**Education:**

* Hokkaido University science class 2, veterinary school (veterinary science school) graduated from veterinary department
* Graduated from Hokkaido University Graduate School of Veterinary Science and Department of Preventive Function Studies

**Affiliation:**

* From 1 November 2001 to 31 March 2005, Graduate School of Medicine, Assistant Professor, Full-time
* From April 1, 2005 to March 31, 2007, Department of Bio-Physiology, Assistant Professor, Graduate School of Medicine​
* Apr. 01, 2007 ~ Jun. 30, 2009, Department of Physiology, Department of Biophysics, Assistant Professor, Department of Medicine
* July 01, 2009 to March 31, 2011, Department of Medicine, Department of Environmental Medicine, Assistant Professor, Professional
* Apr 01, 2011 ~ Ongoing  Department of Medicine, Department of Medicine, Assistant Professor, Duty
* Annual laboratory facility attached to the Graduate School of Medicine, user faculty member of the animal laboratory facility, concurrent position as of April 1, 2003 to March 31, 2013.​

**Employment history**

* Department of Medicine, Osaka University, Assistant → Assistant teacher → In-school lecturer (Infectious Disease Immunology, Pathological Biochemistry, Renal Physiology, Regenerative Medicine)
* Osaka University, IEXAS & Biomedical Education Center (tumor biochemistry), Postdoctoral researcher (equivalent to lecturer)
* Hokkaido University, Faculty of veterinary medicine, Assistant teacher of the Ministry of Education (Veterinary science, tumor immunology)
* Takeda Pharmaceutical Industry, Central Research Laboratory (Pharmacology, Toxicology, Experimental Pathology)
* Physician Exemption (No.26203, December 18, 1987, Ministry of Agriculture, Forestry and Fisheries)​

**Research content—Specialized field**

* Biological Defense by Endogenous Repair Factor in Septic Pathophysiology and Its Molecular Mechanism" Medical Chemistry
* Molecular basis of biological defense network mechanism in hunger state seen from glucagon" Metabolism and endocrinology related, physiological related, pathophysician chemistry related
* Improvement of nephrotic condition through the albumin synthesis inhibition by hepatic autophagy and analysis of the molecular mechanism" condition Medicinal Chemistry related
* Mechanism of expression regulatory molecules of renal mineral transporter and its physiological significance" Physiology
* Analysis of Proteinuria Mechanism from the View of Amino Acid-mTOR Mechanism: Biological Function Analysis Using TDO-KO Mice" Experimental pathology

**Owned Learn**

* Japan Biochemical Society
* Japanese Society of Pathophysiology
* Japan Regenerative Medicine Association
* Japanese Society of Kidney Disease Medication Therapy
* Japan Veterinary Society
* Kansai experimental animal research group
* Laboratory Animal Medicine

