

Number	Principal Applicant	Institution	Title	Award Year	Publication	Impact	Subject
1	DR Cave	St. George's Hospital	Investigating the possibility that Crohn's disease could be a transmissible condition (Core's first research grant)	1974-6	<p>- Induction of granulomas in mice by Crohn's disease tissue. Cave DR, Mitchell DN, Brooke BN, Gastroenterology. 1978 Oct;75(4):632-7.</p> <p>- Place of azathioprine for Crohn's disease. Brooke BN, Cave DR, King DW Lancet. 1976 May 15;1(7968):1041-2.</p>	Influential study showing transmissibility of granuloma-inducing agent into mice from Crohn's tissue but even greater impact from Dr Cave's input into concurrent pioneering studies of azathioprine in Crohn's disease (with Prof Brian Brooke)	IBD
2	GH Scullard	King's College Hospital	Chronic hepatitis in renal dialysis patients after kidney transplantation. Studies in the detection and elucidation of the underlying immunological defect.	1976-8	Effects of immunosuppressive therapy on viral markers in chronic active hepatitis B. Scullard GH, Smith CI, Merigan TC, Robinson WS, Gregory PB. Gastroenterology. 1981 Dec;81(6):987-91.	Key study showing that immunosuppression is not good therapy for chronic viral hepatitis	Liver
3	RW Nicholson	Manchester Royal Infirmary	Study of computerised gamma camera uptake of technetium labelled HEDA to provide an index of liver function. Also studying results of surgical treatment of chronic relapsing pancreatitis.	1976-8	HIDA scanning in gall-bladder disease. Nicholson RW, Hastings DL, Testa HJ, Torrance B. Br J Radiol. 1980 Sep;53(633):878-82.	One of the earliest studies showing successful diagnosis of acute cholecystitis by scanning	Liver
4	GL Hill	General Infirmary Leeds	Nutritional aspects of patients undergoing elective surgery	1979	<p>- Intravenous aminoacids and intravenous hyperalimentation as protein-sparing therapy after major surgery. A controlled clinical trial. Collins JP, Oxby CB, Hill GL., Lancet. 1978 Apr 15;1(8068):788-91</p> <p>- Proceedings: High incidence of malnutrition is hospitalized surgical</p>	Groundbreaking studies showing frequency of malnutrition in surgical patients and its prevention by intravenous feeding	Nutrition

					patients. Hill GL, Blackett RL, Burkinshaw L, Young GA, Warren JV, Schorah CJ, Morgan BD. Br J Surg. 1976 Aug;63(8):663-4.		
5	DJ Dawson	Manchester Royal Infirmary	Developing technique for measurement of sugar absorption by human intestinal mucosa to determine characteristics of sugar absorption in normal adults.	1979- 80	Lactose digestion by human jejunal biopsies: the relationship between hydrolysis and absorption. Dawson DJ, Lobley RW, Burrows PC, Miller V, Holmes R. Gut. 1986 May;27(5):521-7.	Demonstrated importance of intestinal brush border lactase for lactose absorption	Nutrition
6	Hans Englyst	Dunn Nutritional Laboratory, Cambridge	Methods of measuring dietary fibre	1979- 80	Determination of the non-starch polysaccharides in plant foods by gas- chromatography of constituent sugars as alditol acetates. Englyst H, Wiggins HS, Cummings JH., Analyst. 1982 Mar;107(1272):307-18.	First method for accurate quantification and characterization of dietary fibre	Nutrition
7	John Lennard- Jones	St. Mark's Hospital, London	Randomised trial	1979	A comparison of oral prednisolone given as single or multiple daily doses for active proctocolitis. Powell-Tuck J, Bown RL, Lennard-Jones JE., Scand J Gastroenterol. 1978;13(7):833-7.	One of a series of classic studies that clarified the optimum dosing regimen for steroid use in ulcerative colitis – followed worldwide	IBD
8	Clem Imrie	Royal Infirmary Glasgow	A co-operative study between three centres looking into the role of peritoneal lavage in the treatment of pancreatic necrosis	1981	Controlled clinical trial of peritoneal lavage for the treatment of severe acute pancreatitis. Mayer AD, McMahon MJ, Corfield AP, Cooper MJ, Williamson RC, Dickson AP, Shearer MG, Imrie CW. N Engl J Med. 1985 Feb 14;312(7):399- 404	A classical early clinical trial in acute pancreatitis that established that peritoneal lavage was not effective	Pancreat itis
9	Werner D and Heaton K	Bristol Royal Infirmary	Role of dietary refined sugar in the formation of gallstones	1981- 83	Effects of dietary sucrose on factors influencing cholesterol gall stone formation.	Controlled study of high sugar, low fibre diet vs low sugar/high fibre in people	Liver

					Werner D, Emmett PM, Heaton KW. Gut. 1984 Mar;25(3):269-74.	with gallstones – adverse effects on weight and serum lipids but no adverse effects on bile	
10	Werner D and Heaton K	Bristol Royal Infirmary	Role of dietary refined sugar in the formation of gallstones	1981-84	Effects of dietary sucrose on factors influencing cholesterol gall stone formation. Werner D, Emmett PM, Heaton KW. Gut. 1984 Mar;25(3):269-74.	Controlled study of high sugar, low fibre diet vs low sugar/high fibre in people with gallstones – adverse effects on weight and serum lipids but no adverse effects on bile	Liver
11	Lucas M	University of Glasgow	Construction of a polymer pH electrode for in viva measurement of hydrogen ion concentration in the jejunum	1983	Plastic pH electrodes for the measurement of gastrointestinal pH. Rawlings JM, Lucas ML. Gut. 1985 Feb;26(2):203-7.	Successful development of plastic (previously glass) electrode for measurement of pH at endoscopy or by capsule	Ulcers
12	Braganza J	Manchester Royal Infirmary Hospital	Analysis of the diet and bile in pancreatic disease	1983	Pancreatic disease: a casualty of hepatic "detoxification"? Braganza JM. Lancet. 1983 Oct 29;2(8357):1000-3	Developed hypothesis that bile reflux containing toxic components crucial step in development of pancreatitis	Oesophagus
13	Northfield T	St George's, London	Lipid absorption in cystic fibrosis	1984	- Effect of cimetidine on enzyme inactivation, bile acid precipitation, and lipid solubilisation in pancreatic steatorrhoea due to cystic fibrosis. Zentler-Munro PL, Fine DR, Batten JC, Northfield TC. Gut. 1985 Sep;26(9):892-901. - Effect of intrajejunal acidity on aqueous phase bile acid and lipid concentrations in pancreatic steatorrhoea due to cystic fibrosis. Zentler-Munro PL, Fitzpatrick WJ, Batten	Demonstration of importance of suppressing acid when treating fat malabsorption in cystic fibrosis	Cystic fibrosis/nutrition

