

Professional experiences

- 2018 Habilitation (Internal Medicine), Medical University of Graz
- 2003 Board certification for Internal Medicine
- since 2009 Attending Physician, Division of Gastroenterology and Hepatology, Department of Internal Medicine, Medical University of Graz, Austria, Chariman Prof. Dr. Günter J Krejs, Prof. Dr. Peter Fickert
- 2003 - 2009 Attending Physician at the Kastanienhof Privat Hospital, Graz, Austria
- 2002 - 2003 Fellow at the Kastanienhof Privat Hospital, Graz, Austria
- 1998 - 2002 Fellow, Department of Gastroenterology and Hepatology, University Hospital for Internal Medicine, Medical University Innsbruck, Chairman Prof. Dr. Wolfgang Vogel
- 1998 Clinical Research Fellow at the Department for Liver Studies at the King`s College Hospital, London, UK, Chairman PhD Peter Donaldson
- 1997 Clinical research Fellow, Department of Gastroenterology and Hepatology, University Hospital for Internal Medicine, Medical University Innsbruck, Chairman Prof. Dr. Wolfgang Vogel

Education

- 1997 Promotion (Dr. med. univ.)
- 1991 - 1997 School of Medicine (Rigorosstudium Medizin O201), Leopold-Franzens University Innsbruck, Austria

Top 5 Oral Presentations

- 2017 „Stuhltransplantation und Mikrobiotatherapie der Zukunft, Clostridium difficile und neue Indikationen.“ Invited lecture, ÖGGH annual meeting, June 2017, Linz, AUSTRIA
- 2017 „Stuhltransplantation: Etablierte und experimentelle Indikationen“ Invited lecture, Gastro Update November 2017, Innsbruck, AUSTRIA
- 2017 „Helicobacter pylori“ Invited lecture, Falk Gastro Forum, October 2017, Salzburg. AUSTRIA
- 2016 “The future of FMT: research and clinical practice” fecal Microbiota Transplantation Dissemination Project, July 2016; Rome, ITALY
- 2013 “Preliminary clinical results of repeated fecal microbiota transplantation in chronic active ulcerative colitis” Oral presentation, United European Gastroenterology Week (UEGW); October 2013; Berlin, GERMANY

Honors ▪ Awards

2013 best abstract presentation, United European Gastroenterology Week (UEGW); October 2013; Berlin, GERMANY

2013 MSD Award for inflammatory bowel disease

Top 5 Career Related Activities in Editorial Boards, as Reviewers and Memberships

Since 2015	Head of the infectious section of the Austrian Society for Gastroenterology and Hepatology (ÖGGH)
Since 2014	General secretary of the Austrian Neuroendocrine Tumor Society (ANETS)
Since 2013	President of the GJK- NETzwerk, Verein zur Förderung der Wissenschaft an Neuroendokrinen Tumoren
Since 2016	Reviewer for peer-reviewed scientific journals: United European Gastroenterology Journal UEG, BMC Gastroenterology, Scientific Reports
2016	Coordinator of the Working Group IV of the European FMT Working Group

Top 5 Externally funded projects (since 2012)

Co- Investigator:

2017 – ongoing	Stand-alone project: Science award of the Austrian Society of Gastroenterology and Hepatology: Study investigating if specific fecal microbiota alterations can predict a refractory disease course to standard steroid therapy in patients with active ulcerative colitis. total amount of funding: € 75.000
2015 - 2017	Industrial sponsored academic research supported by industrial partner: Seres Therapeutics Inc., Cambridge USA Fecal Microbiota Transplantation for Ulcerative Colitis total amount of funding: € 233.300
2011 – 2014	Stand-alone project, project number: 14321, anniversary funds of the Österreichische Nationalbank: Typing of <i>Klebsiella oxytoca</i> Strains in Relation to Toxin-Production and their Association with Colitis total amount of funding: € 109.600
2016- current	FWF- Programme Clinical Research: GPR55 and its lysophospholipid ligand: a potential proinflammatory and oncogenic axis in the colon (P.I.: Rudolf Schicho, Ph.D. Institute of Experimental and Clinical Pharmacology, Medical University of Graz: € 218.200)

Top (Inter)-national Collaborations (only SFB-MecBaEff relevant)

