


Curriculum Vitae

| | | |
|--|---|--|
|  | Name (First Name / Middle Name / Last Name) | Kazuhiko Uchiyama |
| | Title (Prof. Dr., etc.) | Dr. |
| | Affiliation | Molecular Gastroenterology and Hepatology, Kyoto Prefectural University of Medicine |
| | Country | Japan |
| | E-mail | k-uchi@koto.kpu-m.ac.jp |

Educational Background

Ph.D. in Medical Science

Kyoto Prefectural University of Medicine, Kyoto, Japan
2000–2004

M.D. (Doctor of Medicine)

Kyoto Prefectural University of Medicine, Kyoto, Japan
1989–1995

Professional Career

Senior Lecturer (Associate Professor)

Molecular Gastroenterology and Hepatology, Kyoto Prefectural University of Medicine, Kyoto, Japan
April 2019 – Present

Assistant Professor

Molecular Gastroenterology and Hepatology, Kyoto Prefectural University of Medicine, Kyoto, Japan
April 2009 – March 2018

Staff Physician

Shin Ooe Hospital, Kyoto, Japan
April 2008 – March 2009

Staff Physician

Gakkentoshi Hospital, Kyoto, Japan
April 2007 – March 2008

Research Fellow

Department of Regulatory Biology, Kyoto Prefectural University of Medicine
December 2006 – March 2007

Postdoctoral fellow

University of Chicago, Martin Boyer Laboratories, Chicago, USA
January 2004 – November 2006

Graduate School of Medicine

Kyoto Prefectural University of Medicine, Kyoto, Japan
April 2000 – December 2003

Assistant Professor (Staff Physician)

Asahi University Hospital, Gifu, Japan
April 1997 – March 2000

Resident

Kyoto Prefectural University of Medicine Hospital
April 1995 – March 1997

Research Field

- Inflammatory Bowel Disease (IBD)
- Mucosal Immunology
- Cytokine Signaling in Ulcerative Colitis
- Transcriptomic Analysis of Colonic Tissue
- Response Prediction to Biologic Therapies