					JC, Northfield TC. Gut. 1984 May;25(5):500-7.		
14	Allan RN and Pease P	University of Birmingham/ General Hospital Birmingham	Research on the role of plasmids in aetiology of Crohn's disease (with Dr Pease)	1984	Cell-wall deficient bacteria in inflammatory bowel disease. Ibbotson JP, Pease PE, Allan RN., Eur J Clin Microbiol. 1987 Aug;6(4):429-31	An early study of the pathogenic role of bacteria in Crohn's disease	IBD
15	Grant DA and J Hermon-Taylor	St George's Hospital Medical School	Work on secretion of enterokinase into bile	1984	Catalytically active enterokinase in human bile. Grant DA, Talbot RW, Hermon-Taylor J., Clin Chim Acta. 1984 Sep 15;142(1):39-45.	One of a series of studies by this group showing the potential for enzymes present in bile to contribute to development of pancreatitis	Pancreatitis
16	ES Debnam	Royal Free Hospital, London	Membrane changes in small intestine	1985	- The effect of fasting on the potential difference across the brush-border membrane of enterocytes in rat small intestine., Debnam ES, Thompson CS., J Physiol. 1984 Oct;355:449-56. - Rapid adaptation of intestinal glucose transport: a brush-border or basolateral phenomenon? Karasov WH, Debnam ES., Am J Physiol. 1987 Jul;253(1 Pt 1):G54-61	Key studies clarifying mechanisms regulating glucose uptake in the small intestine	Nutrition
17	RG Tudor	General Hospital, Birmingham	Research into diverticulitis	1985	National audit of complicated diverticular disease: analysis of index cases. Tudor RG, Farmakis N, Keighley MR., Br J Surg. 1994 May;81(5):730-2.	The first national audit of diverticulitis care and outcomes	Diverticulitis
18	MR Jacyna	Ninewells Hospital, Dundee	Absorption of lipids by the gallbladder	1986	Characteristics of cholesterol absorption by human gall bladder: relevance to cholesterosis.	Demonstrated cholesterol absorption by the	Gallstones

					Jacyna MR, Ross PE, Bakar MA, Hopwood D, Bouchier IA., J Clin Pathol. 1987 May;40(5):524-9.	gallbladder – relevant to gall stone formation	
19	GP Kendall	St Mark's Hospital, London	Studies of abdominal pain and its causes	1986	Treatment of functional abdominal pain by transcutaneous electrical nerve stimulation. Sylvester K, Kendall GP, Lennard-Jones JE., Br Med J (Clin Res Ed). 1986 Aug 23;293(6545):481-2.	First report of treatment of functional abdominal pain (IBS) by transcutaneous nerve stimulation	IBS
20	Rhodes JM and Ching CK	University of Liverpool/ Walton Hospital	Investigation of cancer-related glycoproteins in carcinoma of the pancreas	1986	<ul style="list-style-type: none"> - Identification and partial characterization of a new pancreatic cancer-related serum glycoprotein by sodium dodecyl sulfate-polyacrylamide gel electrophoresis and lectin blotting., Ching CK, Rhodes JM., Gastroenterology. 1988 Jul;95(1):137-42. - Enzyme-linked PNA lectin binding assay compared with CA19-9 and CEA radioimmunoassay as a diagnostic blood test for pancreatic cancer., Ching CK, Rhodes JM., Br J Cancer. 1989 Jun;59(6):949-53 - A new enzyme-linked lectin/mucin antibody sandwich assay (CAM 17.1/WGA) assessed in combination with CA 19-9 and peanut lectin binding assay for the diagnosis of pancreatic cancer., Parker N, Makin CA, Ching CK, Eccleston D, Taylor OM, Milton JD, Rhodes JM., Cancer. 1992 Sep 1;70(5):1062-8. - Prospective study of CAM 17.1/WGA 	Series of studies characterizing mucins in sera as diagnostic markers for pancreatic cancer	Pancreatic cancer

					mucin assay for serological diagnosis of pancreatic cancer. Yiannakou JY1, Newland P, Calder F, Kingsnorth AN, Rhodes JM., Lancet. 1997 Feb 8;349(9049):389-92.		
21	J Kelleher	St. James' University Hospital Leeds	Pancreatic juice studies	1986	Composition of pure pancreatic juice in normal human subjects and in pancreatic disease. Jutley JK, Denyer ME, Kelleher J, Mitchell CJ., Digestion. 1987;38(2):96-102	Described differences between normal and diseased pancreatic juice	Pancreatitis
22	JM Rhodes	University of Liverpool	Investigation into colonic mucus structure and function in ulcerative colitis.	1987	Ion exchange chromatography of purified colonic mucus glycoproteins in inflammatory bowel disease: absence of a selective subclass defect. Raouf A, Parker N, Iddon D, Ryder S, Langdon-Brown B, Milton JD, Walker R, Rhodes JM., Gut. 1991 Oct;32(10):1139-45.	Refuted earlier finding from USA that had suggested an underlying mucus defect in ulcerative colitis, showed the changes were absent when disease in remission.	IBD
23	Guyan PM	University of Manchester	Investigating oxygen free radicals and their role in pathogenesis of acute pancreatitis	1987	Heightened free radical activity in pancreatitis. Guyan PM, Uden S, Braganza JM., Free Radic Biol Med. 1990;8(4):347-54.	Proposed free radicals as a major cause of damage in acute pancreatitis	Pancreatitis
24	Rampton D and Gertner	Royal Free Hospital London	Investigating cytokine release in ulcerative colitis	1987	- Increased leukotriene B4 release from ileal pouch mucosa in ulcerative colitis compared with familial adenomatous polyposis. Gertner DJ, Rampton DS, Madden MV,	Studies characterizing the inflammatory response in ulcerative colitis	IBD

					<p>Talbot IC, Nicholls RJ, Lennard-Jones JE.,Gut. 1994 Oct;35(10):1429-32.</p> <p>- Verapamil inhibits in-vitro leucotriene B4 release by rectal mucosa in active ulcerative colitis.</p> <p>Gertner DJ, Rampton DS, Stevens TR, Lennard-Jones JE.,Aliment Pharmacol Ther. 1992 Apr;6(2):163-8.</p>		
25	Day CP	Newcastle University Medical School	Myocardial function in alcoholic liver disease	1987	<p>QT prolongation and sudden cardiac death in patients with alcoholic liver disease.</p> <p>Day CP, James OF, Butler TJ, Campbell RW., Lancet. 1993 Jun 5;341(8858):1423-8.</p>	Demonstrated important mechanism by which alcoholism can increase risk of sudden cardiac death	Alcoholism
26	Cope GF	St James's University Hospital	Smoking and mucus production in colitis	1987	<p>- Smoking and colonic mucus in ulcerative colitis.</p> <p>Cope GF, Heatley RV, Kelleher JK., Br Med J (Clin Res Ed). 1986 Aug 23;293(6545):481. (Research letter)</p>	Smoking had no impact on mucus in controls but UC smokers produced more mucus (UC is commoner in non-smokers)	IBD
27	Levi S	Royal Postgraduate Medical School, Hammersmith Hospital	NSAID and GI ulceration	1988	<p>- Inhibitory effect of non-steroidal anti-inflammatory drugs on mucosal cell proliferation associated with gastric ulcer healing.</p> <p>Levi S, Goodlad RA, Lee CY, Stamp G, Walport MJ, Wright NA, Hodgson HJ.,Lancet. 1990 Oct 6;336(8719):840-3</p> <p>- Effects of nonsteroidal anti-inflammatory drugs and misoprostol on gastroduodenal epithelial proliferation in arthritis.</p> <p>Levi S, Goodlad RA, Lee CY, Walport MJ, Wright NA, Hodgson HJ.,Gastroenterology. 1992 May;102(5):1605-11.</p>	Influential studies clarifying the mechanisms of NSAID-induced ulceration	Ulcers