**Publication List of Original Article**

1. Mizuno S\*, Fujinaga T, Tajima M, Otomo K and Koike T. Role of lymphocytes in dogs experimentally rechallenged with canine transmissible sarcoma. **Jpn J Vet Sci** 51: 86-95 (1989) IF=0.782
2. Fujinaga T, Yamashita M, Yoshida MC, Mizuno S, Tajima M, Okamoto Y and Otomo K. The banding patterns of normal canine chromosomes. **Jpn J Vet Sci** 51: 294-299 (1989) IF=0.782
3. Fujinaga T, Yamashita M, Yoshida MC, Mizuno S, Okamoto Y, Tajima M and Otomo K. Chromosome analysis of canine transmissible sarcoma cells. **J Vet Med A** 36: 481-489 (1989) IF=0.931
4. Tajima M, Fujinaga T, Mizuno S and Otomo K. The distributions of phytohemagglutinin-P and concanavalin A binding sites on equine, bovine and canine peripheral blood lymphocytes. **J Vet Med B** 37: 290-296 (1990) IF=1.573
5. Takiguchi M, Fujinaga T, Naiki M, Mizuno S and Otomo K. Isolation, characterization and quantitative analysis of C-reactive protein from horses. **Am J Vet Res** 51: 1215-1220 (1990) IF=1.335
6. Okumura M, Fujinaga T, Yamashita K, Tsunoda N and Mizuno S. Isolation, characterization, and quantitative analysis of ceruloplasmin from horses. **Am J Vet Res** 52: 1979-1985 (1991) IF=1.335
7. Yamashita K, Fujinaga T, Okumura M, Takiguchi M, Tsunoda N and Mizuno S. Serum C-reactive protein (CRP) in horses: The effect of aging, sex, delivery and inflammation on its concentration. **J Vet Med Sci** 53: 1019-1024 (1991) IF=0.782
8. Taira T, Fujinaga T, Tamura K, Izumi M, Itoh H, Tsunoda N, Yamashita K, Okumura M and Mizuno S. Isolation and characterization of a-acid glycoprotein from horses, and its evaluation as an acute-phase reactive protein in horses. **Am J Vet Res** 53: 961-965 (1992) IF=1.335
9. Taira T, Fujinaga T, Okumura M, Yamashita K, Tsunoda N and Mizuno S. Equine haptoglobin: Isolation and characterization, and the effects of aging, delivery and inflammation on its serum concentration. **J Vet Med Sci** 54: 435-442 (1992) IF=0.782
10. Ochiai K, Jin K, Itakura C, Goryo M, Yamashita K, Mizuno S, Fujinaga T and Tsuzuki T. Pathological study of lead poisoning in whooper swans (Cygnus cygnus) in Japan. **Avian Diseases** 36: 313-323 (1992) IF=1.241
11. Mizuno S\*, Fujinaga T and Hagio M. Characterization of dog interleukin-2 activity. **J Vet Med Sci** 55: 925-930 (1993) IF=0.782
12. Mizuno S\*, Fujinaga T and Hagio M. Role of lymphocytes in spontaneous regression of experimentally transplanted canine transmissible venereal sarcoma. **J Vet Med Sci** 56: 15-20 (1994) IF=0.782
13. Mizuno S\*, Fujinaga T and Kurosawa T. Augmentative effects of phytohemagglutinin-P on proliferation and cytotoxicity of interleukin-2-activated canine peripheral blood lymphocytes. **J Vet Med A** 43: 289-296 (1996) IF=0.931
14. Mizuno S\*, Fujinaga T and Kurosawa T. Changes in lymphokine-activated killer activity in peripheral blood lymphocytes of canine transmissible venereal sarcoma models. **Exp Anim** 45: 289-292 (1996)　IF=0.965
15. Mizuno S, Yue BF, Okamoto M, Horikawa Y and Kurosawa T. Diffuse glomerulosclerosis without tubular injury does not manifest renal dysfunction in nephrotic mice (ICGN strain). **Exp Nephrol** 5: 498-507 (1997) IF=2.556
16. Mizuno S, Mizuno-Horikawa Y, Okamoto M and Kurosawa T. Angiotensin-converting enzyme inhibitor suppresses tubular expression of platelet-derived growth factor and attenuates progression of interstitial fibrosis in a nephrotic mouse model. **Nephron** 79: 503-504 (1998) IF=2.556
17. Mizuno S\*, Horikawa Y, Okamoto M and Kurosawa T. Preventive effects of ACE inhibitor on interstitial myofibroblast formation and matrix deposition in a nephrotic model. **Renal Failure** 20: 481-491 (1998) IF=0.944
18. Mizuno S, Kurosawa T, Matsumoto K, Mizuno-Horikawa Y, Okamoto M and Nakamura T. Hepatocyte growth factor prevents renal fibrosis and dysfunction in a mouse model of chronic renal disease. **J Clin Invest** 101: 1827-1834 (1998) IF=13.215
