

Marco Gasparetto
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Employment

Honorary Associate Professor

Norwich Medical School
University of East Anglia
8 Dec 2022 → present

Qualifications

Honorary Associate Professor – December 2022 (University of East Anglia – UEA, Norwich, UK)

Honorary Senior Lecturer in Paediatric Gastroenterology – January 2022 (Queen Mary University of London, UK)

Consultant Paediatric Gastroenterologist – February 2019 (The Royal London Children's Hospital)

October 2015 – March 2019: Doctor of Medicine, Post-grad MD Degree, Hughes Hall College, University of Cambridge, United Kingdom

May 2016 – January 2019: Dave Casson CICRA IBD Fellow (Crohn's in Childhood Research Association)
Department of Paediatric Gastroenterology, Hepatology and Nutrition
Cambridge University Hospitals CUH-FT - Addenbrooke's, United Kingdom

March 2018 – Fellow of the Royal College of Paediatrics and Child's Health (FRCPCH)

July 2014: Specialty Degree in Paediatrics with an interest in Paediatric Gastroenterology from Padua University Hospital - Italy (CCT Equivalent). Final grade: 100/100 cum laude

Dissertation Title: "Clinical course and outcomes of diagnosing Inflammatory Bowel Disease in children 10 years and under: retrospective cohort study from two tertiary centres in the United Kingdom and Italy"

Dissertation Advisors: Prof Graziella Guariso, Dr Matthias Zilbauer

July 2008: Graduation in Medicine and Surgery from the University of Padua - Italy

Dissertation Title: "Inflammatory Bowel Disease: a study about the evolution from childhood to adulthood"

Dissertation advisor: Prof Graziella Guariso

Final grade: 110/110 cum laude

July 2002: Science High School Diploma, Liceo Scientifico Alvisè Cornaro, Padua, Italy, (A-levels Equivalent). Final grade: 100/100.

Professional registration

General Medical Council (GMC) Number: 7396319

Date of registration 04/04/2013

Fully registered medical practitioner with specialist registration with a licence to practice

Previous and other appointments

Consultant Paediatric Gastroenterologist, Norfolk and Norwich University Hospital, Norwich, United Kingdom, September 2022 - present

Consultant Paediatric Gastroenterologist, Royal London Children's Hospital, Barts Health NHS Trust, London, United Kingdom, February 2019 – September 2022

Senior clinical and research fellow in paediatric gastroenterology, Cambridge University Hospitals CUH FT, United Kingdom, June 2013 – January 2019

Awards and Prizes

Godwin-Raffan Prize – Hughes Hall College, University of Cambridge, Clinical School Prize – March 2021

Ralph Noble Prize for best Doctorate Thesis – University of Cambridge – March 2019

CICRA (Crohn's in Childhood Research Association) – Dave Casson Paediatric IBD Research Fellowship (2016 – 2019)
Title: Validation and clinical application of CD8 + T lymphocyte gene expression profile as disease prognostic biomarker in paediatric IBD
Duration: 3 years (01 May 2016 - 01 May 2019)
Academic supervisor: Dr Matthias Zilbauer
Clinical supervisor: Dr Robert Heuschkel

Excellent Teaching Award nominated and awarded by the students of the University of Cambridge Clinical School of Medicine (2 December 2016)
University of Cambridge, NHS Health Education England, ClinSoc Cambridge (Sophie Jackman (President of the Cambridge Clinical School Students Society) and Diana Wood (Dean of the Cambridge Clinical School of Medicine)

IG-IBD International Stage Program (Italian Association for the Study of Inflammatory Bowel Diseases) (€ 10K)
Title: Investigating epigenetic mechanisms and their potential use as disease prognostic biomarkers in IBD.
Duration: 6 months (01 January 2015 - 01 June 2015)
Academic supervisor: Dr Matthias Zilbauer

ESPGHAN International Exchange Program Grant (€ 3K)
Title: Investigating epigenetic mechanisms and their potential use as disease prognostic biomarkers in IBD.
Duration: 3 months (01 October 2014 - 31 December 2014)
Academic supervisor: Dr Matthias Zilbauer

“Mead Johnson Award” assigned for best oral presentation at XIX National Congress of SIGENP (Italian Society of Pediatric Gastroenterology, Hepatology and Nutrition), Parma, Italy, 13 October 2012.
Abstract CO6: Gasparetto M, Pennelli G, Cananzi M, Galuppini F, Pescarin M, Guariso G. Gastric xanthomatosis: a rare finding in the paediatric age.
Presenter: M. Gasparetto.