28	Florin T	Addenbrookes Hospital, Cambridge	Sulphate reduction and colitis	1990	- Metabolism of dietary sulphate: absorption and excretion in humans. Florin T, Neale G, Gibson GR, Christl SU, Cummings JH., Gut. 1991 Jul;32(7):766-73.	Important physiological study showing relative contribution of dietary sulphate to intestinal sulphate and its possible metabolism to harmful hydrogen sulphide	IBD
29	Hawkey C	University of Nottingham	Fish oil and colitis	1989	Treatment of ulcerative colitis with fish oil supplementation: a prospective 12 month randomised controlled trial. Hawthorne AB, Daneshmend TK, Hawkey CJ, Belluzzi A, Everitt SJ, Holmes GK, Malkinson C, Shaheen MZ, Willars JE., Gut. 1992 Jul;33(7):922-8.	Important study showing lack of benefit from maintenance with fish-oil supplement in ulcerative colitis	IBD
30	Goggin PM	St. George's Hospital Medical School	Hydrophobicity of gastric mucosa	1990	Surface hydrophobicity of gastric mucosa in Helicobacter pylori infection: effect of clearance and eradication. Goggin PM, Marrero JM, Spychal RT, Jackson PA, Corbishley CM, Northfield TC., Gastroenterology. 1992 Nov;103(5):1486-90	Clarified mechanisms that allow H pylori, causative organism in gastro-duodenal ulceration and gastric cancer, to colonise the human stomach	Ulcers/stomach cancer
31	Jenkins AP	Medical school of Guy's & St Thomas's Hospitals	Impacts of fat on small intestine	1990	- Does the fatty acid profile of dietary fat influence its trophic effect on the small intestinal mucosa? Jenkins AP, Thompson RP., Gut. 1993 Mar;34(3):358-64 . - Effect of dietary fat on the distribution of mucosal mass and cell proliferation along the small intestine. Jenkins AP, Thompson RP., Gut. 1992 Feb;33(2):224-9. - Effects of bolus doses of fat on small intestinal structure and on release of	Studies showing impacts of dietary fat on the function of the small intestine including hormone release relevant to appetite and obesity	Nutrition

					gastrin, cholecystokinin, peptide tyrosine-tyrosine, and enteroglucagon., Jenkins AP, Ghatei MA, Bloom SR, Thompson RP., Gut. 1992 Feb;33(2):218-23.		
32	Hodgson HJ	Hammersmith Hospital	Liver support	1991	Microcarrier culture of hepatocytes in whole plasma for use in liver support bioreactors. Cunningham JM, Hodgson HJ., Int J Artif Organs. 1992 Mar;15(3):162-7.	Helped to establish an ongoing programme to develop an artificial liver	Liver failure
33	Mehta AJ	St. George's Hospital Medical School	Oesophageal pain	1990	Sensitization to painful distention and abnormal sensory perception in the esophagus. Mehta AJ1, De Caestecker JS, Camm AJ, Northfield TC., Gastroenterology. 1995 Feb;108(2):311-9.	Showed increased oesophageal sensitivity in patients with functional oesophageal (gullet) pain	Oesophagitis
34	Ibbotson JP	University of Birmingham	Bacterial antibodies in IBD	1990	Mucosal cell-mediated immunity to mycobacterial, enterobacterial and other microbial antigens in inflammatory bowel disease. Ibbotson JP, Lowes JR, Chahal H, Gaston JS, Life P, Kumararatne DS, Sharif H, Alexander-Williams J, Allan RN., Clin Exp Immunol. 1992 Feb;87(2):224-30.	Influential early study linking bacteria with Crohn's disease	IBD

35	Jayanthi V	Leicester General Hospital	Ethnic variations in IBD	1990	<p>- Epidemiology of Crohn's disease in Indian migrants and the indigenous population in Leicestershire. Jayanthi V, Probert CS, Pinder D, Wicks AC, Mayberry JF., Q J Med. 1992 Feb;82(298):125-38.</p> <p>- Prevalence and family risk of ulcerative colitis and Crohn's disease: an epidemiological study among Europeans and south Asians in Leicestershire. Probert CS, Jayanthi V, Hughes AO, Thompson JR, Wicks AC, Mayberry JF., Gut. 1993 Nov;34(11):1547-51.</p>	Influential studies showing ethnic variations in Crohn's disease and ulcerative colitis	IBD
36	Thomas W	University Hospital, Nottingham	Colon cancer screening	1990	<p>Failure of CA19-9 to detect asymptomatic colorectal carcinoma. Thomas WM, Robertson JF, Price MR, Hardcastle JD., Br J Cancer. 1991 Jun;63(6):975-6.</p>	Important negative study of blood testing for colon cancer screening	Colon cancer
37	Fagan EA	Royal Free Hospital, London	Hepatitis viruses	1992	<p>- Toga virus-like particles in acute liver failure attributed to sporadic non-A, non-B hepatitis and recurrence after liver transplantation. Fagan EA, Ellis DS, Tovey GM, Lloyd G, Smith HM, Portmann B, Tan KC, Zuckerman AJ, Williams R., J Med Virol. 1992 Sep;38(1):71-7.</p> <p>- Exclusion in liver by polymerase chain reaction of hepatitis B and C viruses in acute liver failure attributed to sporadic non-A, non-B hepatitis. Fagan EA, Harrison TJ., J Hepatol. 1994 Oct;21(4):587-91</p>	Investigation of non A,B,C viruses in hepatitis	Hepatitis

38	Fiatarone JR	University of Newcastle	Gastric alcohol metabolism	1993	The effect of gastritis on human gastric alcohol dehydrogenase activity and ethanol metabolism. Brown AS1, Fiatarone JR, Wood P, Bennett MK, Kelly PJ, Rawlins MD, Day CP, James OF., Aliment Pharmacol Ther. 1995 Feb;9(1):57-61.	Refuted studies suggesting importance of gastric metabolism of alcohol	Alcoholism
39	Gattuso J	St Mark's Hospital, London	Constipation	1993	Clinical features of idiopathic megarectum and idiopathic megacolon. Gattuso JM, Kamm MA., Gut. 1997 Jul;41(1):93-9.	Important study clarifying diagnostic features in severe constipation	Constipation
40	Dwarakanath AD	University of Liverpool	Faecal enzymes in colitis	1993	- Faecal mucinase activity assessed in inflammatory bowel disease using ¹⁴ C threonine labelled mucin substrate. Dwarakanath AD, Campbell BJ, Tsai HH, Sunderland D, Hart CA, Rhodes JM., Gut. 1995 Jul;37(1):58-62. - Increased faecal mucin sulphatase activity in ulcerative colitis: a potential target for treatment. Tsai HH, Dwarakanath AD, Hart CA, Milton JD, Rhodes JM., Gut. 1995 Apr;36(4):570-6.	Studies showing faecal mucus-degrading enzymes as a good therapeutic target in ulcerative colitis	IBD
41	Bearcroft C	St. Bartholemew's Hospital, London	Cholera mechanisms	1993	- In vivo effects of the 5-HT ₃ antagonist alosetron on basal and cholera toxin-induced secretion in the human jejunum: a segmental perfusion study. Bearcroft CP, André EA, Farthing MJ., Aliment Pharmacol Ther. 1997 Dec;11(6):1109-14. - 5-hydroxytryptamine release into human jejunum by cholera toxin.	Studies investigating 5-HT ₃ as a therapeutic target in cholera	Cholera