Hanno Tröger, M.D. Department of Gastroenterology, Infectiology and Rheumatology, Charité University Hospital Berlin, Germany

W. Florian Fricke, Ph.D., Institute of Biological Chemistry Nutrition. University Hohenheim, Stuttgart, Germany

Alexander Moschen, M.D. Department of Medicine, Division of Internal Medicine I (Gastroenterology & Hepatology, Endocrinology and Metabolism), Medical University Innsbruck, Austria

Gottfried Novacek, M.D. Department of Medicine, Department of Internal Medicine III, Medical University of Vienna, Vienna, Austria

List of publications

- (1) Blesl A, Krones E, Pollheimer MJ, Haybaeck J, Wiesspeiner U, Lipp RW, Kump P. Downgrading of a G3 Neuroendocrine Tumor to a G2 Tumor: Can First-Line Cytotoxic Chemotherapy Change the Tumor Biology; Case Rep Oncol. 2017 Dec 20;10(3):1121-1126
- (2) Kump P, Wurm P, Gröchenig HP, Wenzl H, Petritsch W, Halwachs B, Wagner M, Stadlbauer V, Eherer A, Hoffmann KM, Deutschmann A, Reicht G, Reiter L, Slawitsch P, Gorkiewicz G, Högenauer C. The taxonomic composition of the donor intestinal microbiota is a major factor influencing the efficacy of fecal microbiota transplantation in therapy refractory ulcerative colitis; Aliment Pharmacol Ther 2018;47:67-77.
- (3) Cammarota G, Inario G, Tilg H, Rajilic`-Stojanovic` M, Kump P, Satokari R, Sokol H, Arkkila P, Pintus C, Hart A, Segal J, Aloï M, Masucci L, Molinaro A, Scaldaferri F, Gasbarrini G, Lopez-Sanroman A, Link A, de Groot P, de Vos WM, Högenauer C, Malfertheiner P, Mattila E, Milosavljevid` T, Nieuwdorp M, Sanguinetti M, Simren M, Gasbarrini A, European FMT Working Group 2017. European consensus conference on faecal microbiota transplantation in clinical practice. Gut. 2017;66(4):569-580
- (4) Panzuto F, Merola E, Pavel ME, Rinke A, Kump P, Partelli S, Rinzivillo M, Rodriguez-Laval V, Pape UF, Lipp R, Gress T, Wiedenmann B, Falconi M, Delle Fave G. Stage IV Gastro-Entero-Pancreatic Neuroendocrine Neoplasms: A Risk Score to Predict Clinical Outcome. Oncologist. 2017;22(4):409-415.
- (5) Merola E, Pavel ME, Panzuto F, Capurso G, Cicchese N, Rinke A, Gress TM, Iannicelli E, Prosperi D, Pizzichini P, Prasad V, Kump P, Lipp R, Partelli S, Falconi M, Wiedenmann B, Delle Fave G. Functional Imaging in the Follow-Up of Enteropancreatic Neuroendocrine Tumors: Clinical Usefulness and Indications. J Clin Endocrinol Metab. 2017;102(5):1486-1494.
- (6) Spindelboeck, W, Schulz E, Uhl B, Kashofer K, Aigelsreiter A, Zinke-Cerwenka W, Mulabecircovic A, Kump PK, Halwachs B, Gorkiewicz G, Sill H, Greinix H, Högenauer C, Neumeister P. Repeated fecal microbiota transplantations attenuate diarrhea and lead to sustained changes in the fecal microbiota in acute, refractory gastrointestinal graft-versus-host-disease. Haematologica. 2017;102(5).
- (7) Bashir M, Prietl B, Tauschmann M, Mauthner SI, Kump PK, Treiber G, Wurm P, Gorkiewicz G, Högenauer C, Pieber TR. Effects of high doses of vitamin D3 on mucosa-associated gut microbiome vary between regions of the human gastrointestinal tract. Eur J Nutr. 2016;55(4):1479-1489.
- (8) Kump P, Högenauer C. Any Future for Fecal Microbiota Transplantation as Treatment Strategy for Inflammatory Bowel Disease? Dig Dis. 2016;34 Suppl 1: 74-81.
- (9) Kump PK, Krause R, Allerberger F, Högenauer C. Fecal microbiota transplantation – the Austrian approach. Clin Microbiol Infect. 2014;20(11):1106-1111.
- (10) Kump PK, Krause R, Steininger C, Gröchenig HP, Moschen A, Madl C, Novacek G, Allerberger F, Högenauer C. Recommendations for the use of faecal microbiota transplantation “stool transplantation“: consensus of the Austrian Society of Gastroenterology

and Hepatology (ÖGGH) in cooperation with the Austrian Society of Infectious Diseases and Tropical Medicine. *Z Gastroenterol.* 2014;52(12):1485-1492.

