invasive study on cancer cells-fibroblasts interaction.
6	Cells Tissues Organs	182 (3-4)	143	2006	Heckmann L.	Mesenchymal Progenitor Cells Communicate via Alpha and Beta Integrins with a Three-Dimensional Collagen Type I Matrix.
7	J Biomater Sci Polym Ed	17 (8)	837	2006	Inoue N.	A novel collagen hydrogel cross-linked by gamma-ray irradiation in acidic pH conditions.
8	J Bone Miner Res	21 (6)	956	2006	Fujihara S.	Function and Regulation of Osteopontin in Response to Mechanical Stress.
9	J Neurosci Methods	151 (2)	250	2006	Ohnuma K.	Serum-free culture conditions for serial subculture of undifferentiated PC12 cell.
10	Anesth Analg	102 (6)	1703	2006	Matsu S.	The Effect of Sevoflurane on Ciliary Motility in Rat Cultured Tracheal Epithelial Cells: A Comparison with Isoflurane and Halothane.

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1	Tissue Engineering	11 (9-10)	1553	2005	Ito A.	Novel Methodology for Fabrication of Tissue-Engineered Tubular Constructs Using Magnetite Nanoparticles and Magnetic Force.
2	J Biol Chem	280 (5)	42164	2005	Masuda M.	Tumor Suppressor in Lung Cancer (TSLC)1 Suppresses Epithelial Cell Scattering and Tubulogenesis.
3	J Biol Chem	280 (25)	24035	2005	Kobayashi Y.	Prostaglandin E2 Receptors EP2 and EP4 Are Down-regulated during Differentiation of Mouse Osteoclasts from Their Precursors.
4	Tissue Engineering	11 (9-10)	1506	2005	Sato Y.	Evaluation of Proliferation and Functional Differentiation of LLC-PK1 Cells on Porous Polymer Membranes for the Development of a Bioartificial Renal Tubule Device
5	Oncogene	24 (35)	5471	2005	Yamamichi N.	The Brm gene suppressed at the post-transcriptional level in various human cell lines is inducible by transient HDAC inhibitor treatment, which exhibits antioncogenic potential.
6	Cell Death Differ	12 (4)	384	2005	Asoh S.	Zonal necrosis prevented by transduction of the artificial anti-death FNK protein.
7	Biol Proced Online	7 (1)	41	2005	Watanabe M.	Involvement of integrin-linked kinase in capillary/tube-like network formation of human vascular endothelial cells.
8	Biomaterials	26 (14)	2165	2005	Torisawa Y.	Multi-channel 3-D cell culture device integrated on a silicon chip for anticancer drug sensitivity test.
9	Circulation Research	96 (8)	890	2005	Bi D.	Contractile Properties of the Cultured Vascular Smooth Muscle Cells : The Crucial Role Played by RhoA in the Regulation of Contractility.
10	Journal of Cell Science	118 (15)	3289	2005	Furuya K.	Characteristics of subepithelial fibroblasts as a mechano-sensor in the intestine: cell-shapedependent ATP release and P2Y1 signaling.

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	Journal	Vol (No)	Page	Year	First Author	Title
1	J Biol Chem	279 (32)	34015	2004	Ichida F.	Reciprocal Roles of Msx2 in Regulation of Osteoblast and Adipocyte Differentiation.
2	J Biol Chem	279 (29)	30771	2004	Das I.	Notch Oncoproteins Depend on γ -Secretase/Presenilin Activity for Processing and Function.
3	J Biol Chem	279 (18)	18600	2004	Matsui J.	Stem Cell Factor/c-kit Signaling Promotes the Survival, Migration, and Capillary Tube Formation of Human Umbilical Vein Endothelial Cells.
4	J Biol Chem	279 (17)	17660	2004	Miyazaki T.	Src Kinase Activity Is Essential for Osteoclast Function.
5	Biochem Biophys Res Comm	325 (3)	1052	2004	Nakao K.	FGF-2 potently induces both proliferation and DSP expression in collagen type I gel cultures of adult incisor immature pulp cells.
6	Mol Biol Cell	15 (10)	4647	2004	Aoki S.	Bone Marrow Stromal Cells, Preadipocytes, and Dermal Fibroblasts Promote Epidermal Regeneration in Their Distinctive Fashions.
7	J Biol Chem	279 (11)	10286	2004	Yuasa K.	Laminin α 2 Is Essential for Odontoblast Differentiation Regulating Dentin Sialoprotein Expression.
8	Biochem Biophys Res Comm	313 (4)	1009	2004	Tanaka A.	An autocrine function of nerve growth factor for cell cycle regulation of vascular endothelial cells.
9	ASAIO J	50 (3)	261	2004	Hayashi K.	A Neo-Esophagus Reconstructed by Cultured Human Esophageal Epithelial Cells, Smooth Muscle Cells, Fibroblasts, and Collagen.
10	Int J Cancer	109 (2)	302	2004	Torisawa Y.	Proliferation assay on a silicon chip applicable for tumors extirpated from mammals.