19. Kurosawa T, Matsuda Y, Okamoto M and Mizuno S. Sevoflurane face mask anesthesia in rabbits: A comparison of 3%-sevoflurane with 3%-halothane. **J Exp Anim Sci** 39: 1-13 (1998) IF=0.121
20. Ishii T, Yoshida K, Hasegawa M, Mizuno S, Okamoto M, Tajima M and Kurosawa T. Invention of a force-air-ventilated micro-isolation cage and rack system environment within cages: Temperature and ammonia concentration. **Appl Anim Behaviour Sci** 59: 115-123 (1998) IF=1.497
21. Mizuno S, Mizuno-Horikawa Y, Yue BF, Okamoto M and Kurosawa T. Nephrotic mice (ICGN strain): A Model of diffuse mesangial sclerosis in infantile nephrotic syndrome. **Am J Nephrol** 19: 73-82 (1999) IF=2.646
22. Mizuno S, Matsumoto K, Kurosawa T, Mizuno-Horikawa Y and Nakamura T. Reciprocal balance of hepatocyte growth factor and transforming growth factor-beta1 in renal fibrosis in mice. **Kidney Intl** 57: 937-948 (2000) IF=8.563
23. Yamada T, Hisanaga M, Mizuno S, Matsumoto K, Nakamura T and Nakano H. Enhanced expression of hepatocyte growth factor by pulmonary ischemia reperfusion injury in the rats. **Am J Respir Crit Care Med** 162: 707-715 (2000) IF=12.996
24. Sawashima K, Mizuno S, Mizuno-Horikawa Y, Shimada A, Kudo T and Kurosawa T. Expression of alpha-smooth muscle actin and fibronectin in the tubulo-interstitial lesions of cats with chronic renal failure. **Am J Vet Res** 61: 1080-1086 (2000) IF=1.335
25. Nakamura T, Mizuno S, Matsumoto K, Sawa Y, Matsuda H and Nakamura T. Myocardial protection from ischemia/reperfusion injury by endogenous and exogenous HGF. **J Clin Invest** 106: 1511-1519 (2000) IF=13.215
26. Mizuno S\*, Kurosawa T and Fujinaga T. IL-2-dependent growth of canine anti-tumor lymphocytes: Comparison of human IL-2 with dog IL-2. **Anim Biochem** 36: 39-45 (2000) IF=?
27. Mizuno S\*, Mizuno-Horikawa Y and Kurosawa T. Immunohistochemical analysis of molecular events in tubulo-interstitial fibrosis in a mouse model of diffuse mesangial sclerosis (ICGN strain). **J Vet Med Sci** 63: 299-307 (2001) IF=0.782
28. Mizuno S, Matsumoto K and Nakamura T. Hepatocyte growth factor suppresses tubulo-interstitial fibrosis in a mouse model of obstructive nephropathy. **Kidney Intl** 59: 1304-1314 (2001) IF=8.563
29. Mizuno-Horikawa Y, Mizuno S and Kurosawa T. Advanced glomerulosclerosis is reversible in nephrotic mice. **Biochem Biophys Res Communs** 284: 707-713 (2001) IF=2.297
30. Sawashima K, Mizuno S, Mizuno-Horikawa Y and Kurosawa T. Protein restriction ameliorates renal tubulointerstitial nephritis and reduces renal transforming growth factor-beta expression in unilateral ureteral obstruction. **Exp Nephrol** 10: 7-18 (2002) IF=2.556
31. Sakamaki Y, Matsumoto K, Mizuno S, Miyoshi S, Matsuda H and Nakamura T. Hepatocyte growth factor stimulates proliferation of respiratory epithelial cells during postpneumonectomy compensatory lung growth in mice. **Am J Respir Cell Mol Biol** 26: 525-533 (2002) IF=3.985
32. Bessho K, Mizuno S, Matsumoto K and Nakamura T. Counteractive effects of HGF on PDGF-induced mesangial cell proliferation in a rat model of glomerulonephritis. **Am J Phsiol** 284: F1171-F1180(2003) IF=3.838
33. Mizuno S and Nakamura T. Suppression of chronic glomerular injuries and TGF-beta1 production by HGF in attenuation of murine diabetic nephropathy. **Am J Physiol** 286: F134-143 (2004) IF=3.248
34. Oshima K, Shimamura M, Mizuno S, Tamami K, Doi K, Morishita R, Nakamura T, Kubo T, and Kaneda Y. HGF gene transfer in cerebrospinal fluid can prevent hearing impairment in rats. **FASEB J**, 18: 212-214 (2004) IF=5.043
35. Hattori N, Mizuno S, Yoshida Y, Chin K, Mishima M, Sisson TH, Simon RH, Nakamura T, and Miyake M. The plasminogen activation system reduces fibrosis in the lung by a hepatocyte growth factor-dependent mechanism. **Am J Pathol** 164: 1091-1098 (2004) IF=4.591
