Curriculum vitae: Christoph Gasche

Medical University of Vienna, Department of Medicine 3, Div. Gastroenterology and Hepatology

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christoph.gasche@meduniwien.ac.at

Date and place of birth: February 6th, 1965; Vienna, Austria

ACADEMIC APPOINTMENTS INSTITUTION

Associate Professor of Medicine Medical University of Vienna (MUW), Austria

Faculty Dept. of Medicine 3, Div. Gastroenterology   
& Hepatology and General Hospital Vienna

2007-2014 Head, Christian Doppler Laboratory on Molecular Cancer Chemoprevention, MUW, Vienna, Austria

EDUCATION/TRAINING INSTITUTION AND LOCATION

1983 – 1989 Medicine (M.D.) University of Vienna

1989 - 1990 Postdoctoral Fellow Experimental Hematology, Univ. of Vienna

1990 - 1996 Internship and Residency Dept. of Medicine 4, Univ. of Vienna

1996 - 1998 Fellow in Gastroenterology Div. Gastroenterology, Univ. of Vienna

1999 - 2001 Visiting Professor Univ. of California, San Diego

SELECTED ACTIVITIES IN THE SCIENTIFIC COMMUNITY:

1996 - 1998 Chairman, International Working Party for a phenotypic classification of Crohn’s disease.

1997 - 1999 Secretary General, Austrian Society of Gastroenterology and Hepatology (OEGGH)

1997 - 1999 Research Committee, World Organization of Gastroenterology (*OMGE*)

2000 - 2001 Abstract Review Committees, American Gastroenterological Association (*AGA*)

2005 - 2007 Chairman, International Consensus on iron deficiency and anemia in IBD

MEMBERSHIP IN PROFESSIONAL SOCIETIES:

International Organization of Inflammatory Bowel Disease (IOIBD), International Society for Gastrointestinal Hereditary Tumours (InSiGHT), European Society of Gastrointestinal Endoscopy (ESGE), American Gastroenterological Association (AGA), American Society of Gastrointestinal Endoscopy (ASGE), Austrian Society of Gastroenterology and Hepatology (ÖGGH),

CONSENSUS BOARDS:

Austrian Consensus Board of the “Inflammatory Bowel Disease Study Group” (1996-98), German Consensus Board for the “Diagnosis and Treatment of Crohn’s Disease” (2001), German Consensus Board on “Therapy of Crohn’s Disease” (2002), German Consensus Board on “Therapy of Ulcerative Colitis” (2003), European Consensus Board on “Crohn’s disease” (2004), International Working Party “Toward an Integrated Clinical, Molecular and Serological Classification of IBD” (WCOG 2005), German Consensus Update on “Crohn’s Disease” (2007), ECCO Consensus on anemia and iron deficiency in IBD (2013)

JOURNAL REFEREE:

Apoptosis, Aliment Pharm Therap, Am J Gastroenterol, Cancer Letters, Cancer Res, CEJ Med, Clin Cancer Res, Clin Gastroenterol Hepatol, Clin Nutrition, Dig Liver Dis, Drugs, Eur J Clin Invest, Eur J Gastroenterol Hepatol, Eur J Ultrasound, Gastroenterology, Genes and Immunity, Gene Therapy, Gut, Inflamm Bowel Dis, Int J Colorectal Dis, J Clin Gastroenterol, Mut Res, Nat Clin Prac Gastroenterol Hepatol, Oncogene, Pediatrics, PNAS, PLoS ONE, Scand J Gastroenterol, World J Gastroenterology

JOURNAL EDITORIAL

Section Editor: *Eur J Clin Invest,* [www.nataonline.com](http://www.nataonline.com), [www.irontherapy.org](http://www.irontherapy.org)

Editorial Board: *Gut, Genes and Immunity, Eur J Clin Invest, World J Gastroenterology,* *Int J Inflamm*

FIELDS OF RESEARCH

- Iron deficiency: intravenous iron therapy; regulation of thrombopoiesis

- Colorectal cancer: genetic instability and chemoprevention

- Inflammatory bowel diseases: clinical assessment, experimental therapies, environmental triggers.

- Endoscopic device development: Appendoectomy®, Megachannel®, Appendicoscopy; GIRO

EXTERNALLY FUNDED NATIONAL AND INTERNATIONAL PROJECTS (RECENT YEARS)

2005 Austrian Science Fund P17943 (“Interaction of IL-10 with IL-10 receptor 1 variants”)

2005 Austrian Science Fund P18270 (“Chronic inflammation and colorectal cancer”)

2007 Christian Doppler Foundation (“Molecular Cancer Chemoprevention”)

2008 Austrian Science Fund P21200 (“Iron and Megakaryopoiesis)

2011 MUW-UniWien Cluster Grant (“Role of disbalanced mRNA stability in the development of inflammation-associated colorectal cancer”)