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	Journal	Vol (No)	Page	Year	First Author	Title
1	Proc Natl Acad Sci USA	100 (9)	5034	2003	Suzuki A.	Glucagon-like peptide 1 (1–37) converts intestinal epithelial cells into insulin-producing cells.
2	J Biol Chem	278 (24)	22112	2003	Takayama Y.	Low Density Lipoprotein Receptor-related Protein (LRP) Is Required for Lactoferrin-enhanced Collagen Gel Contractile Activity of Human Fibroblasts.
3	J Biol Chem	278 (2)	1303	2003	Ishisaki A.	Human Umbilical Vein Endothelium-derived Cells Retain Potential to Differentiate into Smooth Muscle-like Cells.
4	J Biol Chem	278 (41)	40026	2003	Yahata Y.	Nuclear Translocation of Phosphorylated STAT3 Is Essential for Vascular Endothelial Growth Factor-induced Human Dermal Microvascular Endothelial Cell Migration and Tube Formation
5	J Biol Chem	278 (31)	29048	2003	Nagaoka K.	Regulation of Blastocyst Migration, Apposition, and Initial Adhesion by a Chemokine, Interferon γ -inducible Protein 10 kDa (IP-10), during Early Gestation.
6	Biol Pharm Bull	26 (7)	1013	2003	Hirata M.	Discoordinate Regulation of Expression of Matrix Metalloproteinases and Tissue Inhibitor of Metalloproteinases-3 in Bovine Endometrial Stromal Cells on Type-I Collagen Gel.
7	Cell Structure and Function	28 (6)	505	2003	Wang DR.	Stimulation of Pro-MMP-2 Production and Activation by Native Form of Extracellular Type I Collagen in Cultured Hepatic Stellate Cells.
8	Journal of Cell Science	117 (3)	407	2003	Kaneko Y.	Integrin-linked kinase regulates vascular morphogenesis induced by vascular endothelial growth factor.
9	Analytical Chemistry	75 (9)	2154	2003	Torisawa Y.	Scanning Electrochemical Microscopy-Based Drug Sensitivity Test for a Cell Culture Integrated in Silicon Microstructures.
10	Cell Transplantation	12 (5)	527	2003	Sakurai T.	The Development of New Immunosolatory Devices Possessing the Ability to Induce Neovascularization.

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1	J Biol Chem	277 (8)	6178	2002	Koide T.	Xaa-Arg-Gly Triplets in the Collagen Triple Helix Are Dominant Binding Sites for the Molecular Chaperone HSP47.
2	J Biol Chem	277 (9)	7493	2002	Shimoaka T.	Regulation of Osteoblast, Chondrocyte, and Osteoclast Functions by Fibroblast Growth Factor (FGF)-18 in Comparison with FGF-2 and FGF-10.
3	J Biol Chem	277 (46)	44061	2002	Karsdal MA.	Matrix metalloproteinase-dependent activation of latent transforming growth factor-beta controls the conversion of osteoblasts into osteocytes by blocking osteoblast apoptosis.
4	Kidney International	61 (6)	1968	2002	Takemura T.	Role of membrane-bound heparin-binding epidermal growth factor-like growth factor (HB-EGF) in renal epithelial cell branching.
5	Oncogene	21(5)	798	2002	Miyazaki Y.J.	HOXD3 enhances motility and invasiveness through the TGF--dependent and -independent pathways in A549 cells.
6	Int J Cancer	98 (3)	450	2002	Takamura Y.	Prediction of chemotherapeutic response by collagen gel droplet embedded culture-drug sensitivity test in human breast cancers.
7	Invest Ophthalmol Vis Sci	43 (8)	2603	2002	Nakamura K.	Injured Corneal Epithelial Cells Promote Myodifferentiation of Corneal Fibroblasts.
8	Jpn J Cancer Res	93 (10)	1090	2002	Koike K.	Enhanced Expression of Type IV Collagen-binding Protein (p29) in Fyn-transfected Murine Fibrosarcoma Cells.
9	Invest Ophthalmol Vis Sci	43 (11)	3465	2002	Nakamura Y.	Signaling Mechanism of TGF- β 1-Induced Collagen Contraction Mediated by Bovine Trabecular Meshwork Cells.
10	J Cell Physiol	193 (2)	225	2002	Yuasa T.	Sonic hedgehog is involved in osteoblast differentiation by cooperating with BMP-2.