36. Mizuno S\*, Wen J and Mizuno-Horikawa Y. Repeated streptozotocin injections cause early onset of glomerulosclerosis in mice. **Exp Anim** 53: 175-180 (2004) IF=0.965
37. Mizui M, Isaka Y, Takabatake Y, Mizuno S, Nakamura T, Ito T, Imai E and Hori M. Electroporation-mediated HGF gene transfer ameliorated cyclosporine nephrotoxicity. **Kidney Intl**, 65: 2041-2053 (2004) IF=8.563
38. Ryugo M, Sawa Y, Ono M, Alechine1 AN, Mizuno S, Nakamura T and Matsuda H. Myocardial protective effect of human recombinant hepatocyte growth factor for prolonged heart graft preservation in rats. **Transplantation**, 78: 1153-1158 (2004) IF=3.828
39. Ishizawa K, Kubo H, Yamada M, Kobayashi S, Suzuki T, Mizuno S, Nakamura T and Sasaki H. Hepatocyte growth factor induces angiogenesis in injured lungs through mobilizing endothelial progenitor cells. **Biochem Biophys Res Communs** 324: 276-280 (2004) IF=2.297
40. Ono M, Sawa Y, Mizuno S, Fukushima N, Ichikawa H, Bessho K, Nakamura T and Matsuda H. Hepatocyte growth factor suppresses vascular medial hyperplasia and matrix accumulation in advanced pulmonary hypertension of rats. **Circulation** 110: 2896-2902 (2004) IF=14.430
41. Mizuno S\* and Kurosawa T. Steroid therapy delays the progression of glomerular sclerosis but not nephrotic symptoms in the ICGN mouse strain. **Vet Biochem** 40: 55-61 (2004) IF=?
42. Nakamura T, Matsumoto K, Mizuno S, Sawa Y, Matsuda H and Nakamura T. Hepatocyte growth factor prevents tissue fibrosis, remodeling and dysfunction in cardiomyopathic hamster hearts. **Am J Physiol**, 288: H2131-2139 (2005) IF=3.838
43. Shigemura N, Sawa Y, Mizuno S, Ono M, Ohta M, Nakamura T, Kaneda Y and Matsuda H. Amelyoration of pulmonary emphysema by in vivo gene transfection with hepatocyte growth factor in rats. **Circulation**, 111: 1407-1414 (2005) IF=14.430
44. Futamastu H, Suzuki J, Mizuno S, Koga N, Adachi S, Kosuge H, Maejima Y, Hirao K, Nakamura T and Isobe M. Hepatocyte growth factor amryorates the progression of experimental autoimmune myocarditis: a potential role for induction of T helper2 cytokines. **Circulation Res**, 96: 823-830 (2005) IF=11.019
45. Mizuno S, Matsumoto K, Li MY and Nakamura T. HGF reduces advancing lung fibrosis in mice: a potential role for MMP-dependent myofibroblast apoptosis. **FASEB J**, 19: 580-582 (2005) IF=5.043
46. Mizuno S and Nakamura T. Prevention of neutrophil extravasation by HGF leads to attenuations of tubular apoptosis and renal dysfunction in mouse ischemic kidneys. **Am J Pathol**, 166: 1895-1905 (2005) IF=4.591
47. Shigemura N, Sawa Y, Mizuno S, Ono M, Minami M, Okumura M, Nakamura T, Kaneda Y and Matsuda H. Induction of compensatory lung growth in pulmonary emphysema improves surgical outcomes in rats. **Am J Respir Crit Care Med**, 171: 1237-1245 (2005) IF=12.996
48. Okunishi K, Dohi M, Nakagome K, Tanaka R, Mizuno S, Matsumoto K, Miyazaki J, Nakamura T and Yamamoto K. A novel role of hepatocyte growth factor as an immune regulator through suppressing dendritic cell function. **J Immunol**, 175: 4745-4753 (2005) IF=4.922
49. Imai Y, Terai H, Nomura-Furuwatari C, Mizuno S, Matsumoto K, Nakamura T and Takaoka K. Hepatocyte growth factor contributes to fracture repair by up-regulating the expression of bone morphogenetic protein receptors. **J Bone Miner Res**, 20: 1723-1730 (2005) IF=6.832
50. Nakahira R, Mizuno S, Yoshimine T and Nakamura T. The loss of local HGF, an endogenous gastrophic factor, leads to mucosal injuries in the stomach of mice. **Biochem Biophys Res Communs**, 341: 897-903 (2006) IF=2.297
51. Taniguchi E, Kin M, Torimura T, Nakamura T, Kumemura H, Hanada S, Hisamoto T, Yoshida T, Kawaguchi T, Baba S, Maeyama M, Koga H, Harada M, Kumashiro R, Ueno T, Mizuno S, Ikeda H, Imaizumi T, Murohara T, Sata M. Endothelial progenitor cell transplantation improves the survival following liver injury in mice. **Gastroenterology**, 130: 521-531 (2006) IF=16.716
