

Dermot P.B. McGovern MD, D. Phil.(Oxon), F.R.C.P.(Lon)

Curriculum Vitae – October 2018

- Contact Information:** F. Widjaja Foundation Inflammatory Bowel and Immunobiology Research Institute, Cedars-Sinai Medical Center, 8730 Alden Drive, Suite 2E, Los Angeles, CA 90048
Office Tel: (001) 310 423 3550 mcgovernd@cshs.org
- Current Positions**
- Director for Precision Health at Cedars-Sinai – **2015 – present**
- Lead for Personalized Medicine in IBD - Cedars-Sinai: **2011– 2015**
- Co-Director of ‘3D’ – Drug Discovery and Development Unit - Cedars-Sinai: **2012 – Present**
- Chief Scientific Officer and co-founder Precision IBD Inc: **2017 - Present**
- Director of Translational Medicine, Translational Genomics Group, F. Widjaja Foundation Inflammatory Bowel and Immunobiology Research Institute, Cedars-Sinai Medical Center, Los Angeles: **2007 - Present**
- Professor of Medicine, Cedars-Sinai Medical Center, **2012 – Present**
- Professor of Medicine in Residence (**Step 3 effective July 1st 2018**), David Geffen School of Medicine, University of California in Los Angeles (UCLA)
- The Joshua and Lisa Greer Endowed Professor of IBD Genetics: **2012 – Present**
- Co-Director of Gastroenterology and Inflammation Core, Member of Core Curriculum Committee for Cedars-Sinai, PhD. Program in Translational Medicine: **2011 – Present**
- Co-Director Inflammatory Bowel MIRIAD Biobank: **2009 – Present**
- Education:** St. Mary's Hospital Medical School, Imperial College, University of London, **1988 – 1993. M.B.B.S. (MD degree)**
- D. Phil., (PhD)** University of Oxford, UK. **March 2007.** Thesis; ‘The effect of genetic variants on the susceptibility to, and natural history in IBD.’ Supervisors: Professors Derek Jewell, Lon Cardon, and Bill Cookson
- Member of the Royal College of Physicians of London (**M.R.C.P.**); Exams: Part I - **October 1995**, Part II - **May 1996**

Certification of Completion of Specialist Training (CCT) - The Postgraduate Medical Education and Training Board (PMETB), UK, in Gastroenterology and Internal Medicine – **November 2006**

University of Oxford, Program in Evidence Based Healthcare, Postgraduate Certificate, **1997-1998.**

Licensure/Board Certification:

California, SPF000014, 2008. Medical Board of California – Special Faculty Permit to Practice Medicine, **2008 – Present**

UK GMC Registration – voluntarily suspended without prejudice on moving to USA - 2007

HONORS AND SPECIAL AWARDS:

- NHS Executive, Research and Development Directorate, Research Methods Bursary, **May 1997**
- British Society of Gastroenterology, South-West Division, Best Research Presentation, **June 2000**
- British Society of Gastroenterology, South-West Division, Traveling Fellowship, **June 2000**
- Falk Symposium. Immunosuppression in IBD, Current management and future trends. Research Poster Prize, **Sept. 2000**
- Medical Research Council, UK. Clinical Training Research Fellowship, **October 2001-2003**
- EPA Cephalosporin Junior Research Fellowship, Linacre College, University of Oxford, **Oct 2002**
- International Organization for the Study of Inflammatory Bowel Disease. Grant for genetic studies in IBD - **March 2003.**
- Falk Symposium. Inflammatory Bowel Disease – Bench to Bedside. Poster Prize, **May 2003**
- DDF/Belmont Trust, Grant for Research into any aspect of Ulcerative Colitis. **November 2003**
- H.E.F.C.E. Senior Clinical Lectureship, Imperial College and The Hammersmith Hospital, London. Awarded **May 2006**
- Elected Fellow of The Royal College of Physicians of London (FRCP) – **May 2011**
- The first Joshua L and Lisa Z Greer Endowed Chair in IBD Genetics – Cedars-Sinai Medical Center - **November 2011**
- Elected to American Society of Clinical Investigation – **April 2014**
- Elected to International Organization for the study of IBD (IOIBD) – **December 2014**

