Curriculum Vitae

Name: Kenichi Ikejima **Degree**: MD, PhD **Sex**: Male

Birth Date: September 20, 1964 **Birth Place**: Tokyo, Japan **Nationality**: Japan

Affiliation: Department of Gastroenterology, Juntendo University Graduate School of Medicine

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Education:

July, 1996 - December, 1997;	Postdoctoral fellow, Dept. of Medicine, Univ. of North Carolina, Chapel Hill, NC (Prof. David A. Brenner)
June, 1994 - June, 1996;	Postdoctoral fellow, Dept. of Pharmacology, Univ. of North Carolina, Chapel Hill, NC (late Prof. Ronald G. Thurman)
April, 1992 - March, 1996;	Doctor course (Ph.D., Doctor of Medical Science), Dept. of Gastroenterology, Juntendo Univ. School of Medicine (Prof. Nobuhiro Sato)
April, 1985 - March, 1989;	Doctor of Medicine, summa cum laude, Juntendo Univ. School of Medicine
April, 1983 - March, 1985;	Bachelor of Science, summa cum laude, Juntendo University

Professional Training and Employment:

Nov. 2017 - present	Professor, Dept. of Gastroenterology, Juntendo Univ. Graduate School of Medicne, Tokyo
Nov. 2016 – October 2017	Senior Associate Professor, Dept. of Gastroenterology, Juntendo Univ. School of Medicne, Tokyo
Feb, 2011 – October 2016	Associate Professor, Dept. of Gastroenterology, Juntendo Univ. Graduate School of Medicine
April, 2007 - January, 2011	Associate Professor, Department of Gastroenterology, Juntendo University School of Medicine, Tokyo
October, 2002 - March, 2007	Assistant Professor, Department of Gastroenterology, Juntendo University School of Medicine, Tokyo
January, 1998- September, 2002	Medical Staff, Department of Gastroenterology, Juntendo University Hospital, Tokyo
July, 1993 - June, 1994	Medical Staff in Internal Medicine, Katsunan Municipal Hospital, Urayasu, Chiba, Japan
June, 1992 - June, 1993;	Medical Staff in Internal Medicine, Department of Gastroenterology, Juntendo University Hospital, Tokyo
May, 1989 - May, 1992;	Resident in Internal Medicine, Juntendo University Hospital, Tokyo
April, 1989;	Passed the Examination of National Board in Japan

Professional Licenses:

Medical license (issued in Japan, No. 322994, dated May 26, 1989)
Occupational health consultant (issued in Japan, No. 3333)

Membership of the Societies:

International

Fellow, American College of Physicians (ACP)
Fellow, International Member; American Gastroenterological Association (AGA)
Fellow, International Member; American Society of Study of Liver Diseases (AASLD)
International Member: European Association for the Study of the Liver (EASL)
Member; Asian Pacific Association for the Study of the Liver (APASL)
Member, International Society for Biomedical Research on Alcoholism (ISBRA)
Director; Asia-Pacific Society for Alcohol and Addiction Research (APSAAR)
Member; American Physiological Society (APS)

Domestic (Japan)

Fellow; the Japanese Society of Internal Medicine
Councilor, Fellow; the Japanese Society of Gastroenterology
Councilor, Fellow; the Japan Society of Hepatology
Board Certified Fellow; Japan Gastroenterological Endoscopy Society
Director; Japanese Medical Society of Alcohol and Addiction Studies
Board Certified Fellow; Japanese Society of Anti-aging Medicine
Board Certified Fellow; The Japan Society for Transplantation
Occupational Physician; the Japan Medical Association

Editorial activities:

Associate Editor

Frontier in Internal Medicine: Gastroenterology

Editorial Board Member

Gastroenterology (since July, 2006)
American Journal of Physiology Gastrointestinal and Liver Physiology
Hepatology International
Frontier in Physiology: Gastrointestinal Science