52. Shigemura N, Okumura M, Mizuno S, Imanishi Y, Nakamura T and Sawa Y. Autologous transplantation of adipose tissue-derived stromal cells ameliorates pulmonary emphysema. **Am J Transplant**, 6: 2592-2600 (2006) IF=5.683
53. Shigemura N, Okumura M, Mizuno S, Imanishi Y, Matsuyama A, Shiono H, Nakamura T, and Sawa Y. Lung tissue engineering technique with adipose tissue-derived stromal cells improves surgical outcomes for pulmonary emphysema. **Am J Respir Crit Care Med**, 174: 1199-1205 (2006) IF=12.996
54. Koike H, Ishida A, Shimamura M, Mizuno S, Nakamura T, Ogihara T, Kaneda Y, and Morishita R. Prevention of onset of Parkinson's disease by *in vivo* gene transfer of human hepatocyte growth factor in rodent model: a model of gene therapy for Parkinson's disease. **Gene Therapy**, 13: 1639-1644 (2006) IF=3.104
55. Li Z, Mizuno S, and Nakamura T. Anti-necrotic and anti-apoptotic effects of HGF on cholestatic hepatitis in a mouse model of bile congestive diseases. **Am J Physiol**, 292: G639-G646 (2007) IF=3.798
56. [Makiuchi A, Yamaura K, Mizuno S, Matsumoto K, Nakamura T, Amano J, Ito K:](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=17845933&ordinalpos=1&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum) Hepatocyte growth factor prevents pulmonary ischemia-reperfusion injury in mice. **J Heart Lung Transplant**, 26: 935-943 (2007) IF=6.650
57. Homsi E, Janino P, Biswas SW, Mizuno S, Nakamura T, and Lopes de Faria JB. Attenuation of glycerol-induced acute kidney injury by previous partial hepatectomy: Role of hepatocyte growth factor/c-met axis in tubular protection. **Nephron Experiment**, 107: e95-e106 (2007) IF=2.556
58. Ohnishi H, Mizuno S and Nakamura T. Inhibition of tubular cell proliferation by neutralizing endogenous HGF leads to renal hypoxia and bone marrow-derived cell engraftment in renal failure of mice. **Am J Physiol**, 294: F326-F335 (2008) IF=3.248
59. Hegab AE, Kubo H, Hayama M, Asada M, He M, Mizuno S and Nakamura T. Intranasal HGF administration ameriorates the physiological and morphological changes in lung emphysema. **Mol Therapy**, 16: 1417-1426 (2008) IF=6.227
60. [Ito W, Tanimoto M, Ono K, Mizuno S, Yoshida A, Koga H, Fuchimoto Y, Kondo N, Tanimoto Y, Kiura K, Matsumoto K, Kataoka M, Nakamura T, Gelfand EW and Kanehiro A.](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=ShowDetailView&TermToSearch=18004075&ordinalpos=2&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum) Growth factors temporally associate with airway responsiveness and inflammation in allergen-exposed mice. **Int Arch Allergy Immunol**, 145: 324-339 (2008) IF=2.673
61. Kato T, Mizuno-S\*, Taketo MM and Kurosawa T. The possible involvement of tensin2 in the expression and extension of nephrin by glomerular podocytes in mice. **Biomed Res**, 29: 279-287 (2008) IF=1.138
62. Kanai M, Funakoshi H, Takahashi H, Hayakawa T, Mizuno S, Matsumoto K, Nakamura T. Tryptophan 2,3-dioxygenase is a key modulator of physiological neurogenesis and anxiety-related behavior in mice. **Mol Brain**,2: 8-23 (2009) IF=4.902
63. Kamimoto M, Mizuno S, Matsumoto K and Nakamura T. Hepatocyte growth factor prevents multiple organ injuries in endotoxemic mice through a heme oxygenase-dependent mechanism. **Biochem Biophys Res Communs**, 380: 333-337 (2009) IF=2.297
64. Kishi Y, Kuba K, Nakamura T, Wen J, Suzuki Y, Mizuno S, Nukiwa T, Matsumoto K and Nakamura T: Systemic NK4 gene therapy inhibits tumor growth and metastasis of melanoma and lung carcinoma in syngeneic mouse tumor models. **Cancer Sci** 100: 1351-1358 (2009) IF=3.534