Professional Activities:

MEDICAL SOCIETIES:

American Society for Clinical Investigation

Royal College of Physicians of London

International Organization for the study of IBD (IOIBD)

American Gastroenterology Association:

- Member – **2009 – Present**
- Councilor for Immunology, Microbiology and IBD –**2013 – Present**

The Crohn's and Colitis Foundation of America (CCFA)

- Los Angeles Chapter Medical Advisory Committee: Member – **2007 – Present and Co-chair and Board Member – 2015 – Present**
- National Public Educational Committee - **2008 – 2012**
- Career Development Awards Grants Review Committee - **2009 – Present**
- Co-chair, Initiatives/Challenges Committee – **2012 – 2015**
- Co-chair Grants Council – **2015 - Present**
- Chair Pfizer CTSI/CCFA Drug development committee –**2014 - Present**
- National Scientific Advisory Committee Member - **2012 – Present**
- CCFA IBD Exchange Oversight Committee – **2012 – 2014**
- Founding member of 'Team Hope' – Sonoma Half Marathon – **2011**
- Team LA/OC – Team Challenge triathlon – San Diego - **2014**

British Society of Gastroenterology – 2002– 2007

American Society of Human Genetics – 2010- Present

CONSORTIA:

National Institute of Diabetes, Digestive and Kidney Diseases (NIDDK) IBD Genetics Consortium.

- P.I. of Cedars-Sinai Genetics Research Center. **2008 - Present.**
- Steering Committee. **2007 - Present**
- Co-chair Ancillary R01 Review Committee. **2012 - Present**
- Co-chair Phenotype Committee. **2008 – 2011**
- Lead for Phenotype studies **2012 – Present**

International IBD Genetics Consortium

- Management Committee. **2010 – Present**
- Co-chair of Phenotype Committee. **2010 - 2014**

The Sinai Helmsley Alliance for Research Excellence (SHARE) - a systems biology-based multicenter program for integrated studies in IBD (University of Chicago; Mount Sinai Hospital, New York; Mayo Clinic, Rochester; Washington University, St Louis; University of North Carolina; and Massachusetts General Hospital).

- Executive Committee –**2012 - Present**
- P.I. of Cedars-Sinai and Steering Committee - **2010 – Present**

CCFA Microbiome Initiative:

- Co-Investigator. **2010 - Present**
- Management Committee. **2010 – Present**

Human Microbiome Project 2

- Co-investigator. **2013 - Present**
- Steering committee for IBD Program. **2013 – Present**

Very Early Onset IBD (VEOIBD) Consortium

- Co-Investigator
- PI for Cedars-Sinai Group and Co-PI for Genetics Group. **2014-Present**

ADVISORY BOARDS:

The Leona M. and Harry B. Helmsley Charitable Trust

- Advisory Board Member. **2014 – 2017**

23andMe, UCB, Ironwood, Ferring, Prometheus, Eli-Lilly, Genentech, Merck, Novo Nordisk, Janssen and Jansen, Ferring, UCB, Amgen, Cidara, and Abbvie: **2009 - Present**

JOURNAL POSITIONS:

Medical Editor ‘NACC News’. The National Association of Colitis and Crohn’s of Great Britain Newsletter: **2007**

Section Editor – Genetics and Epidemiology, *The Journal of Crohn’s and Colitis* (2008 - 2011) and Genetics, *The IBD Journal*: 2008-2010 and 2015 - Present

Editorial board - *The World Journal of Gastroenterology* (current) and *The World Journal of GI Pathophysiology*: 2012 – Present

Peer Review:

The Broad Medical Foundation (**2005 – 2012**), Gut (**2005 – Present**), The Medical Research Council (UK) (**2006 - Present**), Alimentary Pharmacology and Therapeutics (**2006-2008**), The Scottish Office (**2007**), The Inflammatory Bowel Diseases Journal (**2007 – Present**), The Journal of Leucocyte Biology (**2008**), NIH ‘Challenge’ Grants (**2008**), The American Journal of Gastroenterology (**2008 –Present**), Clinical Gastroenterology and Hepatology (**2008 – Present**), CCFA National Scientific Advisory Committee’s Career Development Awards. (**2009 – Present**), Gastroenterology (**2009 – Present**), ‘Ad hoc’ member of NIH CIMG Study Section (**2010-2011**), Abstract Reviewer for Asia-Pacific Digestive Diseases Week(**2011**), Abstract Reviewer for Digestive Diseases Week. (**2012, 2013, 2014**), National Center for Advancing Translational Sciences (NCATS) Pilot Program (**2012-13**) , Abstract Reviewer for CCFA Advances in IBD Meeting. (**2013**), The Helmsley Charitable Trust (**2013-Present**), The Lancet (**2014**), and Pfizer CTSI/CCFA Drug development committee (**2014-18**).

SYMPOSIUM ORGANIZATION:

Postgraduate Gastroenterology Course, John Radcliffe Hospital, Oxford. Co-organizer **2002/3**

CCFA - Advances in IBD. Basic Science Program, Co-organizer – **2013**

CCFA – Patient Education Day, co-Director – **2015**

GUT Microbiome – co-Director, Huntington Beach California – **2015, 2016**

RESEARCH GRANTS

Active

1. U01 DK062413 (McGovern, PI) 9/1/2017-8/31/2022
NIH/NIDDK 2.4 person months (20%)
Title: Genetic and genomic approaches to better understand the clinical heterogeneity in inflammatory bowel disease
2. DK046763 (P01) (McGovern, PI) 9/1/2016-8/31/2021
NIH/NIDDK 1.20 person months (10%)
IBD: Genetic and immunopathologic mechanisms program project
Project 1: Using polygenic scores to enhance both variant discovery, and understanding of functional consequences of genetic variation in IBD
3. DK046763 (P01) (Targan, PI) 9/1/2016-8/31/2021
NIH/NIDDK 1.20 person months (10%)
IBD: Genetic and immunopathologic mechanisms program project
Core B: Tissue procurement, repository, distribution, data management and biostatistics (Targan, PI; McGovern, Co-Director)
4. SHARE project 8 (McGovern, PI) 1/1/2018 – 6/30/2019
Helmsley Charitable Trust 0.6 person months (5%)
Title: Genetic, serologic and clinical factors associated with ‘rare’ IBD Phenotypes
5. SHARE project 5 (Stappenbeck, PI) 1/1/2018-6/30/2019
Helmsley Charitable Trust 0.6 person months (5%)
Title: Defining the Causes and Consequences of Changes in Paneth Cell Morphology in Crohn's Disease
CO-PI
6. 5R01MH100556 (Mazmanian, PI) 9/1/2017-8/31/2020
NIH 0.24 person months (2%)
Title: Protection from Mucosal Pathology by Gut Microbiota during experimental colitis
CO-I
7. CS-CTSI, UL1TR001881 7/1/2016-5/31/2021
NCATS-UCLA 0.12 person months (1%)
Title: National center for advancing translational sciences-precision medicine program
Co-Leader

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| 8. | Litwin IBD Pioneers Program (McGovern, PI)
Crohn's and Colitis Foundation
Title: Characterization of brain white matter abnormalities in patients with Inflammatory Bowel disease | 7/1/2018-6/30/2019
0.36 person months (3%) |
| 9. | VEO-IBD (McGovern, PI)
Helmsley Charitable Trust
Title: VEOIBD-gene discovery to clinical utility and relevance of the findings to adult populations | 08/01/2018-07/31/2021
0.36 person months (3%) |
| 10. | NIH/NIDDK U01 DK062413 supplemental (McGovern,PI)
Predicting risk of intestinal fibrostenosis using multi-OMICS data for the Development of Non-Invasive Biomarkers for Stricturing Crohn's Disease | 9/1/2018-7/31/2019 |