(11) Schwetz V, Horvath K, Kump P, Lackner C, Perren A, Forrer F, Pieber TR, Treiber G, Sourij H, Mader JK. Successful Medical Treatment of Adult Nesidioblastosis With Pasireotide over 3 Years: A Case Report. *Medicine (Baltimore).* 2016;95(14):e3272-e3272

(12) Fabian E, Haas B, Kump P, Lipp R, Kornprat P, Lufti A, Talakic E, Fuchsjäger M, Spindelboeck W, Lackner C, Zollner G, Krejs GJ. Clinical-Pathological Conference Series from medical University of Graz: Case No. 154: 32-year-old computer software engineer with nodular mass in the liver. *Wien Klin Wochenschr.* 2016;128(7-8):277-286.

(13) Zollner-Schwetz I, Herzog KA, Feierl G, Leitner E, Schneditz G, Sprenger H, Prattes J, Petritsch W, Wenzl H, Kump P, Gorkiewicz G, Zechner E, Högenauer C. The Toxin-Producing Pathobiont *Klebsiella oxytoca* is Not Associated with Flares of Inflammatory Bowel Diseases. *Dig Dis Sci.* 2015;60(11):3393-3398.

(14) Högenauer C, Kump PK, Krause R. Tempered enthusiasm for fecal transplantation? *Clin Infect Dis.* 2014;59(9):1348-1349.

(15) Sturm EM, Radnai B, Jandl K, Stancic`A, Parzmair GP, Högenauer C, Kump P, Wenzl H, Petritsch W, Pieber TR, Schuligoi R, Marsche G, Gerreiro`s N, Heinemann A, Schicho R. Opposing roles of prostaglandin D2 receptors in ulcerative colitis. *J Immunol.* 2014;193(2):827-839.

(16) Kump PK, Gröchenig HP, Lackner S, Trajanoski S, Reicht G, Hoffmann KM, Deutschmann A, Wenzl HH, Petritsch W, Krejs GJ, Gorkiewicz G, Högenauer C. Alteration of intestinal dysbiosis by fecal microbiota transplantation does not induce remission in patients with chronic active ulcerative colitis. *Inflamm Bowel Dis.* 2013;19:2155-2165.

(17) Tauschmann M, Prietl B, Treiber G, Gorkiewicz G, Kump P, Högenauer C, Pieber TR. Distribution of CD4(pos)-, CD8(pos)- and regulatory T cells in the upper and lower gastrointestinal tract in healthy young subjects. *PLoS One.* 2013;8(11).

(18) Kump PK, Högenauer C, Wenzl HH, Petritsch W. A case of opportunistic skin infection with *Mycobacterium marinum* during adalimumab treatment in a patient with Crohn's disease. *J Crohns Colitis.* 2013;7(1)e15-e18.

(19) Fabian E, Kump P, Krejs GJ. Diarrhea caused by circulating agents. *Gastroenterol Clin North Am.* 2012;41(3):603-610

(20) Constantini PK, Wawrzynowicz-Syczewska M, Clare M, Boron-Kaczmarska A, McFarlane IG, Cram ME, Donaldson PT. Interleukin-1, interleukin-10 and tumor necrosis factor-alpha gene polymorphisms in hepatitis C virus infection: an investigation of the relationships with spontaneous viral clearance and response to alpha-interferon therapy. *Liver.* 2002;22(5):404-412.

(21) Donaldson PT, Clare M, Constantini PK, Hadzic N, Mieli-Vergani G, Howard E, Kelley D. HLA and cytokine gene polymorphisms in biliary atresia. *Liver.* 2002; 22(3):213-219.

(22) Donaldson PT, Norris S, Constantini PK, Bernal W, Harrison P, Williams R. The interleukin-1 and interleukin-10 gene polymorphisms in primary sclerosing cholangitis: no associations with disease susceptibility/resistance. *J Hepatol.* 2000;32(6):882-886.