Editorial Board Member (previous appointment)

Hepatology (July, 2011 - June, 2016)
Journal of Gastroenterology
Journal of Gastroenterology and Hepatology
World Journal of Gastroenterology
World Journal of Hepatology

Selected publications:

1. Ikejima K, Watanabe S, Kitamura T, Hirose M, Miyazaki A, Sato N: Hepatocyte growth factor inhibits intercellular communication via gap junctions in rat hepatocytes. *Biochem Biophys Res Commun* 214: 2, 440-446, 1995. PMID: 7677749
2. Ikejima K, Iimuro Y, Forman DT, Thurman RG: A diet containing glycine improves survival in endotoxin shock in the rat. Am. J. Physiol. 271: G97-G103, 1996. PMID: 8760112
3. Iimuro Y, Ikejima K, Bradford BU, Thurman RG: Nimodipine, a dihidropyridine-type calcium channel blocker, prevents alcoholic hepatitis due to chronic intragastric ethanol exposure in the rat. Hepatology 24: 391-397, 1996. PMID: 8690410
4. Ikejima K, Qu W, Stachelevitch R, Thurman RG: Kupffer cells contain a glycine-gated chloride channel. Am. J. Physiol. 272: G1581-G1586, 1997. PMID: 9227496
5. Ikejima K, Enomoto N, Iimuro Y, Ikejima A, Fang D, Xu J, Forman DT, Brenner DA, Thurman RG. Estrogen increases sensitivity of hepatic Kupffer cells to endotoxin. *Am. J. Physiol.* 274: G669-G676, 1998.
6. Enomoto N, Ikejima K, Bradford BU, Rivera C, Kono H, Brenner DA, Thurman RG. Alcohol causes both tolerance and sensitization of rat Kupffer cells via mechanisms dependent of endotoxin. *Gastroenterology*: 115: 443-451, 1998.
7. Ikejima K, Enomoto N, Seabra V, Ikejima A, Brenner DA, Thurman RG. Pronase destroys the lipopolysaccharide receptor CD14 on Kupffer cells. *Am. J. Physiol.* 276: G591-G598, 1999.
8. Yin M, Ikejima K, Wheeler MD, Bradford BU, Seabra V, Forman DT, Sato N, Thurman RG. Estrogen is involved in early alcohol-induced liver injury in rat enteral feeding model. *Hepatology* 31: 117-123, 2000.
9. Zhang Y-J, Ikejima K, Honda H, Kitamura T, Takei Y, Sato N. Glycine prevents apoptosis of rat sinusoidal endothelial cells caused by deprivation of vascular endothelial growth factor. *Hepatology* 32: 542-546, 2000.
10. Ikejima K, Honda H, Yoshikawa M, Hirose M, Kitamura T, Takei Y, Sato N. Leptin augments inflammatory and profibrogenic responses in the murine liver induced by hepatotoxic chemicals. *Hepatology* 34: 288-297, 2001.
11. Ikejima K, Takei Y, Honda H, Hirose M, Yoshikawa M, Zhang YJ, Lang T, Fukuda T, Kitamura T, Sato N. Leptin receptor-mediated signaling regulates hepatic fibrogenesis and remodeling of extracellular matrix in the rat. *Gastroenterology* 122: 1399-1410, 2002.
12. Honda H, Ikejima K, Hirose M, Yoshikawa M, Tie Lang, Enomoto N, Kitamura T, Takei Y, Sato N. Leptin is required for fibrogenic responses in the murine liver induced by thioacetamide.