Invited Lectures and Presentations International

1. XI Barcelona course in IBD. Pharmacogenetics in IBD. Feb 2004
2. XII Barcelona course in IBD. The role of genetics in IBD susceptibility and disease behavior. Feb 2005
3. 'The Genetics of IBD.' The Sri Lankan Gastroenterology Society, Colombo, Sri Lanka 2006
4. 'Biological therapies in IBD.' Andalusian Society of Inflammatory Bowel Disease. Cordoba, Spain. June 2006
5. 'Who gets severe colitis?' European Colitis and Crohn's Organization. Innsbruck 2007
6. State of the art lecture – 'Earlier use of disease modifying drugs. From clinical trials to daily practice.' IV Encuentro medico-Oquirurgico en Enfermedad Inflamatoria Intestinal. Madrid, Spain. January 2007
7. 'Safety aspects of biological and immunomodulatory drug therapy in IBD.' Spanish Society of Gastroenterology. Madrid, Spain. March 2007
8. Ceylon College of Physicians – Colombo, Sri Lanka- 'IBD Genetics', Sept. 2009
9. GastroHep2010 – 'Genetics of IBD' and 'Biomarkers in IBD'. Singapore, June 2010
10. 'Pharmacogenetics and prediction of therapy success' in 'Revisiting IBD Management: Dogmas to be challenged.' September 2011. Brussels
11. 'Serological and Molecular marker-guided therapy: standard for the near future?' Asia-Pacific Digestive Diseases Week. October 2011. Singapore
12. Plenary Lecture at 22nd KOGO Annual Conference 2013 (Korean Genome Organization). Seoul, Korea. September 2013

13. Plenary Lecture. Japan & US Collaboration Conference in Gastroenterology (JUCC). Tokyo. November 2013
14. IBD Genetics – the path to personalized medicine? - International Genetics of Ankylosing Spondylitis Consortium (IGAS) meeting – Shanghai, China. April 2014
15. ‘Genotype x Phenotype in IBD.’ 3rd International Klaus Betke Symposium. Munich, Germany. March 2017.
16. ‘Genetic and Epigenetic Alterations in IBD.’ Asian Organization for Crohn’s and Colitis. Seoul, Korea. June 2017
17. ‘New Advances for Biological Therapies in IBD.’ Asian Organization for Crohn’s and Colitis. Seoul, Korea. June 2017
18. ‘Predicting non-response to anti-TNF therapy in IBD’ – IBD Excellence Academy Singapore – July 2018

National

1. Oxford Postgraduate Gastroenterology Symposium– ‘Azathioprine therapy in IBD’. Sept. 2003
2. British Society of Gastroenterology – ‘To TPMT or not to TPMT’. Birmingham, March, 2005
3. Falk Symposium 147. Colitis: Diagnosis and Therapeutic strategies. ‘Predicting colectomy in ulcerative colitis’. Birmingham, May, 2005
4. Oxford Masterclass in IBD – ‘Genetics of IBD, an update’ – August 2005
5. ‘Biomarkers in IBD’. Imperial College, London, UK. April 2007
6. Gastroenterology and Hepatology Impact. CME Meeting – (Organized by Rush University, Chicago). Laguna, California, December 2007
7. The Grand Round – ‘Modern Management of Crohn’s disease’. Tucson Medical Center, Arizona. January 2008
8. Gastroenterology and Hepatology Impact .CME Meeting – (Organized by Rush University, Chicago). Fort Lauderdale, Florida, March 2008.
9. Gastroenterology and Hepatology Symposium. University of California, Irvine – ‘Biologics: Present and Future’. September 2008
10. Gastroenterology and Hepatology Impact. CME Meeting – (Organized by Rush University, Chicago). Laguna, California, October 2008
11. “Crohn’s Disease: Understanding the Etiology and the Treatment”.- CME Workshop. Yale University. “Practical use of Biomarkers in IBD”. April 2009