2012 Austrian Science Fund P24121 (“Ulcerative colitis and microsatellite instability”)

2014 ERA-NET on Translational Cancer Research (TRANSCAN): “Mesalazine for Lynch Syndrome”

2015 Austrian Science Fund P27631 (“Megakaryopoiesis, Thrombosis and Iron Deficiency”)

SELECTED PUBLICATIONS (from over 125 published)

1. Kortüm B, Campregher C, Lang M, Khare V, Pinter M, Evstatiev R, Schmid G, Mittlböck M, Scharl T, Kucherlapati MH, Edelmann W, Gasche C. Mesalazine and thymoquinone attenuate intestinal tumour development in Msh2loxP/loxP Villin-Cre mice. Gut 64(12):1905-12. 2015
2. Khare V, Paul G, Movadat O, Frick A, Jambrich M, Krnjic A, Marian B, Wrba F, Gasche C. IL-10R2 overexpression promotes IL-22/STAT3 signaling in colorectal carcinogenesis. *Cancer Immunol Res*. 3(11):1227-35. 2015
3. Ferlitsch A, Puespoek A, Gasche C. Endoscopic imaging of the vermiform appendix (with video). Gastrointest Endosc 80(6):1156-60. 2014
4. Jimenez K, Khare V, Evstatiev R, Kulnigg-Dabsch S, Jambrich M, Strobl H, Gasche C. Increased expression of HIF2α during iron deficiency-associated megakaryocytic differentiation. *J Thromb Haemost*. 13(6):1113-27, 2015
5. Khare V, Lyakhovich A, Dammann K, Lang M, Borgmann M, Tichy B, Pospisilova S, Luciani G, Campregher C, Evstatiev R, Pflueger M, Hundsberger H, Gasche C. Mesalamine modulates intercellular adhesion through inhibition of p-21 activated kinase-1. Biochem Pharmacol 15;85(2):234-44, 2013
6. Evstatiev R, Marteau P, Iqbal T, Khalif IL, Stein J, Bokemeyer B, Chopey IV, Gutzwiller FS, Riopel L, Gasche C for the FERGI study group**.** FERGIcor, a randomized controlled trial on ferric carboxymaltose for iron deficiency anemia in inflammatory bowel disease. Gastroenterology 141(3):846-853.e1-2, 2011
7. Campregher C, Honeder C, Chung H, Carethers J, Gasche C. Mesalazine reduces microsatellite instability in TGFBR2 and ACVR2 by improvement of replication fidelity in mononucleotide repeats. Clin Cancer Res 16 (6):1950-1956, 2010
8. Campregher C, Scharl T, Nemeth M, Honeder C, Jascur T, Boland CR, Gasche C. The Nucleotide Composition Affects Both Replication Fidelity and Repair Proficiency at Microsatellites in Human Colorectal Cells. Hum Mol Genet, 19(13):2648-57, 2010
9. Gasche C, Berstad A, Befrits R, Beglinger C, Dignass A, Erichsen K, Gomollon F, Hjortswang H, Koutroubakis I, Kulnigg S, Oldenburg B, Rampton D, Schroeder O, Stein J, Travis S, Van Assche G. Guidelines on the diagnosis and management of iron deficiency and anemia in inflammatory bowel diseases. Inflamm Bowel Dis 13(12):1545-53, 2007
10. Luciani MG, Campregher C, Fortune JM, Kunkel TA, Gasche C**.** 5-ASA affects cell cycle progression in colorectal cells by reversibly activating a replication checkpoint. *Gastroenterology* 132(1):221-35, 2007
11. Gasche C, Grundtner P. Genotypes and phenotypes in Crohn's disease: do they help in clinical management? *Gut* 54:162-7, 2005
12. Gasche C, Goel A, Natarajan L, Boland CR. Mesalazine improves replication fidelity in cultured colorectal cells. *Cancer Res* 65:3993-7, 2005Gasche C, Lomer MCE, Cavill I, Weiss G. Iron, anaemia, and inflammatory bowel diseases. *Gut* 53:1190–1197, 2004
13. Gasche C, Grundtner P, Zwirn P, Reinisch W, Shaw SH, Zdanov A, Sarma U, Williams LM, Foxwell B, Gangl A. Identification and characterization of novel single nucleotide polymorphisms of the IL-10R1. *J Immunol* 170:5578-82, 2003
14. Gasche C, Chang CL, Natarajan L, Goel A, Rhees J, Young D, Arnold C, Boland CR. Identification of frameshift intermediate mutant cells. *PNAS* 100:1914-1919, 2003
15. Gasche C, Chang CL, Rhees J, Goel A, Boland CR. Oxidative stress increases frameshift mutations in human colorectal cancer cells. *Cancer Res* *61*:7444-7448, 2001
16. Gasche C, Scholmerich J, Brynskov J, D'Haens G, Hanauer SB, Irvine EJ, Jewell DP, Rachmilewitz D, Sachar DB, Sandborn WJ, Sutherland LR. A simple classification of Crohn's disease: report of the Working Party for the World Congresses of Gastroenterology, Vienna 1998. Inflamm Bowel Dis 6:8-15, 2000

Editor of 6 books, 27 book chapters, >300 national and international lectures