“D’Albasio Award” assigned for best oral presentation at the 3rd Annual Congress of IG-IBD (Italian Group for the study of IBD), Rome, Italy, 29 November 2008.
Abstract: Guariso G, Gasparetto M, Visonà Dalla Pozza L, D’Inca R, Zancan L, Sturniolo GC, Facchin P. Inflammatory Bowel Disease: a study about the evolution from childhood to adulthood.
Presenter: M. Gasparetto

Publications (Full Papers)

- Gordon M, Sinopoulou V, Tabbers M, Rexwinkel R, de Bruijn C, Dovey T, Gasparetto M, Vanker H, Benninga M. Psychosocial Interventions for the Treatment of Functional Abdominal Pain Disorders in Children: A Systematic Review and Meta-analysis. *JAMA Pediatr*. Published online April 11, 2022. doi:10.1001/jamapediatrics.2022.0313
- Gasparetto M, Burgess N, Naik S, Studart D, Kadir A, Croft N, Sanderson I, Deb P. Advantages of proactive therapeutic drug monitoring in a prospective cohort of children with inflammatory bowel disease treated with anti-TNF. *Jour Ped Gastroenterol Nutr* 2022 (Jan).
- Sinopoulou V, Gordon M, Akobeng AK, Gasparetto M, Sammaan M, Vasiliou J, Dovey TM. Interventions for the management of abdominal pain in Crohn's disease and inflammatory bowel disease. *Cochrane Database of Systematic Reviews* 2021, Issue 11. Art. No.: CD013531. DOI: 10.1002/14651858.CD013531.pub2.
- Robinson PS, Gasparetto M, Novak J, Tél B, Strisciuglio C. Training Opportunities in Data Science Are Welcome in ESPGHAN: A Survey on Behalf of the Special Interest Group for Basic Science and Translational Research. *J Pediatr Gastroenterol Nutr*. 2021 Oct 28. doi: 10.1097/MPG.0000000000003340. PMID: 34724450. Online ahead of print.
- Berger TD, Lee HM, Ramasamy Padmanaban L, Wine E, Yerushalmy-Feler A, Hojsak I, Kazeka D, Serban DE, Yogev D, Ledder O, Lionetti P, Scarallo L, Gasparetto M, Croft NM, Miele E, Staiano A, Meredith J, Aloï M, Alvisi P, Urlep D, Weiss B, Malham M, Matar M, Navas/Lopez VM, Romano C, Dipasquale V, Norsa L, Kohlo K-L, Shamir R, Shouval DS, Paediatric IBD Porton Group of ESPGHAN. Clinical Features and Outcomes of Paediatric Patients with Isolated Colonic Crohn's Disease. *J Pediatr Gastroenterol Nutr* 2021. doi: 10.1097/MPG.0000000000003335. PMID: 34694270.
- Gasparetto M, Strisciuglio C, Assa A, Gerasimidis K, Giachero F, Nowak J, Robinson P, Tél B, Zilbauer M, Jenke A. Making Research Flourish through ESPGHAN: A Position Paper from the ESPGHAN Special Interest Group for Basic and Translational Research. *J Pediatr Gastroenterol Nutr* 2021; DOI: 10.1097/MPG.0000000000003250; PMID 34310437.

