



SIDDS 2023

Seoul International Digestive Disease Symposium 2023

In Conjunction with the Annual Meeting of the Korean Society of Gastroenterology

April 8-9, 2023 Hybrid congress



Name	Ryuichi Okamoto
Affiliation	Tokyo Medical and Dental University (TMDU)
Country	Japan
Major Field	Inflammatory bowel disease, Regenerative medicine

Educational Background	
1990-1996	M.D. Tokyo Medical and Dental University, Tokyo, Japan.
2000-2004	Ph.D. Gastroenterology, Tokyo Medical and Dental University, Tokyo, Japan; Laboratory of Dr. Mamoru Watanabe.
Residency:	
1996-1997	Resident in Internal Medicine, Tokyo Medical and Dental University Hospital, Tokyo, Japan.
Fellowship:	
1997-1998	Fellow in Internal Medicine, Tokyo Kyosai Hospital, Tokyo, Japan
1998-2000	Fellow in Gastroenterology, Hokushin General Hospital, Nagano, Japan
2000-2001	Fellow in Gastroenterology, Kashiwa Municipal Hospital, Chiba, Japan

Professional Experience	
2004-2007	Research Fellow, Japan Society for the Promotion of Science
2007-2013	Associate Professor, Department of Advanced Therapeutics for GI diseases, Tokyo Medical and Dental University (TMDU), Tokyo, Japan.
2013- 2020	Professor, Center for Stem Cell and Regenerative Medicine, Tokyo Medical and Dental University, Tokyo, Japan.
2018- 2019	Special Advisor to the President, Tokyo Medical and Dental University (TMDU), Tokyo, Japan.
2020- 2022	Deputy Director, Project Planning & Organizational Reform, Tokyo Medical and Dental University (TMDU), Tokyo, Japan.
2020- present	Professor, Department of Gastroenterology and Hepatology, Tokyo Medical and Dental University (TMDU), Tokyo, Japan.
2020- present	Director, Advanced Clinical Center for Inflammatory Bowel Diseases, Tokyo Medical and Dental University (TMDU), Tokyo, Japan.

Other Experience and Professional Memberships
MEMBERSHIPS AND OFFICES IN PROFESSIONAL SOCIETIES
Japanese Society of Gastroenterology (1996-present)
Board Certified Gastroenterologist of The Japanese Society of Gastroenterology (2006-)
Journal Steering Committee; 2013-present
Board member of Councilors; 2015-present
Japan Gastroenterological Endoscopy Society (1996- present)
Board Certified Endoscopist of The Japanese Society of Internal Medicine (2004-)
Japanese Society of Internal Medicine (1996- present)
Board Certified Physician of The Japanese Society of Internal Medicine (1999-)
The Japanese Society of Regenerative Medicine (2015-present)



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American Gastroenterological Association (2016-present)

SCIENTIFIC REVIEW ACTIVITIES

Associate Editor:

Journal of Gastroenterology (2013-2015)

Clinical Journal of Gastroenterology (2015-present)

Main Scientific Publications

1. Takahashi J, Mizutani T, Sugihara HY, Nagata S, Kato S, Hiraguri Y, Takeoka S, Tsuchiya M, Kuno R, Kakinuma S, Watanabe M, Okamoto R. Suspension culture in a rotating bioreactor for efficient generation of human intestinal organoids. *Cell Rep Methods*. 2022 Nov 15;2(11):100337.
2. Takenaka K, Fujii T, Kawamoto A, Suzuki K, Shimizu H, Maeyashiki C, Yamaji O, Motobayashi M, Igarashi A, Hanazawa R, Hibiya S, Nagahori M, Saito E, Okamoto R, Ohtsuka K, Watanabe M. Deep neural network for video colonoscopy of ulcerative colitis: a cross-sectional study. *Lancet Gastroenterol Hepatol*. 2022 Mar;7(3):230-237.
3. Takenaka K, Ohtsuka K, Fujii T, Oshima S, Okamoto R, Watanabe M. Deep Neural Network Accurately Predicts Prognosis of Ulcerative Colitis Using Endoscopic Images. *Gastroenterology*. 2021 May;160(6):2175-2177.
4. Ishibashi F, Shimizu H, Nakata T, Fujii S, Suzuki K, Kawamoto A, Anzai S, Kuno R, Nagata S, Ito G, Murano T, Mizutani T, Oshima S, Tsuchiya K, Nakamura T, Watanabe M, Okamoto R. Contribution of ATOH1⁺ Cells to the Homeostasis, Repair, and Tumorigenesis of the Colonic Epithelium. *Stem Cell Reports*. 2018 Jan 9;10(1):27-42.
5. Yui S, Nakamura T, Sato T, Nemoto Y, Mizutani T, Zheng X, Ichinose S, Nagaishi T, Okamoto R, Tsuchiya K, Clevers H, Watanabe M: Functional engraftment of colon epithelium expanded in vitro from a single adult Lgr5⁺ stem cell. *Nat. Med.*, 2012; 18:618-623.
6. Okamoto R, Matsumoto T, Yajima T, Mori T, Okamoto S, Ikeda Y, Mukai M, Yamazaki M, Oshima S, Tsuchiya K, Nakamura T, Kanai T, Okano H, Inazawa J, Hibi T, Watanabe M: Increase of bone marrow-derived secretory lineage epithelial cells during regeneration in the human intestine. *Gastroenterology*, 2005; 128(7):1851-1867.
7. Okamoto R, Watanabe M: Molecular and clinical basis for the regeneration of human gastrointestinal epithelia. *J. Gastroenterol.*, 2004; 39(1):1-6.
8. Okamoto R, Yajima T, Yamazaki M, Kanai T, Mukai M, Okamoto S, Ikeda Y, Hibi T, Inazawa J, Watanabe M, Watanabe M: Damaged epithelia regenerated by bone marrow-derived cells in the human gastrointestinal tract. *Nat. Med.*, 2002; 8(9):1011-1017.