					Bearcroft CP, Perrett D, Farthing MJ., Gut. 1996 Oct;39(4):528-31.		
42	Smithson J	Radcliffe Infirmary, Oxford	Regional variations in the colon/colitis	1993	Altered expression of mucins throughout the colon in ulcerative colitis. Smithson JE, Campbell A, Andrews JM, Milton JD, Pigott R, Jewell DP., Gut. 1997 Feb;40(2):234-40.	Showed altered types of mucus in the proximal versus distal colon – potentially relevant to distal distribution of colitis	IBD
43	Kingsnorth AN	University of Liverpool	Treatment of acute pancreatitis	1994	- Randomized, double-blind phase II trial of Lexipafant, a platelet-activating factor antagonist, in human acute pancreatitis. Kingsnorth AN, Galloway SW, Formela LJ., Br J Surg. 1995 Oct;82(10):1414-20. - Amelioration of experimental acute pancreatitis with a potent platelet-activating factor antagonist. Formela LJ, Wood LM, Whittaker M, Kingsnorth AN., Br J Surg. 1994 Dec;81(12):1783-5.	Promising results with platelet-inhibition in acute pancreatitis	Pancreatitis
44	Watson AJ	Royal Lancaster Infirmary	Oxygen radicals and colon damage	1993-4	Characterisation of oxidative injury to an intestinal cell line (HT-29) by hydrogen peroxide. Watson AJ, Askew JN, Sandle GI., Gut. 1994 Nov;35(11):1575-81.	Demonstrated oxygen radical damage to colon cells	IBD
45	Smith GD and Palmer K	Western General Hospital, Edinburgh	Counselling in IBD	1995	Impact of a nurse-led counselling service on quality of life in patients with inflammatory bowel disease. Smith GD, Watson R, Roger D, McRorie E, Hurst N, Luman W, Palmer KR., J Adv Nurs. 2002 Apr;38(2):152-60.	Showed benefits of nurse-led counseling on quality of life in Crohn's disease and colitis	IBD

46	Slater SD	Royal Postgraduate Medical School, Hammersmith Hospital	Chronic pancreatitis	1993-5	<p>- Proliferation of parenchymal epithelial cells enhanced in chronic pancreatitis. Slater SD, Williamson RC, Foster CS., J Pathol. 1998 Sep;186(1):104-8.</p> <p>- Expression of transforming growth factor-beta 1 in chronic pancreatitis. Slater SD, Williamson RC, Foster CS., Digestion. 1995;56(3):237-41.</p>	Clarified pathology of chronic pancreatitis	Pancreatitis
47	Vyas S	Southampton General Hospital	Hepatic lipocytes	1993-5	<p>Rat hepatic lipocytes synthesize and secrete transin (stromelysin) in early primary culture. Vyas SK1, Leyland H, Gentry J, Arthur MJ., Gastroenterology. 1995 Sep;109(3):889-98.</p>	Demonstrated potential for hepatic lipocytes to be crucial to fibrosis/cirrhosis development	Liver disease
48	Makin AJ	King's College Hospital	Liver blood flow	1993-5	<p>Systemic and hepatic hemodynamic changes in acute liver injury. Makin AJ1, Hughes RD, Williams R., Am J Physiol. 1997 Mar;272(3 Pt 1):G617-25.</p>	Showed importance of blood flow changes during liver damage	Liver disease

49	Aziz Q	Hope Hospital, Manchester	Brain gut connections	<p>1993-5</p> <ul style="list-style-type: none"> - Modulation of esophageal responses to magnetic stimulation of the human brain by swallowing and by vagal stimulation. Aziz Q, Rothwell JC, Barlow J, Thompson DG., Gastroenterology. 1995 Nov;109(5):1437-45. - Topographic mapping of cortical potentials evoked by distension of the human proximal and distal oesophagus. Aziz Q, Furlong PL, Barlow J, Hobson A, Alani S, Bancewicz J, Ribbands M, Harding GF, Thompson DG. Electroencephalogr Clin Neurophysiol. 1995 May;96(3):219-28. - Esophageal myoelectric responses to magnetic stimulation of the human cortex and the extracranial vagus nerve. Aziz Q, Rothwell JC, Barlow J, Hobson A, Alani S, Bancewicz J, Thompson DG. Am J Physiol. 1994 Nov;267(5 Pt 1):G827-35. - The topographic representation of esophageal motor function on the human cerebral cortex. Aziz Q, Rothwell JC, Hamdy S, Barlow J, Thompson DG., Gastroenterology. 1996 Oct;111(4):855-62. - Identification of human brain loci processing esophageal sensation using positron emission tomography. Aziz Q, Andersson JL, Valind S, Sundin A, Hamdy S, Jones AK, Foster ER, 	Ground-breaking studies showing interactions between brain and swallowing	Swallowing disorders
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					Långström B, Thompson DG., Gastroenterology. 1997 Jul;113(1):50-9		
50	Harvey C	University College London	Hypolactasia	1994-6	<p>- The lactase persistence/non-persistence polymorphism is controlled by a cis-acting element. Wang Y, Harvey CB, Pratt WS, Sams VR, Sarner M, Rossi M, Auricchio S, Swallow DM., Hum Mol Genet. 1995 Apr;4(4):657-62.</p> <p>- Studies on the expression of intestinal lactase in different individuals. Harvey CB, Wang Y, Hughes LA, Swallow DM, Thurrell WP, Sams VR, Barton R, Lanzon-Miller S, Sarner M., Gut. 1995 Jan;36(1):28-33.</p> <p>- Lactase haplotype frequencies in Caucasians: association with the lactase persistence/non-persistence polymorphism.</p>	Studies showing how lactase expression (determining lactose intolerance) is commonly lost in adults	Nutrition

					<p>Harvey CB, Hollox EJ, Poulter M, Wang Y, Rossi M, Auricchio S, Iqbal TH, Cooper BT, Barton R, Sarnier M, Korpela R, Swallow DM., Ann Hum Genet. 1998 May;62(Pt 3):215-23</p> <p>- The genetically programmed down-regulation of lactase in children.</p> <p>Wang Y, Harvey CB, Hollox EJ, Phillips AD, Poulter M, Clay P, Walker-Smith JA, Swallow DM., Gastroenterology. 1998 Jun;114(6):1230-6.</p>		
51	Andreyev J	Centre for Cancer Therapeutics , Insitute of Cancer Research & the GI Unit, Royal Marsden Hospital, Sutton, Surrey	Antisense in cancer	1994-7	<p>Antisense treatment directed against mutated Ki-ras in human colorectal adenocarcinoma.</p> <p>Andreyev HJ, Ross PJ, Cunningham D, Clarke PA., Gut. 2001 Feb;48(2):230-7</p>	Demonstrated feasibility of anti-sense treatment for colon cancer	Colon cancer
52	McAlindon ME	University of Nottingham	Macrophages in IBD	1994-6	<p>Expression of interleukin 1 beta and interleukin 1 beta converting enzyme by intestinal macrophages in health and inflammatory bowel disease.</p> <p>McAlindon ME1, Hawkey CJ, Mahida YR., Gut. 1998 Feb;42(2):214-9.</p>	Illustrates inflammatory changes in white blood cells (macrophages) in Crohn's and colitis	IBD
53	Grellier L	Royal Free Hospital, London	Immunology and hepatitis	1994-6	<p>Lamivudine prophylaxis against reinfection in liver transplantation for hepatitis B cirrhosis.</p>	Important early study of immune-modulation as protection against	Hepatitis