(23) Cookson S, Constantini PK, Clare M, Unterhill JA, Bernal W, Czaja AJ, Donaldson PT. Frequency and nature of cytokine gene polymorphisms in type 1 autoimmune hepatitis. *Hepatology.* 1999;30(4):851-856.

(24) Czaja AJ, Cookson S, Constantini PK, Clare M, Unterhill JA, Donaldson PT. Cytokine polymorphisms associated with clinical features and treatment outcome in type 1 autoimmune hepatitis. *Gastroenterology* 1999;117(3):645-652.

10 Most Relevant Publications (Entire Career)

(1) Kump P, Wurm P, Gröchenig HP, Wenzl H, Petritsch W, Halwachs B, Wagner M, Stadlbauer V, Eherer A, Hoffmann KM, Deutschmann A, Reicht G, Reiter L, Slawitsch P, Gorkiewicz G, Högenauer C. The taxonomic composition of the donor intestinal microbiota is a major factor influencing the efficacy of fecal microbiota transplantation in therapy refractory ulcerative colitis; *Aliment Pharmacol Ther* 2018;47:67-77.

(2) Cammarota G, Inario G, Tilg H, Rajilic`-Stojanovic` M, Kump P, Satokari R, Sokol H, Arkkila P, Pintus C, Hart A, Segal J, Aloï M, Masucci L, Molinaro A, Scaldaferri F, Gasbarrini G, Lopez-Sanroman A, Link A, de Groot P, de Vos WM, Högenauer C, Malfertheiner P, Mattila E, Milosavljevid` T, Nieuwdorp M, Sanguinetti M, Simren M, Gasbarrini A, European FMT Working Group 2017. European consensus conference on faecal microbiota transplantation in clinical practice. *Gut.* 2017;66(4):569-580

(3) Kump PK, Gröchenig HP, Lackner S, Trajanoski S, Reicht G, Hoffmann KM, Deutschmann A, Wenzl HH, Petritsch W, Krejs GJ, Gorkiewicz G, Högenauer C. Alteration of intestinal dysbiosis by fecal microbiota transplantation does not induce remission in patients with chronic active ulcerative colitis. *Inflamm Bowel Dis.* 2013;19:2155-2165.

(4) Merola E, Pavel ME, Panzuto F, Capurso G, Cicchese N, Rinke A, Gress TM, Iannicelli E, Prosperi D, Pizzichini P, Prasad V, Kump P, Lipp R, Partelli S, Falconi M, Wiedenmann B, Delle Fave G. Functional Imaging in the Follow-Up of Enteropancreatic Neuroendocrine Tumors: Clinical Usefulness and Indications. *J Clin Endocrinol Metab.* 2017;102(5):1486-1494.

(5) Spindelboeck, W, Schulz E, Uhl B, Kashofer K, Aigelsreiter A, Zinke-Cerwenka W, Mulabecircovic A, Kump PK, Halwachs B, Gorkiewicz G, Sill H, Greinix H, Högenauer C, Neumeister P. Repeated fecal microbiota transplantations attenuate diarrhea and lead to sustained changes in the fecal microbiota in acute, refractory gastrointestinal graft-versus-host-disease. *Haematologica.* 2017;102(5).

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(7) Sturm EM, Radnai B, Jandl K, Stancic`A, Parzmair GP, Högenauer C, Kump P, Wenzl H, Petritsch W, Pieber TR, Schuligoi R, Marsche G, Gerreiro`s N, Heinemann A, Schicho R. Opposing roles of prostaglandin D2 receptors in ulcerative colitis. *J Immunol.* 2014;193(2):827-839.

(8) Tauschmann M, Prietl B, Treiber G, Gorkiewicz G, Kump P, Högenauer C, Pieber TR. Distribution of CD4(pos)-, CD8(pos)- and regulatory T cells in the upper and lower gastrointestinal tract in healthy young subjects. *PLoS One.* 2013;8(11).

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(10) Czaja AJ, Cookson S, Constantini PK, Clare M, Underhill JA, Donaldson PT. Cytokine polymorphisms associated with clinical features and treatment outcome in type 1 autoimmune hepatitis. *Gastroenterology* 1999;117(3):645-652.