- Hensel KO, Kyra E, Hadzic N, Mann J, Mieli-Vergani G, Gasparetto M, Heuschkel R, Noble-Jamieson G, Samyn M. Sclerosing Cholangitis in Pediatric Inflammatory Bowel Disease – Early Diagnosis and Management Affect Clinical Outcome. *The Journal of Pediatrics* 2021; S0022-3476(21):00739-3. DOI: doi.org/10.1016/j.jpeds.2021.07.047
- Orfei M, Gasparetto M, Hensel KH, Zellweger F, Heuschkel R, Zilbauer M. Guidance on the interpretation of faecal calprotectin levels in children. *PLoS One* 2021. PMID: 33571226. DOI: 10.1371/journal.pone.0246091
- Van Rheenen PF, Aloï M, Assa A, Bronsky J, Escher JC, Fagerberg UL, Gasparetto M, Gerasimidis K, Griffiths A, Henderson P, Koletzko S, Kolho K-L, Levine A, Van Limbergen J, Martin de Carpi FJ, Navas-Lopez VM, Oliva S, De Ridder L, Russell RK, Shouval D, Spinelli A, Turner D, Wilson D, Wine E, Ruummele FM. The Medical Management of Paediatric Crohn's Disease: an ECCO-ESPGHAN Guideline Update. *Journal of Crohns and Colitis* 2020: 1-24. DOI: 10.1093/ecco-jcc/jjaa161
- Gasparetto M, Payne F, Nayak K, Kraiczy J, Glemas C, Philip-McKenzie Y, Ross A, Edgar RD, Zerbino DR, Salvestrini C, Torrente F, Ventham NT, Kalla R, Satsangi J, Sarkies P, Heuschkel R, Zilbauer M. Transcription and DNA Methylation patterns of blood derived CD8+ T cells are associated with age and Inflammatory Bowel Disease but do not predict prognosis. *Gastroenterology*. 2020 Aug 16: S0016-5085(20)35056-3. doi: 10.1053/j.gastro.2020.08.017. Online ahead of print. PMID: 32814113.
- Gasparetto M, Wong-Spracklen V, Torrente F, Howell K, Brennan M, Noble-Jamieson G, Heuschkel R, Zilbauer M. Early Treatment Response Predicts Outcome in Paediatric Ulcerative Colitis. *J Pediatr Gastroenterol Nutr*. 2018 Feb 23. doi: 10.1097/MPG.0000000000001941. PMID: 29481442.
- Howell KJ, Kraiczy J, Nayak KM, Gasparetto M, Ross A, Lee C, Mak TN, Koo BK, Kumar N, Lawley T, Sinha A, Rosenstiel P, Heuschkel R, Stegle O, Zilbauer M. DNA Methylation and Transcription Patterns in Intestinal Epithelial Cells from Pediatric Patients with Inflammatory Bowel Diseases Differentiate Disease Subtypes and Associate with Outcome. *Gastroenterology* 2017 Oct 11. pii: S0016-5085(17)36241-8. doi: 10.1053/j.gastro.2017.10.007.
- Guariso G, Gasparetto M. Treating children with inflammatory bowel disease: current and new perspectives. *World J Gastroenterol* 2017; 23(30): 5469-5485. doi: 10.3748/wjg.v23.i30.5469. PMID: 28852307
- Pomerri F, Al Bunni F, Zuliani M, Guariso G, Gasparetto M, Giorgi B, Cananzi M, Muzzio PC. Assessing paediatric ileocolonic Crohn's disease activity based on global MR enterography scores. *Eur Radiol* 2017 Mar;27(3):1044-1051. doi: 10.1007/s00330-016-4443-y. PMID: 27277259
- Kammermeier J, Lucchini G, Pai SY, Worth A, Rampling D, Amrolia P, Silva J, Chiesa R, Rao K, Noble-Jamieson G, Gasparetto M, Ellershaw D, Uhlig H, Sebire N, Elawad M, Notarangelo L, Shah N, Veys P. Stem cell transplantation for tetratricopeptide repeat domain 7A deficiency: long-term follow up. *Blood*. 2016 Jul 14. doi: 10.1182/blood-2016-01-696385. Epub 2016 Jul 14. PMID: 27418642
- Kammermeier J, Dziubak R, Pescarin M, Drury S, Godwin H, Reeve K, Chadokufa S, Huggett B, Sider S, James C, Acton N, Cernat E, Gasparetto M, Noble-Jamieson G, Kiparissi F, Elawad M, Beales PL, Sebire NJ, Gilmour K, Uhlig HH, Bacchelli C, Shah N. Phenotypic and genotypic characterisation of inflammatory bowel disease presenting before the age of two years. *J Crohns Colitis* 2016; doi: 10.1093/ecco-jcc/jjw118. Epub 2016 Jun 14. PMID: 27302973.
- Aloï M, D'Arcangelo G, Bramuzzo M, Gasparetto M, Martinelli M, Alvisi P, Illiceto MT, Valenti S, Distanto M, Pellegrino S, Gatti S, Arrigo S, Civitelli F, Martelossi S; SIGENP IBD Working Group. Effect of early versus late azathioprine therapy in paediatric ulcerative colitis. *Inflamm Bowel Dis* 2016; 22(7): 1647-54. doi: 10.1097/MIB.0000000000000828. PMID: 27271489
- Bramuzzo M, Martelossi S, Torre G, Cardile S, Arrigo S, Vignola S, Ferrari F, Zuin G, Illiceto MT, Gasparetto M, Pellegrino S, Romano C, Maggiore G, Montico M, Aloï M; SIGENP IBD Group. Clinical Features and Risk Factors of Autoimmune Liver Involvement in Pediatric Inflammatory Bowel Disease. *J Pediatr Gastroenterol Nutr*. 2016 Aug;63(2):259-64. doi: 10.1097/MPG.0000000000001078. PMID: 26756875
- Zilbauer M, Zellos A, Heuschkel R, Gasparetto M, Kraiczy J, Postberg J, Greco L, Auricchio R, Galatola M, Embleton N, Wirth S, Jenke A. Epigenetics in Paediatric Gastroenterology, Hepatology, and Nutrition: Present Trends and Future Perspectives. *J Pediatr Gastroenterol Nutr*. 2016 Apr;62(4):521-9. doi: 10.1097/MPG.0000000000001053. Review. PMID: 26628441.
- Gasparetto M, Guariso G, Visona' Dalla Pozza L, Ross A, Heuschkel R, Zilbauer M. Clinical course and outcomes of diagnosing Inflammatory Bowel Disease in children 10 years and under: retrospective cohort study from two tertiary centres in the United Kingdom and in Italy. *BMC Gastroenterol*. 2016;16(1):35. doi: 10.1186/s12876-016-0455-y. PMID: 26976427
- Kraiczy J, Nayak K, Ross A, Raine T, Mak TN, Gasparetto M, Cario E, Rakyan V, Heuschkel R, Zilbauer M. Assessing DNA methylation in the developing human intestinal epithelium - potential link to Inflammatory Bowel Disease. *Mucosal*