Main Scientific Publications

1. **Uchiyama K**, Takagi T, Mizushima K, et al., Mucosal cytokine expression associated with deep endoscopic mucosal healing in ulcerative colitis. *J Crohns Colitis* **2025** Mar 5;19(3):jjae158
2. **Uchiyama K**, Ando T, Kishimoto E, et al., Correlation of gastrointestinal symptom rating scale and frequency scale for the symptoms of gastroesophageal reflux disease with endoscopic findings. *Scand J Gastroenterol* **2024** Sep 20:1-9
3. **Uchiyama K**, Takagi T, Mizushima K, et al., Clinical background factors as predictors of the efficacy of 5-Aminosalicylic acid suppositories in patients with ulcerative colitis. *Inflamm Intest Dis* **2023** Aug 10;8(2):84-90
4. Kajiwaru-Kubota M, **Uchiyama K (Corresponding author)**, Asaeda K, et al., Partially hydrolyzed guar gum increased colonic mucus layer in mice via succinate-mediated MUC2 production. *NPJ Sci Food* **2023** Mar 28;7(1):10.
5. **Uchiyama K**, Takagi T, Mizushima K, et al., Mucosal addressin cell adhesion molecule 1 expression reflects mucosal inflammation and subsequent relapse in patients with ulcerative colitis. *J Crohns Colitis* **2023** May 3;17(5):786-794
6. **Uchiyama K**, Takagi T, Mizushima K, et al., Investigation on the inhibitory effect of Wnt5a on colonic mucosal inflammation in patients with ulcerative colitis. *Dig Dis Sci* **2022** Oct;67(10):4760-4769
7. **Uchiyama K**, Takagi T, Mizushima K, et al., Mucosal interleukin-8 expression as a predictor of subsequent relapse in ulcerative colitis patients with Mayo endoscopic subscore. *J Gastroenterol Hepatol* **2022** Jun;37(6):1034-1042.
8. **Uchiyama K**, Naito Y, Yagi N, et al., Identification of colorectal neoplasia by using serum bile acid profile. *Biomarkers* **2021** Jul;26(5):462-467.
9. **Uchiyama K**, Takagi T, Mizushima K, et al., Increased mucosal IL-12 expression is associates with relapse of ulcerative colitis. *BMC Gastroenterol* **2021** Mar 17;21(1):122
10. Nakano T, **Uchiyama K (Corresponding author)**, Ushiroda C, et al., Promotion of wound healing by acetate in murine colonic epithelial cell via c-Jun N-terminal kinase activation. *J Gastroenterol Hepatol* **2020** Jul;35(7):1171-1179, 2020
11. **Uchiyama K**, Naito Y, Takagi T. Intestinal microbiome as a novel therapeutic target for local and systemic inflammation. *Pharmacol Ther* **2019** Mar 12;S0163-7258(19)30045-2
12. **Uchiyama K**, Naito Y, Yagi N, et al., Selected reaction monitoring for colorectal cancer diagnosis using a set of five-serum peptides identified by BLOTCHIP®-MS analysis. *J Gastroenterol* **2018** Nov;53(11):1179-1185
13. **Uchiyama K**, Takagi T, Kashiwagi S, et al., Assessment of endoscopic mucosal healing of ulcerative colitis using linked colour imaging, a novel endoscopic enhancement system. *J Crohns Colitis* **2017** Aug 1;11(8):963-969
14. **Uchiyama K**, Yagi Y (equally contributed first author), Mizushima K, et al., Serum metabolomics analysis for early detection of colorectal cancer. *J Gastroenterol* **2017** Jun;52(6):677-694
15. **Uchiyama K**, Musch MW, Chang EB, et al., Butyrate and bioactive proteolytic form of Wnt-5a regulate colonic epithelial proliferation and spatial development. *Sci Rep* **2016** Aug 26;6:32094.
16. Horii Y, **Uchiyama K (Corresponding author)**, Toyokawa Y, et al., Partially hydrolyzed guar gum enhances colonic epithelial wound healing via activation of RhoA and ERK1/2. *Food Funct* **2016** Jul 13;7(7):3176-83.
17. **Uchiyama K**, Takagi T, Iwamoto Y, et al., New genetic biomarkers predicting azathioprine blood concentrations in combination therapy with 5-aminosalicylic acid. *PLoS One* **2014** Apr 24;9(4):e95080
18. Kugai M, **Uchiyama K (Corresponding author)**, Tsuji T, et al., MDR1 is related to intestinal epithelial injury induced by acetylsalicylic acid. *Cell Physiol Biochem* **2013**;32(4):942-50.
19. **Uchiyama K**, Naito Y, Takagi T, et al., Serpin B1 protects colonic epithelial cell via blockage of neutrophil elastase activity and its expression is enhanced in patients with ulcerative colitis. *Am J Physiol Gastrointest Liver Physiol* **2012** 15;302(10):G1163-70
20. **Uchiyama K**, Naito Y, Takagi T, et al., FGF19 protects colonic epithelial cells against hydrogen peroxide. *Digestion* **2011** 83(3):180-3
21. **Uchiyama K**, Naito Y, Takagi T, et al., Carbon monoxide enhance colonic epithelial restitution via FGF15 derived from colonic myofibroblasts. *Biochem Biophys Res Commun* **2010** 1;391(1):1122-6
22. **Uchiyama K**, Takano H, Yanagisawa R, et al., A novel water-soluble vitamin E derivative prevents acute lung injury by bacterial endotoxin. *Clin Exp Pharmacol Physiol* **2004** 31: 226-30
23. **Uchiyama K**, Ida K, Okuda J, et al., Correlations of Hemoglobin Index (IHb) of Gastric Mucosa with Helicobacter pylori (H pylori) Infection and Inflammation of gastric mucosa. *Scand J Gastroenterol* **2004** 39(11):1054-60