12. Gastroenterology and Hepatology Impact. CME Meeting – (Organized by Rush University, Chicago). Los Angeles, California, October 2009
13. Gastroenterology and Hepatology Impact .CME Meeting – (Organized by Rush University, Chicago). Newport beach, California, March 2010.
14. Seminars in Gastroenterology, NYU, New York. ‘Biomarkers in IBD’. April 2010
15. Gastroenterology and Hepatology Impact. CME Meeting – (Organized by Rush University, Chicago). Laguna, California, May 2010
16. ‘Genetics and the Microbiome in IBD.’ New Advances in Inflammatory Bowel Disease – La Jolla, California, September 2010.
17. Outpatient Gastroenterology and Hepatology Program for GI fellows and Mid-level Practitioners. ‘Biologics in IBD: A Primer’. UC Irvine September 2010
18. ‘IBD Genetics’ - Englert Lecture Medical Grand Rounds at University of Utah April 7th 2011
19. ‘Diagnosing and Monitoring IBD in 2011: Making Sense of Non-invasive Testing.’ ACG 2011 Postgraduate Course. October 29-30 2011, Washington.
20. ‘IBD: diagnosis, severity, dysplasia: where are we with genomics, proteomics, metabolomics?’ at American Society of Colon and Rectal Surgeons Annual Meeting 2011. Vancouver, May 2011.
21. Chair Session: Evidence-based Management of Severe Inpatient Ulcerative Colitis Session Type: Clinical Symposium: Digestive Diseases Week, May, 2011
22. ‘The lost art of cyclosporine’ in Evidence-based Management of Severe Inpatient Ulcerative Colitis Session Type: Digestive Diseases Week, May, 2011
23. ‘Genetics of IBD’ -Virginia Mason’s Digestive Disease Institute, Seattle, May 2012
24. ‘IBD Genetics’ - CCFA Advances – December 2012
25. American College of Rheumatology - The Link Between Inflammation in the Joint and the Gut - Spondyloarthropathies: Common Mechanisms with IBD – October 2013
26. ‘The role of genetic variation in the extra-intestinal manifestations of IBD’ - CCFA Advances – December 2013
27. ‘Towards Personalized Medicine in IBD’ – UC Riverside – January 2014
28. ‘Completing the circle – taking genetic findings back to the patient’ – CCFA Genetics Workshop – San Diego – February 2014.
29. ‘Evolving therapeutic strategies in IBD’ and ‘Translating IBD Genetics to IBD Practice’ at the 32nd Annual Frontiers of Rheumatology- Los Angeles – April 2014

30. IBD in 2014: Practical Case-Based Management Strategies for the Primary Care Clinician – Anaheim, California - May 2014
31. ‘IBD Pathophysiology – what’s new?’ and ‘The path to personalized medicine in IBD’- Rocky Mountain IBD Course – March 2015
32. ‘Precision Medicine in IBD’ – University of Oregon – June 2015
33. ‘Microbiome and IBD’ - in GUT Microbiome – September 2015
34. ‘Role of emerging therapies in IBD: Where will they belong in our algorithms?’ and ‘Bench to bedside top 10: What did we learn about IBD research and upcoming therapies from DDW 2017’ – Mastering Clinical Challenges and Emerging Therapies in IBD – Chicago – July 2017
35. ‘Getting from Genotype to Phenotype in Inflammatory Bowel Disease’ – Spondylitis Association of America Spondyloarthritis 2017: Unmet Needs Conference III – Bethesda – September 2017
36. ‘Towards Personalized Care in IBD’ – Mayo Clinic – September 2017
37. ‘Medical Advances and Optimal Treatment Approaches for Inflammatory Bowel Disease’ – 11th Annual Medical Director/Physician Leadership Forum – Las Vegas – November 2017
38. ‘Is complicated Crohn’s disease genetically determined’ – CCFA and AGA Inaugural IBD Meeting – January 2018
39. ‘Towards Personalized Care in IBD’ – ImmunoTx Summit – February 2018
40. ‘Precision Health and IBD’ – Cleveland Clinic – March 2018
41. ‘Ileitis and all that. The Ginzburg and Oppenheimer Annual Lecture’ – Mt Sinai New York – March 2018