Hepatology 36: 12-21, 2002.
13. Tsune I, Ikejima K, Hirose M, Yoshikawa M, Enomoto N, Takei Y, Sato N. Dietary glycine prevents chemical-induced experimental colitis in the rat. *Gastroenterology* 125: 775-585, 2003.
14. Ikejima K, Lang T, Zhang YJ, Yamashina S, Honda H, Yoshikawa M, Hirose M, Enomoto N, Kitamura T, Takei Y, Sato N. Expression of leptin receptors in hepatic sinusoidal cells. *Comparative Hepatology* 3(Suppl I): S12, 2004.
15. Lang T, Ikejima K, Yoshikawa M, Enomoto N, Iijima K, Kitamura T, Yakei Y, Sato N. Leptin facilitates proliferation of hepatic stellate cells through up-regulation of platelet-derived growth factor receptor. *Biochem. Biophys. Res. Commun.* 323: 1091-1095, 2004.
16. Ikejima K, Okumura K, Lang T, Honda H, Abe W, Yamashina S, Enomoto N, Takei Y, Sato N. The role of leptin in progression of non-alcoholic fatty liver disease. *Hepatol. Res.* 33(2): 151-154, 2005.
17. Yaginuma R, Ikejima K, Okumura K, Kon K, Suzuki S, Takei Y, Sato N. Hepatic steatosis is a predictor of poor response to interferon □-2b and ribavirin combination therapy in Japanese patients with chronic hepatitis C. *Hepatol. Res.* 35(1): 19-25, 2006.
18. Okumura K, Ikejima K, Kon K, Abe W, Yamashina S, Enomoto N, Takei Y, Sato N. Exacerbation of dietary steatohepatitis and fibrosis in obese, diabetic KK-A^y mice. *Hepatol. Res.* 36: 217-228, 2006.
19. Aoyama T, Ikejima K, Kon K, Okumura K, Arai K, Watanabe S. Pioglitazone promotes survival and prevents hepatic regeneration failure after partial hepatectomy in obese and diabetic KK-A^y mice. *Hepatology* 49(5):1636-44, 2009.
20. Kon K, Ikejima K, Okumura K, Arai K, Aoyama T, Watanabe S. Diabetic KK-A^y mice are highly susceptible to oxidative hepatocellular damage induced by acetaminophen. *Am J Physiol Gastrointest Liver Physiol* 299: G329-337, 2010.
21. Ishikawa S, Ikejima K, Yamagata H, Aoyama T, Kon K, Arai K, Takeda K, Watanabe S. CD1d-restricted natural killer T cells contribute to hepatic inflammation and fibrogenesis in mice. *J Hepatol* 54(6): 1195-204, 2011.
22. Wang X, Ikejima K, Kon K, Arai K, Aoyama T, Okumura K, Abe W, Sato N, Watanabe S. Ursolic acid ameliorates hepatic fibrosis in the rat by specific induction of apoptosis in hepatic stellate cells. *J Hepatol* 55(2): 379-87, 2011.
23. Inami Y, Yamashina S, Izumi K, Ueno T Tanida I, Ikejima K, Watanabe S. Hepatic steatosis inhibits autophagic proteolysis via impairment of autophagosomal acidification and cathepsin expression. *Biochem Biophys Res Commun* 412: 618-625, 2011. PMID: 21856284
24. Igusa Y, Yamashina S, Izumi K, Inami Y, Fukada H, Komatsu M, Tanaka K, Ikejima K, Watanabe S. Loss of autophagy promotes murine acetaminophen hepatotoxicity. *J Gastroenterol* 47(4): 433-443, 2012. PMID: 22124574
25. Imajo K, Jujita K, Yoneda M, Nozaki Y, Ogawa Y, Shinohara Y, Kato S, Mawatari H, Shibata w, Kitani H, Ikejima K, Kirikoshi H, Nakajima N, Saito S, Maeyama S, Watanabe S, Wada K, Nakajima A. Hyperresponsivity to low-dose endotoxin during progression to nonalcoholic steatohepatitis is regulated by leptin-mediated signaling. *Cell Metab* 16(1): 44-54, 2012. PMID: 22768838
26. Fukada H, Yamashina S, Izumi K, Komatsu M, Tanaka K, Ikejima K, Watanabe S. Suppression of autophagy sensitizes Kupffer cells to endotoxin. *Hepatol Res* 42(11):1112-8, 2012. PMID: 22583683
27. Yamagata H, Ikejima K, Takeda K, Aoyama T, Kon K, Okumura K, Watanabe S. Altered expression and function of hepatic natural killer T cells in obese and diabetic KK-A^y mice. *Hepatol Res* 43(3):276-88, 2013. PMID: 22834991
28. Hosoya S, Ikejima K, Takeda K, Arai K, Ishikawa S, Yamagata H, Aoyama T, Kon K, Yamashina S, Watanabe S. Innate immune responses involving natural killer and natural killer T cells promote liver regeneration after partial hepatectomy in mice. *Am J Physiol Gastrointest Liver Physiol* 304(3):G293-9, 2013. PMID: 23086918
29. Fukuo Y, Yamashina S, Sonoue H, Arakawa A, Nakadera E, Aoyama T, Uchiyama A, Kon K, Ikejima K, Watanabe S. Abnormality of autophagic function and cathepsin expression in the liver from patients with non-alcoholic fatty liver disease. *Hepatol Res* 44(9):1026-36, 2014.
30. Watanabe S, Hashimoto E, Ikejima K, Uto H, Ono M, Sumida Y, Seike M, Takei Y, Takehara T, Tokushige K, Nakajima A, Yoneda M, Saibara T, Shiota G, Sakaida I, Nakamuta M, Mizuta T, Tsubouchi H, Sugano K, Shimosegawa T. Evidence-based clinical practice guidelines for nonalcoholic fatty liver disease/nonalcoholic steatohepatitis. *J Gastroenterol* 50(4):364-77, 2015.

