Curriculum Vitae

Name	**Takanori Kanai**
Country	**Japan**
Organization	**Keio University,School of Medhicine**
Current Position	**Professor and Chairman**

Educational Background

Keio University School of Medicine(M.D.)
Keio University,Graduate School of Medicine(Ph.D)

Professional Experience

Clinical research and therapy of IBD, Mucosal Immunology

Professional Organizations

Department of Gastroenterology and Hepatology

Main Scientific Publications

1.Teratani T, Mikami Y, Nakamoto N, Suzuki S ,Harada, Okabayashi K, Hagihara Y, Taniki N,Kohno K, Sibata S, Miyamoto K, Ishigame H, Chu P, Sujino S, Suda W, Hattori M, Matsui,M, Okada T, Okano H, Inoue M, Yada T, Kitagawa Y, Yoshimura A, Tanida M, Tsuda M,Iwasaki Y, Kanai T. The liver-brain-gut neural arc maintains the regulatory T cell niche in the gut. Nature (DOI: 10.1038/s41586-020-2425-3), 2020a.
2.Nanki K, Fujii M, Shimokawa M, Matano M, Nishikori S, Date S, Takano A, Toshimitsu K,Ohta Y, Takahashi S, Sugimoto S, Ishimaru K, Kawasaki K, Nagai Y, Ishii R, Yoshida K,Sasaki N, Hibi T, Ishihara S, Kanai T, Sato T. Somatic inflammatory gene mutations in human ulcerative colitis epithelium. Nature 577; 254-9, 2020.
3.Nakamoto N, Sasaki N, Aoki R, Miyamoto K, Suda W, Teratani T, Suzuki T, Koda Y, Chu PS,Taniki N, Yamaguchi A, Kanamori M, Kamada N, Hattori M, Ashida H, Sakamoto M,Atarashi K, Narushima S, Yoshimura A, Honda K, Sato T, Kanai T. Gut pathobionts underlie intestinal barrier dysfunction and liver T helper 17 cell immune response in primary sclerosing cholangitis. Nature Microbiology 4; 92-503, 2019.
4.Koda Y, Nakamoto N, Chu P, Ugamura A, Mikami Y, Teratani T, Tsujikawa H, Shiba S, Taniki,N, Sujino T, Miyamoto K, Suzuki T, Yamaguchi A, Morikawa R, Sato K, Sakamoto M,Yoshimoto T, Kanai T. Plasmacytoid dendritic cells protect against immune-mediated acute liver injury via IL-35. J Clin Invest 129; 3201-13, 2019.
5.Nanki K, Toshimitsu K, Takano , Fujii M, Shimokawa M, Ohta Y, Matano M, Seino T,Nishikori S, Ishikawa K., Kawasaki K, Togasaki K, Takahashi S, Sukawa Y, Ishida H,Sugimoto S, Kawakubo H, Kim J,

Kitagawa Y, Sekine S, Koo B, Kanai T, Sato T.Divergent routes toward Wnt and R-spondin niche independency during human gastric carcinogenesis. Cell 174; 856-69, 2018
6.Nakamoto N, Amiya T, Aoki R, Taniki N, Koda Y, Miyamoto K, Teratani T, Suzuki T, Chiba S,Chu PS, Hayashi A, Yamaguchi A, Shiba S, Miyake R, Katayama T, Suda W, Mikami Y,Kamada N, Ebinuma H, Saito H, Hattori M, Kanai T. Commensal lactobacillus controls immune tolerance during acute liver injury in mice. Cell Report 21; 1215-26, 2017.
7.Shimokawa M, Ohta Y, Nishikori S, Matano M, Takano A, Fujii M, Date S, Sugimoto S,Kanai T, Sato T. Visualization and targeting of LGR5+ human colon cancer stem cells.Nature 545; 187-92, 2017.
8.Hayashi A, Mikami Y, Miyamoto K, Kamada N, Sato T, Mizuno S, Naganuma M,
Teratani T, Aoki R, Fukuda S, Suda W, Hattori M, Amagai M, Ohyama M, Kanai T.Intestinal dysbiosis and biotin deprivation induce alopecia through overgrowth of Lactobacillus murinus in mice. Cell Report 20; 1513-24, 2017.
9.Fujii M, Kanai T, et al. A Colorectal Tumor Organoid Library Demonstrates Progressive Loss of Niche Factor Requirements during Tumorigenesis. Cell Stem Cell. 18: 827-38,2016
10.Hayashi A, Sato T, Kamada N, Mikami Y, Matsuoka K, Hisamatsu T, Hibi T, Roers A, Yagita H, Ohteki T, Yoshimura A, Kanai T. A single strain of Clostridium butyricum 4 induces intestinal IL-10-producing macrophages to suppress acute experimental colitis in mice. Cell Host Microbe 13: 711-722, 2013.
11.Kanai T, Watanabe M, Okazawa A, Sato T, Yamazaki M, Okamoto S, Ishii H, Totsuka T,Iiyama R, Okamoto R, Ikeda M, Kurimoto M, Takeda K, Akira S, Hibi T.Macrophage-derived IL-18 mediated colitis in the murine model of Crohn's disease.Gastroenterology 121: 875-888, 2001.
12.Kanai T, et al. IL-18 is a potent proliferative factor for intestinal mucosal lymphocytes in Crohn's disease. Gastroenterology 119: 1514-1523, 2000.