					Grellier L, Mutimer D, Ahmed M, Brown D, Burroughs AK, Rolles K, McMaster P, Beranek P, Kennedy F, Kibbler H, McPhillips P, Elias E, Dusheiko G., Lancet. 1996 Nov 2;348(9036):1212-5. Erratum in: Lancet 1997 Feb 1;349(9048):364	hepatitis B re-infection following transplant	
54	Pritchard DM	University of Manchester	Apoptosis	1995-7	<p>- Inhibition by uridine but not thymidine of p53-dependent intestinal apoptosis initiated by 5-fluorouracil: evidence for the involvement of RNA perturbation. Pritchard DM, Watson AJ, Potten CS, Jackman AL, Hickman JA., Proc Natl Acad Sci U S A. 1997 Mar 4;94(5):1795-9</p> <p>- The relationships between p53-dependent apoptosis, inhibition of proliferation, and 5-fluorouracil-induced histopathology in murine intestinal epithelia. Pritchard DM, Potten CS, Hickman JA., Cancer Res. 1998 Dec 1;58(23):5453-65.</p> <p>- Damage-induced apoptosis in intestinal epithelia from bcl-2-null and bax-null mice: investigations of the mechanistic determinants of epithelial apoptosis in vivo. Pritchard DM, Potten CS, Korsmeyer SJ, Roberts S, Hickman JA., Oncogene. 1999 Dec 2;18(51):7287-93.</p>	Series of important experiments clarifying the mechanisms underlying programmed cell death (apoptosis) a key mechanism in protection against cancer	Colon cancer
55	Thomson RK	University of Southampton	Primary biliary cirrhosis	1995-7	Immunogenetic analysis of a panel of monoclonal IgG and IgM anti-PDC-E2/X antibodies derived from patients with primary biliary cirrhosis.	Characterisation of auto-antibodies central to development of primary biliary cholangitis	Liver disease

					Thomson RK, Davis Z, Palmer JM, Arthur MJ, Yeaman SJ, Chapman CJ, Spellerberg MB, Stevenson FK., J Hepatol. 1998 Apr;28(4):582-94		
56	Hamdy S	University of Manchester	Electro-magnetic coils	1996	Explaining oropharyngeal dysphagia after unilateral hemispheric stroke. Hamdy S1, Aziz Q, Rothwell JC, Crone R, Hughes D, Tallis RC, Thompson DG., Lancet. 1997 Sep 6;350(9079):686-92.	Classic study clarifying mechanisms behind swallowing problems after stroke	Swallowing disorders
57	Yiannakou J	The Rayne Institute, London	Genetics of coeliac	1996	- A genome-wide family-based linkage study of coeliac disease. King AL, Yiannakou JY, Brett PM, Curtis D, Morris MA, Dearlove AM, Rhodes M, Rosen-Bronson S, Mathew C, Ellis HJ, Ciclitira PJ. Ann Hum Genet. 2000 Nov;64(Pt 6):479-90. - Common HLA alleles, rather than rare mutants, confer susceptibility to coeliac disease. Brett PM, Yiannakou JY, Morris MA, Vaughan R, Curtis D, Ciclitira PJ., Ann Hum Genet. 1999 May;63(Pt 3):217-25.	Studies on genetics of coeliac disease	Coeliac Disease
58	Beck NE	ICRF, John Radcliffe Hospital	Hereditary colon cancer	1996-8	- Frequency of germline hereditary non-polyposis colorectal cancer gene mutations in patients with multiple or early onset colorectal adenomas. Beck NE, Tomlinson IP, Homfray TF, Frayling IM, Hodgson SV, Bodmer WF., Gut. 1997 Aug;41(2):235-8. - Genetic testing is important in families with a history suggestive of hereditary non-polyposis colorectal cancer even if	Clarification of genes involved in hereditary colon cancer	Colon cancer

					<p>the Amsterdam criteria are not fulfilled. Beck NE, Tomlinson IP, Homfray T, Hodgson SV, Harocopos CJ, Bodmer WF., Br J Surg. 1997 Feb;84(2):233-7.</p> <p>- Use of SSCP analysis to identify germline mutations in HNPCC families fulfilling the Amsterdam criteria. Beck NE, Tomlinson IP, Homfray T, Frayling I, Hodgson SV, Harocopos C, Bodmer WF., Hum Genet. 1997 Feb;99(2):219-24.</p>		
59	Hearing SD	University of Bristol	Steroid sensitivity in UC	1996-8	<p>Predicting therapeutic outcome in severe ulcerative colitis by measuring in vitro steroid sensitivity of proliferating peripheral blood lymphocytes. Hearing SD, Norman M, Probert CS, Haslam N, Dayan CM., Gut. 1999 Sep;45(3):382-8.</p>	Development of new test for steroid sensitivity (responsiveness) in UC	IBD
60	Bliss PW	Royal Postgraduate Medical School	Gastrin and acid	1996-8	<p>Nalpa-methyl histamine and histamine stimulate gastrin release from rabbit G-cells via histamine H2-receptors. Bliss PW, Healey ZV, Arebi N, Calam J., Aliment Pharmacol Ther. 1999 Dec;13(12):1669-74.</p>	Better understanding of interaction between histamine H2 receptors and gastrin in acid regulation	Ulcers
61	Williams M	Royal Free Hospital School of Medicine, London	H pylori	1996-8	<p>Seven-day treatment for Helicobacter pylori infection: ranitidine bismuth citrate plus clarithromycin and tetracycline hydrochloride. Williams MP, Hamilton MR, Sercombe JC, Pounder RE., Aliment Pharmacol Ther. 1997 Aug;11(4):705-10.</p>	Evaluation of new treatment for H pylori	Ulcers/Stomach cancer
62	Richards FM	University of Birmingham	Genetics of gastric cancer	1997-8	<p>Germline E-cadherin gene (CDH1) mutations predispose to familial gastric cancer and colorectal cancer.</p>	Description of important gene associations with	Stomach and

					Richards FM, McKee SA, Rajpar MH, Cole TR, Evans DG, Jankowski JA, McKeown C, Sanders DS, Maher ER., Hum Mol Genet. 1999 Apr;8(4):607-10.	inherited stomach and colon cancer	colon cancer
63	MacPherson AJ	King's College London	Immunology to commensals	1997-8	Induction of protective IgA by intestinal dendritic cells carrying commensal bacteria. Macpherson AJ, Uhr T., Science. 2004 Mar 12;303(5664):1662-5.	Groundbreaking study of impact of commensal ("harmless") bacteria on the immune system	Gut immunology-microbiota
64	Forman D	University of Leeds	H pylori and gastric cancer	1997	Gastric cancer, gastritis and plasma vitamin C: results from an international correlation and cross-sectional study. The Eurogast Study Group. Webb PM, Bates CJ, Palli D, Forman D., Int J Cancer. 1997 Nov 27;73(5):684-9.	Highlighted interactions between gastritis, gastric vitamin C secretion and gastric cancer	Stomach cancer
65	Atherton, Crabtree and others European H Pylori Study Group	University of Nottingham	H pylori	1997	Current European concepts in the management of Helicobacter pylori infection. The Maastricht Consensus Report. European Helicobacter Pylori Study Group. [No authors listed], Gut. 1997 Jul;41(1):8-13. Review. Erratum in: Gut 1997 Aug;41(2):276.	Influential guidelines on management of H pylori	Ulcers/stomach cancer
66	Northfield T	St George's Hospital Medical School, London	H pylori and coronary disease	1997-2000	Relation of Helicobacter pylori infection and coronary heart disease. Mendall MA, Goggin PM, Molineaux N, Levy J, Toosy T, Strachan D, Camm AJ, Northfield TC., Br Heart J. 1994 May;71(5):437-9.	First report of association between H pylori in the stomach and coronary disease – confirmed by subsequent studies although remains controversial	Microbiota and coronary disease