Immunol 2015, Sep 16. doi: 10.1038/mi.2015.88. Epub 2015 Sep 16. PMID: 26376367.

•Gasparetto M, Angriman I, Guariso G. The multidisciplinary health care team in the management of stenosis in Crohn's disease. *J Multidiscip Healthc* 2015; 8: 167-79. doi: 10.2147/JMDH.S38729. eCollection 2015. PMID: 25878504

•Gasparetto M, Guariso G. Crohn's disease and growth deficiency in children and adolescents. *WJG 20th Anniversary Special Issues (3): Inflammatory bowel disease. World J Gastroenterol* 2014; 20(37): 13219-13233. doi: 10.3748/wjg.v20.i37.13219. PMID: 25309059

¥Gasparetto M, Zilbauer M. Paediatric Inflammatory Bowel Diseases – brief update on current practice and future perspectives. *Paediatrics and Child Health* 01/2014.

•Guariso G, Gasparetto M, Day AS, Henderson P. Epidemiology and natural History of IBD in the Paediatric Age. *Gastroenterol Res Pract* 2014. doi: 10.1155/2014/432807. PMID: 25006336.

•Aloi M, Lionetti P, Barabino A, Guariso G, Costa S, Fontana M, Romano C, Lombardi G, Miele E, Alvisi P, Diaferia P, Baldi M, Romagnoli V, Gasparetto M, Di Paola M, Muraca M, Pellegrino S, Cucchiara S, Martelossi S; on behalf of SIGENP IBD Group. Phenotype and Disease Course of Early-onset Pediatric Inflammatory Bowel Disease. *Inflamm Bowel Dis* 2014; 20(4):597-605. doi: 10.1097/01.MIB.0000442921.77945.09. PMID: 24569242.