65. Kamimoto M, Mizuno S\*, Ohnishi H and Mizuno-Horikawa Y: Type 2a sodium phosphate co-transporter serves as a histological predictor of renal dysfunction and tubular apical damage in the kidney of septic mice. **Biomed Res** 30: 251-258 (2009) IF=1.138
66. Kamimoto M, Mizuno S and Nakamura T. Reciprocal regulation of IL-6 and Il-10 balance by HGF via recruitment of HO-1 in macrophages for attenuation of hepatic injury in a mouse model of endotoxemia. **Int J Mol Med**,24: 161-170 (2009) IF=2.088
67. Koike H, Ishida A, Hayashi T, Shimamura M, Mizuno S, Nakamura T, Iida H, Ogihara T, Kaneda Y, Morishita R. Injection of HGF plasmid cDNA to prevent manifestation of Parkinson disease: a preclinical study using a primate model. Open Gene Therapy Journal 2: 38-44 (2009) IF=?
68. Kato T, Mizuno S\* and Kamimoto M: The decreases of nephrin and nuclear WT1 in podocytes may cause albuminuria during the experimental sepsis in mice. **Biomed Res** 31: 363-369 (2010) IF=1.138
69. Nakazato K, Naganuma W, Ogawa K, Yaoita H, Mizuno S, Nakamura T and Maruyama Y. Attenuation of ischemic myocardial injury and dysfunction by cardiac fibroblast-derived factor(s). **Fukushima J Med Sci** 56: 1-16 (2010) IF=?
70. Mizuno S, Ikebuch F, Fukuta K, Kato T, Matsumoto K, Adachi K, Abe T and Nakamura T: Recombinant human HGF, but not rat HGF, elicits glomerular injury and albuminuria in normal rats via an immune complex-dependent mechanism. **Clin Exp Pharmacol Physiol** 38: 192-201 (2011) IF=2.372
71. Kato T, Mizuno S and Nakamura T: Preservations of nephrin and synaptopodin by HGF in podocytes for the attenuations of foot process injury and albuminuria in nephritic mice. **Nephrology** 16: 310-318 (2011) IF=2.083
72. Kato T, Mizuno-Horikawa-Y and Mizuno S\*: Decreases in podocin, CD2-associated protein (CD2AP) and tensin2 may be involved in albuminuria during septic acute renal failure. **J Vet Med Sci** 73: 1579-1584 (2011) IF=0.782
73. Ohnishi H, Oka K, Mizuno S and Nakamura T. [Identification of mannose receptor as a receptor for HGF β-chain: A novel ligand-receptor pathway for enhancing macrophage phagocytosis.](http://www.ncbi.nlm.nih.gov/pubmed/22354962) **J Biol Chem**, 287: 13371-13381 (2012) IF=4.573
74. Kato T, Funakoshi H, Kadoyama K, Noma S, Kanai M, Ohya-Shimada, W, Mizuno S, Doe N, Taniguchi T and Nakamura T: Hepatocyte growth factor (HGF) overexpression in the nervous system enhances learning and memory performance in mice. **J Neurosci Res**, 90: 1743-1755 (2012) IF=2.594
75. Oka K, Ohya-Shimada W, Mizuno S and Nakamura T: Up-regulation of cyclin-E1 via proline-mTOR pathway is responsible for HGF-mediated G1/S progression in the primary culture of rat hepatocytes. **Biochem Biophys Res Communs**, 435: 120-125 (2013) IF=2.297
76. Ikebuchi F, Oka K, Mizuno S, Fukuta K, Hayata D, Ohnishi H and Nakamura T: Dissociation of c-Met phospho-tyrosine sites in human cells in response to mouse HGF, but not human HGF: The possible roles of different amino acids in different species. **Cell Biochem Function**, 31: 298-304 (2013) IF=2.005
77. Kato T, Mizuno S# and Ito A: A decrease in glomerular endothelial cells and endothelial mesenchymal transition during glomerulosclerosis in the *tensin2*-deficient mice (ICGN strain). **Acta Histochem Cytochemi,** 47: 265-271 (2014) (#: eaqually contributed) IF=1.393
78. Ohnishi-H, Mizuno S\*, Mizuno-Horikawa H and Kato T: Stromal cell-derived factor-1 (SDF1) dependent recruitment of bone marrow-derived renal endothelium-like cells in a mouse model of acute kidney injury. **J Vet Med Sci**, 77: 313-319 (2015) IF=0.782
79. Mizuno S\* and Mizuno-Horikawa Y: Up-regulation of local TGF-beta contributes to a decrease in renal tubular Na+ K+ ATPase and hyperkalemia in a mouse model of crush syndrome. Pharmacology and Pharmacy 7: 481-492 (2016) IF=0.965
80. Kato T and Mizuno S\*: Nephron, WT1 and synaptopodin expression in developing kidney of mice. Experimental Animals 66: 183-189 (2017) IF=0.880