67	El Omar E	Vanderbilt University, Tennessee, USA	Studying the role of bacterial and host genetic factors in the development of H. Pylori-related disease	<p>1997</p> <ul style="list-style-type: none"> - Interleukin-1 polymorphisms associated with increased risk of gastric cancer. El-Omar EM, Carrington M, Chow WH, McColl KE, Bream JH, Young HA, Herrera J, Lissowska J, Yuan CC, Rothman N, Lanyon G, Martin M, Fraumeni JF Jr, Rabkin CS. Nature. 2000 Mar 23;404(6776):398-402. Web of Science citations to date 1769. - Helicobacter pylori does not require Lewis X or Lewis Y expression to colonize C3H/HeJ mice. Takata T, El-Omar E, Camorlinga M, Thompson SA, Minohara Y, Ernst PB, Blaser MJ. Infect Immun. 2002 Jun;70(6):3073-9. - Increased risk of noncardia gastric cancer associated with proinflammatory cytokine gene polymorphisms. El-Omar EM, Rabkin CS, Gammon MD, Vaughan TL, Risch HA, Schoenberg JB, Stanford JL, Mayne ST, Goedert J, Blot WJ, Fraumeni JF Jr, Chow WH. Gastroenterology. 2003 May;124(5):1193-201. Web of Science citations to date 699. 	Ground-breaking studies demonstrating the mechanism underlying H pylori as a cause of stomach cancer	Stomach cancer
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68	Lindsay JO	Imperial College, London	Gene therapy for colitis	1998	<p>- Lindsay JO, Sandison A, Cohen P, Brennan FM, Hodgson HJF. IL-10 gene therapy is therapeutic for dextran sodium sulfate induced colitis. <i>Dig. Dis. Sci</i>, 2004; 49: 1327-1334</p> <p>- Lindsay JO, Ciesielski CJ, Scheinin T, Brennan FM, Hodgson HJ. The local delivery of adenoviral vectors encoding murine interleukin-10 induces colonic IL-10 production and is therapeutic for murine colitis. <i>Gut</i>, 2003; 52: 363-369</p> <p>- Lindsay JO, van Montfrans C, Brennan FM, van Deventer SJH, Drilenburg P, Hodgson HJF, te Velde AA, Rodriguez Pena MS. IL-10 gene therapy ameliorates TNBS induced colitis. <i>Gene Therapy</i>, 2002; 9: 1715-21</p> <p>- Lindsay JO, Ciesielski CJ, Scheinin T, Hodgson HJF, Brennan FM. The prevention and treatment of murine colitis using adenoviral vectors encoding interleukin-10. <i>J Immunol</i>, 2001; 166: 7625-7633</p>	Studies showing practicality of gene therapy for ulcerative colitis	IBD
69	McKaig BC	University of Nottingham	Fibrosis in IBD	1997-99	<p>- Differential expression of TGF-beta isoforms by normal and inflammatory bowel disease intestinal myofibroblasts. McKaig BC, Hughes K, Tighe PJ, Mahida YR., <i>Am J Physiol Cell Physiol</i>. 2002 Jan;282(1):C172-82.</p> <p>- Normal human colonic subepithelial myofibroblasts enhance epithelial migration (restitution) via TGF-beta3.</p>	Clarifying interaction between cytokines and fibroblasts relevant to development of fibrotic strictures in Crohn's disease	IBD

					McKaig BC, Makh SS, Hawkey CJ, Podolsky DK, Mahida YR., Am J Physiol. 1999 May;276(5):G1087-93. doi: 10.1152/ajpgi.1999.276.5.G1087		
70	Ling SC	University of Glasgow	Breath tests in children	1997-9	Liver disease does not affect lipolysis as measured with the 13C-mixed triacylglycerol breath test in children with cystic fibrosis. Ling SC, Amarri S, Slater C, Hollman AS, Preston T, Weaver LT., J Pediatr Gastroenterol Nutr. 2000 Apr;30(4):368-72.	Measuring malabsorption non-invasively	Cystic fibrosis
71	Grant AJ	University of Birmingham	T cell homing in liver disease	1998-2000	MAdCAM-1 expressed in chronic inflammatory liver disease supports mucosal lymphocyte adhesion to hepatic endothelium (MAdCAM-1 in chronic inflammatory liver disease). Grant AJ, Lalor PF, Hübscher SG, Briskin M, Adams DH., Hepatology. 2001 May;33(5):1065-72.	Key study clarifying mechanism of T cell homing in liver disease	Liver disease
72	Godkin AJ	John Radcliffe Hospital, Oxford	Clarification of gliadin epitope	1998-2000	- In vivo antigen challenge in celiac disease identifies a single transglutaminase-modified peptide as the dominant A-gliadin T-cell epitope. Anderson RP, Degano P, Godkin AJ, Jewell DP, Hill AV., Nat Med. 2000 Mar;6(3):337-42. - Use of complete eluted peptide sequence data from HLA-DR and -DQ molecules to predict T cell epitopes, and the influence of the nonbinding terminal regions of ligands in epitope selection. Godkin AJ, Davenport MP, Willis A,	Key studies clarifying the gliadin (gluten peptide) epitope responsible for coeliac disease	Coeliac disease

					Jewell DP, Hill AV., J Immunol. 1998 Jul 15;161(2):850-8.		
73	Cunliffe R	University of Nottingham	Paneth cells in Crohn's disease	1998-2000	Human defensin 5 is stored in precursor form in normal Paneth cells and is expressed by some villous epithelial cells and by metaplastic Paneth cells in the colon in inflammatory bowel disease. Cunliffe RN, Rose FR, Keyte J, Abberley L, Chan WC, Mahida YR., Gut. 2001 Feb;48(2):176-85.	Clarification of defensin (anti-bacterial peptide) production by Paneth cells – possibly central to Crohn's disease pathogenesis	IBD
74	Greig E	University of Manchester	Salt handling by the colon	1998-9	- Molecular and functional studies of electrogenic Na(+) transport in the distal colon and rectum of young and elderly subjects. Greig ER, Mathialahan T, Boot-Handford RP, Sandle GI., Gut. 2003 Nov;52(11):1607-15. - Decreased expression of apical Na+ channels and basolateral Na+, K+-ATPase in ulcerative colitis. Greig ER, Boot-Handford RP, Mani V, Sandle GI., J Pathol. 2004 Sep;204(1):84-92.	Physiological studies showing important impacts of colitis and aging on salt handling by the colon	IBD
75	Woodward M	University of Liverpool	Studies in Hirschsprung's disease	1999-2000	- Localization and endothelin-3 dependence of stem cells of the enteric nervous system in the embryonic colon. Sidebotham EL, Woodward MN, Kenny SE, Lloyd DA, Vaillant CR, Edgar DH., J Pediatr Surg. 2002 Feb;37(2):145-50.	Studies to elucidate mechanism underlying Hirschsprung's disease	Hirschsprung's disease / Constipation