•Gasparetto M, Guariso G. Highlights in IBD Epidemiology and Its Natural History in the Paediatric Age. *Gastroenterol Res Pract* 2013; 2013:829040. 1-12. doi: 10.1155/2013/829040. Epub 2013 Dec 24. Review. PMID: 24454343

•Aita A, Rossi E, Basso D, Guariso G, Bozzato D, Pelloso M, Pescarin M, Zambon CF, Navaglia F, Greco E, Gasparetto M, Fogar P, Padoan A, Moz S, Plebani M. Chemiluminescence and ELISA-based serum assays for diagnosing and monitoring celiac disease in children: A comparative study. *Clin Chim Acta* 2013; 421C:202-207. doi: 10.1016/j.cca.2013.03.024. PMID: 23542610.

¥Book Chapter: Gasparetto M, Guariso G. Peculiarities of Paediatric Digestive Endoscopy. In: *Endoscopy of GI Tract*. Editor: Somchai Amornytin. Publisher: Intech, March 2013. Chapter 13; Pag 267-310. ISBN 978-953-51-1034-7; doi 10.5772/52523.

•Gasparetto M, Giordano L, Cananzi M, Beltrame V, Bisogno G and Guariso G. Conservative treatment for cystic duct stenosis in a child. *Case Reports in Hepatology* 2013; ID 146261; doi: 10.1155/2013/146261. PMID: 25374714

•Passarella G, Trifirò G, Gasparetto M, Svaluto Moreolo G, Milanese O. Disorders in glucidic metabolism and congenital heart diseases: detection and prevention. *Pediatr Cardiol* 2013; 34(4):931-7. doi: 10.1007/s00246-012-0577-0. PMID: 23229289.

¥Gasparetto M, Guariso G. Update on Peptic Ulcers in the Pediatric Age. *Ulcers* 2012; doi: 10.1155/2012/896509.

Gasparetto M, Giorgi B, Kleon W, Al Bunni F, Guariso G. Colonic Perforation in a Child with Crohn's Disease: Successful Medical Treatment Rescues from Colectomy. *Case Reports in Gastrointestinal Medicine* 2012. doi: 10.1155/2012/152414. PMID: 23056965

Gasparetto M, Pescarin M, Guariso G. Helicobacter pylori Eradication Therapy: Current Availabilities. *ISRN Gastroenterology* 2012. doi: 10.5402/2012/186734. PMID: 22900197

¥Gasparetto M, Corradin S, Vallortigara F, Cananzi M, Guariso G. Infliximab and pediatric stricturing Crohn's disease: a possible alternative to surgery? Experience of seven cases. *Acta Gastroenterologica Belgica* 2012 Mar; 75(1): 58-60. PMID: 22567750.

¥Book Chapter: Gasparetto M, Guariso G. Endoscopy in Paediatric Inflammatory Bowel Disease (IBD). In: *Gastrointestinal Endoscopy*. Edited by Oliviu Pascu, Publisher: Intech, November 2011. Chapter 17; Pag 237-252. ISBN 978-953-307-385-9.

¥Basso D, Guariso G, Bozzato D, Rossi E, Pescarin M, Fogar P, Moz S, Navaglia F, Pelloso M, Gasparetto M, Zambon CF, Padoan A, Greco E, Ruggie M, Plebani M. New screening tests enrich anti-transglutaminase results and support a highly sensitive two-test based strategy for celiac disease diagnosis. *Clinical Chemical Acta* 2011; 17;412(17-18):1662-7. doi: 10.1016/j.cca.2011.05.024. PMID: 21640087

¥Guariso G, Gasparetto M, Visonà Dalla Pozza L, D'Inca R, Zancan L, Sturniolo GC, Brotto F, Facchin P. Inflammatory Bowel Disease developing in paediatric and adult age: a single-centre comparative study. *Journal of Paediatr Gastroenterol Nutr* 2010; 51 (6): 698-707. doi: 10.1097/MPG.0b013e3181da1db8. PMID: 20639778