**List of Review Articles**

1. Matsumoto K, Mizuno S and Nakamura T: Hepatocyte growth factor in renal regeneration, renal diseases and potential therapeutics. **Curr Opin Nephrol Hyperten** 9: 395-402 (2000) IF=3.862
2. Mizuno S and Nakamura T: Hepatocyte growth factor: A regenerative drug for acute hepatitis and liver cirrhosis. **Regenerative Med** 2: 161-170 (2007) IF=2.786
3. Mizuno S, Matsumoto K and Nakamura T: HGF, as a renotrophic and anti-fibrotic regulator in chronic renal disease. **Front Biosci** 13: 7072-7086 (2008) IF=3.523
4. Nakamura T and Mizuno S: The discovery of hepatocyte growth factor (HGF) and its significance for cell biology, life sciences and clinical medicine. **Proc Japan Acad Series-B** 86: 588-610 (2010) IF=2.652
5. Oka K, Fukuta K and Mizuno S\*: Hepatocyte growth factor (HGF) for a cell-signal-based therapy during acute and chronic liver diseases. **Current Signal Transduction Therapy** 6: 200-209 (2011) IF=0.452
6. Mizuno S and Nakamura T: Hepatocyte growth factor (HGF), an endogenous pulmotrophic regulator, for the rescue of acute and chronic lung diseases. **Current Signal Transduction Therapy** 6: 210-220 (2011) IF=0.452
7. Mizuno S and Nakamura T: Improvement of sepsis by hepatocyte growth factor (HGF), an anti-inflammatory regulator: Emerging insights and therapeutic potential. **Gastroenterol Res Pract**, 2012: ID 909350, pp1-13 (2012) IF=1.749
8. Mizuno S and Nakamura T: HGF-Met cascade, a key target for inhibiting cancer metastasis: The impact of NK4 discovery on cancer biology and therapeutics. **Int J Mol Sci**, 14: 888-919 (2013) IF=2.862