					<p>- Time-dependent effects of endothelin-3 on enteric nervous system development in an organ culture model of Hirschsprung's disease. Woodward MN, Kenny SE, Vaillant C, Lloyd DA, Edgar DH., J Pediatr Surg. 2000 Jan;35(1):25-9.</p>		
76	Weaver SA	University of Bath	Prostaglandins and colon function	1999-2000	<p>- Differential regulation of prostaglandin E biosynthesis by interferon-gamma in colonic epithelial cells. Wright KL, Weaver SA, Patel K, Coopman K, Feeney M, Kolios G, Robertson DA, Ward SG., Br J Pharmacol. 2004 Apr;141(7):1091-7. Epub 2004 Mar 15.</p> <p>- Regulatory role of phosphatidylinositol 3-kinase on TNF-alpha-induced cyclooxygenase 2 expression in colonic epithelial cells. Weaver SA, Russo MP, Wright KL, Kolios G, Jobin C, Robertson DA, Ward SG., Gastroenterology. 2001 Apr;120(5):1117-27.</p>	Studies clarifying roles of prostaglandins in colonic function and inflammation	IBD
77	Kitchen P	Northwick Park and St Mark's NHS Trust, Harrow	Impact of hormones and growth factors on intestinal growth	1999-2000	<p>Intestinal growth in parenterally-fed rats induced by the combined effects of glucagon-like peptide 2 and epidermal growth factor. Kitchen PA, Goodlad RA, FitzGerald AJ, Mandir N, Ghatei MA, Bloom SR, Berlanga-Acosta J, Playford RJ, Forbes A, Walters JR. JPEN J Parenter Enteral Nutr. 2005 Jul-Aug;29(4):248-54.</p>		Nutrition

78	Bright-Thomas RM	University College London	Gene therapy for polyposis	1999-2000	Preclinical studies of gene transfer for the treatment of desmoid disease in familial adenomatous polyposis. Bright-Thomas RM, Agrawal A, Hargest R., Br J Surg. 2002 Dec;89(12):1563-9.	Early study investigating possibility of gene therapy for familial polyposis	Colon cancer
79	Mahida Y	University of Nottingham	Mechanisms of C difficile diarrhoeal disease	1999-2000	<ul style="list-style-type: none"> - C. difficile-associated diarrhoea in hospitalised patients: onset in the community and hospital and role of flexible sigmoidoscopy. Johal SS, Hammond J, Solomon K, James PD, Mahida YR, Gut. 2004;53:673-677. - Differential effects of varying concentrations of C. difficile toxin A on epithelial barrier function and cytokine expression. Johal S S, Solomon K, Dodson S, Borriello SP, Mahida YR., Journal of Infectious Diseases. 2004;189:2110-9. - Colonic IgA-producing cells and macrophages are reduced in recurrent and non-recurrent C. difficile-associated diarrhoea. Johal S S, Lambert CP, Hammond J, James PD, Borriello SP, Mahida YR. Journal of Clinical Pathology. 2004;57:973-9. - . Monocytes are highly sensitive to C. difficile toxin A-induced apoptotic and non-apoptotic cell death, Solomon K, Webb J, Ali N, Robins R A, Mahida Y R Infection & Immunity. 2005;73:1625–1634. - . Essential role of toxin A in C. difficile 	Evidence for the concept of asymptomatic colonisation with toxigenic C. difficile in hospitalised patients with subsequent readmissions because of C. difficile infection-induced diarrhoea in the community, following exposure to antibiotics.	C. difficile Infection

					027 and reference strain supernatant-mediated disruption of Caco-2 intestinal epithelial barrier function. Sutton PA, Li S, Webb J, Solomon K, Brazier J, Mahida YR, Clinical & Experimental Immunology. 2008;153:439-447.		
80	Carter M	University of Sheffield	Interleukin 1 and UC	1999-2000	<ul style="list-style-type: none"> - Functional correlates of the interleukin-1 receptor antagonist gene polymorphism in the colonic mucosa in ulcerative colitis. Carter MJ, Jones S, Camp NJ, Cox A, Mee J, Warren B, Duff GW, Lobo AJ, di Giovine FS., Genes Immun. 2004 Jan;5(1):8-15. - The interleukin 1 receptor antagonist gene allele 2 as a predictor of pouchitis following colectomy and IPAA in ulcerative colitis. Carter MJ, Di Giovine FS, Cox A, Goodfellow P, Jones S, Shorthouse AJ, Duff GW, Lobo AJ., Gastroenterology. 2001 Oct;121(4):805-11. - Association of the interleukin 1 receptor antagonist gene with ulcerative colitis in Northern European Caucasians. 	Showned genetic link between an inflammatory cytokine gene and ulcerative colitis	IBD

					Carter MJ, di Giovine FS, Jones S, Mee J, Camp NJ, Lobo AJ, Duff GW., Gut. 2001 Apr;48(4):461-7.		
81	Newsome P	University of Edinburgh	The role of haemopoietic stem cells in the treatment of hepatic failure	2000-1	Human cord-blood derived cells can differentiate into hepatocytes in the mouse liver with no evidence of cellular fusion., Newsome PN, Johannessen I, Boyle S, McAulay K, Samuel K, Rae F, Forrester L, Turner M, Hayes PC, Harrison DJ, Bickmore WA, Plevris JN Gastroenterology 2003 July; 124 (7): 1891-1901.	Experimental evidence supporting the possibility of liver regeneration from cord-blood stem cells as a possible treatment for liver failure	Liver failure
82	Willert R	University of Manchester	Oesophageal pain	2001-3	<p>- Exploring the neurophysiological basis of chest wall allodynia induced by experimental oesophageal acidification - evidence of central sensitization. Willert RP, Delaney C, Kelly K, Sharma A, Aziz Q, Hobson AR., Neurogastroenterol Motil. 2007 Apr;19(4):270-8.</p> <p>- Neurokinin-1 receptor antagonism in a human model of visceral hypersensitivity. Willert RP, Hobson AR, Delaney C, Hicks KJ, Dewit OE, Aziz Q., Aliment Pharmacol Ther. 2007 Feb 1;25(3):309-16. Epub 2007 Jan 8.</p> <p>- Constitutive cyclo-oxygenase-2 does not contribute to the development of</p>	Clarified mechanisms of pain sensation in the oesophagus (gullet)	Oesophageal pain