Teaching Activities:

Teaching medical students, residents, and fellows from UCLA in clinic and in-patient service. **2009 - Present**

Co-Director of Gastroenterology and Inflammation Core, and Member of Core Curriculum Committee for The Cedars-Sinai, Ph D. Program in Translational Medicine **2011 – Present**

Supervised IBD Advanced Fellow in Translational Research:

2010 – Mark Gerich – Now Faculty at University of Denver

2011 – Nir Modiano – Now Faculty at Oregon University

2012 – Sasha Taleban – Now on Faculty at Arizona State University

2013 – Nancy Fu. Yoichi Kakuta – now on faculty at Tohoku University, Japan

2014 – Gati Goel – Supervisor on UCLA Training T32 Grant - Now Faculty at Loma Linda University

2015 – Bradley Morganstern, Minh Nguyen, Sultan Chhina

2016 – Byong Duk Ye – Associate Professor, Asan Medical Center Korea

2018 – Takeo Naito – Visiting Post-doc from Tohoku University, Japan

Currently supervise –Associate Professor (Zhenqiu Liu); Research Scientist II (Dalin Li); Research Scientist II (Talin Haritunians); Biostatistician III (Shishir Dube). 1 Grad student. 6 study coordinators. 3 lab technicians. 1 research intern

Visiting Professorships:

University of Chicago, **January 2009**.
Wuhan University, Wuhan, China, **Sept 2009**.
University of Denver GI & Genetics Depts, **April 2010**.
University of North Carolina, **September 2011**.
University of Singapore, **October 2011**.
University of California Riverside, **March 2013**.
Stanford University, **December 2014**.
University of Oregon, **June 2015**
Mayo Clinic, **September 2017**
Cleveland Clinic, **March 2018**
Mount Sinai New York, **March 2018**

Publications / Bibliographies:

A. Original Research Papers – Peer-Reviewed (in chronological order):

1. Van Heel DA, **McGovern DP**, Jewell DP. Crohn's disease: genetic susceptibility, bacteria, and innate immunity. *Lancet*. 2001;357(9272):1902-4. doi: 10.1016/S0140-6736(00)05091-1. PMID: 11425408.
2. Travis SP, Czajkowski M, **McGovern DP**, Watson RG, Bell AL. Treatment of intestinal Behçet's syndrome with chimeric tumour necrosis factor alpha antibody. *Gut*. 2001;49(5):725-8. PMID: 11600479; PMCID: PMC1728519
3. **McGovern DP**, van Heel DA, Ahmad T, Jewell DP. NOD2 (CARD15), the first susceptibility gene for Crohn's disease. *Gut*. 2001;49(6):752-4. PMID: 11709505; PMCID: PMC1728539.
4. **McGovern DP**, Travis SP, Duley J, Shobowale-Bakre el M, Dalton HR. Azathioprine intolerance in patients with IBD may be imidazole-related and is independent of TPMT activity. *Gastroenterology*. 2002 Mar;122(3):838-9. PMID: 11878296
5. Fraser A, Morton D, **McGovern D**, Travis S, Jewell D. The efficacy of methotrexate for maintaining remission in inflammatory bowel disease. *Alim Phar Ther*. 2002 Apr;16(4):693-7. PMID: 11929386
6. Van Heel DA, Udlova IA, De Silva AP, **McGovern DP**, Kinouchi Y, Hull J, Lench NJ, cardon LR, Carey AH, Jewell DP, Kwiatkowski D. Inflammatory Bowel Disease is associated with a TNF polymorphism that affects an interaction between the OCT1 and NK-kappaB transcription factors. *Hum Mol Genet*. 2002 May 15;11(11):1281-9. PMID: 12019209
7. Crane AM, Bradbury L, van Heel DA, **McGovern DP**, Brophy S, Rubin L, Siminovitch KA, Wordsworth BP, Calin A, Brown MA. Role of NOD2 variants in spondylarthritis. *Arthritis and Rheumatism*. 2002 Jun;46(6):1629-33. doi: 10.1002/art.10329. PMID: 12115195