31. Morinaga M, Kon K, Saito H, Arai K, Kusama H, Uchiyama A, Yamashina S, Ikejima K, Watanabe S.Sodium 4-phenylbutyrate prevents murine dietary steatohepatitis caused by trans-fatty acid plus fructose. *J Clin Biochem Nutr*. 57(3):183-91, 2015. PMID: 26566303
32. Nakadera E, Yamashina S, Izumi K, Inami Y, Sato T, Fukushima H, Kon K, Ikejima K, Ueno T, Watanabe S. Inhibition of mTOR improves the impairment of acidification in autophagic vesicles caused by hepatic steatosis. *Biochem Biophys Res Commun* 22;469(4):1104-10, 2016. PMID: 26687947
33. Takashima S, Ikejima K, Arai K, Yokokawa J, Kon K, Yamashina S, Watanabe S. Glycine prevents metabolic steatohepatitis in diabetic KK-Ay mice through modulation of hepatic innate immunity. *Am J Physiol Gastrointest Liver Physiol* 311(6):G1105-G1113, 2016. PMID: 27659424
34. Kon K, Ikejima K, Morinaga M, Kusama H, Arai K, Aoyama T, Uchiyama A, Yamashina S, Watanabe S.L-carnitine prevents metabolic steatohepatitis in obese diabetic KK-Ay mice. *Hepatol Res* 47(3):E44-E54, 2017. PMID: 27062266
35. Kusama H, Kon K, Ikejima K, Arai K, Aoyama T, Uchiyama A, Yamashina S, Watanabe S.Sodium 4-phenylbutyric acid prevents murine acetaminophen hepatotoxicity by minimizing endoplasmic reticulum stress. *J Gastroenterol* 52(5):611-622, 2017. PMID: 27599972
36. Aoyama T, Kuwahara-Arai K, Uchiyama A, Kon K, Okubo H, Yamashina S, Ikejima K, Kokubu S, Miyazaki A, Watanabe S. Spleen-derived lipocalin-2 in the portal vein regulates Kupffer cells activation and attenuates the development of liver fibrosis in mice. *Lab Invest* Aug;97(8):890-902, 2017. PMID: 28504685