8. Mitchell J, Hussaini SH, **McGovern DP**, Farrow R, Maskell G, Dalton HR. The Jaundice Hotline: a one-stop approach to the jaundiced patient. *BMJ*. 2002 Jul 27;325(7537):213-5. PMID: 12142314, PMCID: PMC1123727
9. van Heel DA, **McGovern DP**, Cardon LR, Dechairo BM, Lench NJ, Carey AH, Jewell DP. Fine mapping of the IBD1 locus did not identify Crohn disease associated NOD2 variants: implications for complex disease genetics. *Am J of Med Gen*. 2002 Aug 15;111(3):253-9. doi: 10.1002/ajmg.10588. PMID: 12210321
10. Negoro K, **McGovern DP**, Kinouchi Y, Takahashi S, Lench NJ, Shimosegawa T, Carey A, Cardon LR, Jewell DP, van Heel DA. Analysis of the IBD5 locus and potential gene-gene interactions in Crohn's disease. *Gut*. 2003;52(4):541-6. PMID: 12631666; PMCID: PMC1773608.
11. van Heel D, Dechairo B, Dawson G, **McGovern D**, Negoro K, Carey A, Cardon L, Mackay I, Jewell D, Lench N. The IBD6 Crohn's disease locus demonstrates complex interactions with CARD15 and IBD5 disease associated variants. *Hum Mol Gen*. 2003 Oct 15;12(20):2569-75. doi: 10.1093/hmg/ddg281. PMID:12928481
12. **McGovern DP**, van Heel DA, Negoro K, Ahmad T, Jewell DP. Further evidence of IBD5/NOD2 (CARD15) epistasis in the susceptibility to Ulcerative Colitis. *Am J Hum Gen*. 2003 Dec; 73(6):1465-6. doi: 10.1086/379745. PMID: 14655097, PMCID: PMC1180410 **PRIMARY AND CORRESPONDING AUTHOR**
13. van Heel DA, Fisher SA, Kirby A, Daly MJ, Rioux JD, Lewis CM; Genome Scan Meta-Analysis Group of the IBD International Genetics Consortium. Listed in paper as contributor as a member of the 'The Genome Scan Meta-analysis Group of the International IBD Genetics Consortium'. Inflammatory bowel disease susceptibility loci defined by genome scan meta-analysis of 1952 affected relative pairs. *Hum Mol Genet*. 2004 Apr 1;13(7):763-70. PMID: 14976156
14. Pierik M, Yang H, Barmada MM, Cavanaugh JA, Annese V, Brant SR, Cho JH, Duerr RH, Hugot JP, **McGovern DP**, Paavola-Sakki P, Radford-Smith GL, Pavli P, Silverberg MS, Schreiber S, Taylor KD, Vlietinck R; IBD International Genetics Consortium. The IBD international genetics consortium provides further evidence for linkage to IBD4 and shows gene environment interaction. *Inflam Bowel Dis*. 2005 Jan;11(1):1-7. PMID: 15674107
15. Hunt K, **McGovern D**, Kumar P, Ghosh S, Travis S, Walters J, Jewell D, Playford R, van Heel D. A common CTLA4 haplotype associated with celiac disease. *Eur J Hum Genet*. 2005Apr;13(4):440-4. doi: 10.1038/sj.ejhg.5201357. PMID: 15657618
16. **McGovern DP**, Hysi P, Ahmad T, van Heel DA, Moffatt MF, Carey A, Cookson WO, Jewell DP. A complex insertion/deletion polymorphism in NOD1(CARD4) is associated with susceptibility to inflammatory bowel disease. *Hum Mol Genetics*. 2005 May 15;14(10):1245-50. doi: 10.1093/hmg/ddi135. PMID: 15790594 **PRIMARY AND CORRESPONDING AUTHOR**
17. van Heel DA, Ghosh S, Butler M, Hunt KA, Lundberg AM, Ahmad T, **McGovern DP**, Onnie C, Negoro K, Goldthorpe S, Foxwell BM, Mathew CG, Forbes A, Jewell DP, Playford RJ. Muramyl dipeptide and toll-like receptor sensitivity in NOD2-associated Crohn's disease. *Lancet*. 2005 May;365(9473):1794-6. doi: 10.1016/S0140-6736(05)66582-8. PMID: 15910952

18. Yamazaki K, **McGovern D**, Ragoussis J, Paolucci M, Butler H, Jewell D, Cardon L, Takazoe M, Tanaka T, Ichimori T, Saito S, Sekine A, Iida A, Takahashi A, Tsunoda T, Lathrop M, Nakamura Y. Single nucleotide polymorphisms in TNFSF15 confer susceptibility to Crohn's disease. *Hum Mol Genet.* 2005;14(22):3499-506. doi: 10.1093/hmg/ddi379. PMID: 16221758.
19. **McGovern DP**, Butler H, Ahmad T, Paolucci M, van Heel DA, Negoro K, Hysi P, Ragoussis J, Travis SP, Cardon LR, Jewell DP. TUCAN (CARD8) genetic variants and inflammatory bowel disease. *Gastroenterology.* 2006 Oct; 131(4):1190-6. doi: 10.1053/j.gastro.2006.08.008. PMID: 17030188
PRIMARY AND CORRESPONDING AUTHOR
20. Taylor KD, Targan SR, Mei L, Ippoliti AF, **McGovern D**, Mengesha E, King L, Rotter JI. IL23 Haplotypes provide a large population attributable risk for Crohn's Disease. *IBD Journal.* 2008 Sep; 14(9):1185-91. doi: 10.1002/ibd.20478. PMID: 18470928, PMCID: PMC2574614
21. Takedatsu H, Taylor KD, Mei L, **McGovern DP**, Landers CJ, Gonsky R, Cong Y, Vasiliaskas EA, Ippoliti A, Elson CO, Rotter JI, Targan SR. Linkage of CD-related serological phenotypes: NFKB1 haplotypes are associated with anti-CBir1 & ASCA, and show reduced NF-kB activation. *GUT.* 2009 Jan, 58(1):60-7. doi: 10.1136/gut.2008.156422. PMID: 18832525, PMCID: PMC3065207
22. **McGovern DP**, Taylor KD, Landers C, Derkowski C, Dutridge D, Dubinsky M, Ippoliti A, Vasiliaskas E, Mei L, Mengesha E, King L, Pressman S, Targan SR, Rotter JI. MAGI2 genetic variation and inflammatory bowel disease. *IBD Journal.* 2009 Jan; 15(1):75-83. doi: 10.1002/ibd.20611. PMID: 18720471, PMCID: PMC2614310 **PRIMARY AND CORRESPONDING AUTHOR**
23. Silverberg MS, Cho JH, Rioux JD, **McGovern DP**, Wu J, Annesse V, Achkar JP, Goyette P, Scott R, Xu W, Barmada MM, Klei L, Daly MJ, Abraham C, Bayless TM, Bossa F, Griffiths AM, Ippoliti AF, Lahaie RG, Latiano A, Paré P, Proctor DD, Regueiro MD, Steinhart AH, Targan SR, Schumm LP, Kistner EO, Lee AT, Gregersen PK, Rotter JI, Brant SR, Taylor KD, Roeder K, Duerr RH. Ulcerative colitis loci on chromosomes 1p36 and 12q15 identified by genome-wide association study. *Nature Genetics.* 2009 Feb; 41(2):216-20. doi: 10.1038/ng.275. PMID: 19122664, PMCID: PMC2652837
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