					human visceral pain hypersensitivity. Willert RP, Delaney C, Hobson AR, Thompson DG, Woolf CJ, Aziz Q., Eur J Pain. 2006 Aug;10(6):487-94.		
83	Newton J	Royal Victoria Infirmary, Newcastle / University of Newcastle upon Tyne	Autonomic nervous system	2000-1	Abnormalities of sympathetic and parasympathetic autonomic function in subjects with defaecation syncope. Allan L, Johns E, Doshi M, Anne Kenny R, Newton JL., Europace. 2004 May;6(3):192-8.	Investigation and treatment of syncope (blackout) induced by defaecation	Constipation
84	Mpofu C	University of Liverpool	Bacteria, macrophages and Crohn's disease	2000-2002	<p>- Microbial mannan inhibits bacterial killing by macrophages: a possible pathogenic mechanism for Crohn's disease. Mpofu CM, Campbell BJ, Subramanian S, Marshall-Clarke S, Hart CA, Cross A, Roberts CL, McGoldrick A, Edwards SW, Rhodes JM., Gastroenterology. 2007 Nov;133(5):1487-98. Epub 2007 Aug 3</p> <p>- Enhanced Escherichia coli adherence and invasion in Crohn's disease and colon cancer. Martin HM, Campbell BJ, Hart CA, Mpofu C, Nayar M, Singh R, Englyst H, Williams HF, Rhodes JM., Gastroenterology. 2004 Jul;127(1):80-93.</p> <p>- Strategies for detecting colon cancer and/or dysplasia in patients with</p>	Demonstrated possible causative role for E. coli in Crohn's disease and colon cancer and showed interaction between mycobacterial mannan and macrophage function as possible mechanism for reduced E. coli clearance. Concurrently conducted an influential Cochrane systematic review of colon cancer screening for colitis-associated colon cancer.	IBD

					inflammatory bowel disease. Mpofu C, Watson AJ, Rhodes JM., Cochrane Database Syst Rev. 2004;(2):CD000279		
85	Clark EC	University of Manchester	Glutamine and barrier function	2000-2	Glutamine deprivation facilitates tumour necrosis factor induced bacterial translocation in Caco-2 cells by depletion of enterocyte fuel substrate. Clark EC1, Patel SD, Chadwick PR, Warhurst G, Curry A, Carlson GL. Gut. 2003 Feb;52(2):224-30.	Showed importance of glutamine as fuel to maintain integrity of mucosal barrier	Nutrition
86	Shek FW	University of Southampton	Stellate cells and chronic pancreatitis	2001	Expression of transforming growth factor-beta 1 by pancreatic stellate cells and its implications for matrix secretion and turnover in chronic pancreatitis. Shek FW, Benyon RC, Walker FM, McCrudden PR, Pender SL, Williams EJ, Johnson PA, Johnson CD, Bateman AC, Fine DR, Iredale JP., Am J Pathol. 2002 May;160(5):1787-98.	Demonstrated possible mechanism for fibrosis in chronic pancreatitis	Pancreatitis
87	Wong NA	John Radcliffe Hospital, Oxford	Mechanisms of Barrett's metaplasia	2001-2	- EpCAM and gpA33 are markers of Barrett's metaplasia. Wong NA, Warren BF, Piris J, Maynard N, Marshall R, Bodmer WF., J Clin Pathol. 2006 Mar;59(3):260-3. Epub 2006 Feb 10. - CDX1 is an important molecular mediator of Barrett's metaplasia.	Characterised mechanism of Barrett's metaplasia, a precursor of oesophageal cancer	Oesophageal cancer

					Wong NA, Wilding J, Bartlett S, Liu Y, Warren BF, Piris J, Maynard N, Marshall R, Bodmer WF., Proc Natl Acad Sci U S A. 2005 May 24;102(21):7565-70. Epub 2005 May 13.		
88	Mole DJ	Queen's University Belfast	Organ damage in acute pancreatitis	2001-2	<p>- The isolated perfused liver response to a 'second hit' of portal endotoxin during severe acute pancreatitis. Mole DJ, Taylor MA, McFerran NV, Diamond T., Pancreatolgy. 2005;5(4-5):475-85. Epub 2005 Jun 28.</p> <p>- Tryptophan catabolites in mesenteric lymph may contribute to pancreatitis-associated organ failure. Mole DJ, McFerran NV, Collett G, O'Neill C, Diamond T, Garden OJ, Kylanpaa L, Repo H, Deitch EA., Br J Surg. 2008 Jul;95(7):855-67. doi: 10.1002/bjs.6112.</p>	Characterised mechanisms of organ damage in acute pancreatitis	Pancreatitis
89	Thapar N	MRC National Institute for Medical Research	Enteric nervous system	2001-3	<p>- Maintenance of mammalian enteric nervous system progenitors by SOX10 and endothelin 3 signalling. Bondurand N, Natarajan D, Barlow A, Thapar N, Pachnis V., Development. 2006 May;133(10):2075-86. Epub 2006 Apr 19.</p> <p>- Neuron and glia generating progenitors of the mammalian enteric nervous system isolated from foetal and postnatal gut cultures. Bondurand N, Natarajan D, Thapar N,</p>	Better characterisation of enteric (intestinal) nerves	Abdominal pain

					Atkins C, Pachnis V., Development. 2003 Dec;130(25):6387-400.		
90	McDermott U	Queen's University Belfast	Cancer genetics and chemotherapy	2002-3	Effect of p53 status and STAT1 on chemotherapy-induced, Fas-mediated apoptosis in colorectal cancer. McDermott U, Longley DB, Galligan L, Allen W, Wilson T, Johnston PG., Cancer Res. 2005 Oct 1;65(19):8951-60.	Showed importance of cancer genetics in determining response to chemotherapy	Colon cancer
91	McGovern DP	Wellcome Trust Centre for Human Genetics, Oxford	Genetics of inflammation in inflammatory bowel disease	2002-3	TUCAN (CARD8) genetic variants and inflammatory bowel disease. McGovern DP, Butler H, Ahmad T, Paolucci M, van Heel DA, Negoro K, Hysi P, Ragoussis J, Travis SP, Cardon LR, Jewell DP.,Gastroenterology. 2006 Oct;131(4):1190-6. Epub 2006 Aug 5.	Key study identifying a gene regulator of NFkappaB activation, a key step in inflammation, associated with Crohn's disease	IBD
92	Eksteen B	University of Birmingham	Mechanisms of hepatitis	2002-3	<p>- CXCR 3 activation promotes lymphocyte transendothelial migration across human hepatic endothelium under fluid flow. Curbishley SM, Eksteen B, Gladue RP, Lalor P, Adams DH.,Am J Pathol. 2005 Sep;167(3):887-99.</p> <p>- CXC chemokine ligand 16 promotes integrin-mediated adhesion of liver-infiltrating lymphocytes to cholangiocytes and hepatocytes within the inflamed human liver.,Heydtmann M, Lalor PF, Eksteen JA, Hübscher SG, Briskin M,</p>	Clarified mechanisms of leucocyte recruitment into hepatitis	Hepatitis

					Adams DH., J Immunol. 2005 Jan 15;174(2):1055-62.		
93	Houlston R, Tomlinson I, Bishop T, Peto J, Gray R	Institute of Cancer Research, Surrey	Genetic causes of colon cancer	2002-3	<p>- Refinement of the basis and impact of common 11q23.1 variation to the risk of developing colorectal cancer. Pittman AM, Webb E, Carvajal-Carmona L, Howarth K, Di Bernardo MC, Broderick P, Spain S, Walther A, Price A, Sullivan K, Twiss P, Fielding S, Rowan A, Jaeger E, Vijaykrishnan J, Chandler I, Penegar S, Qureshi M, Lubbe S, Domingo E, Kemp Z, Barclay E, Wood W, Martin L, Gorman M, Thomas H, Peto J, Bishop T, Gray R, Maher ER, Lucassen A, Kerr D, Evans GR; CORGI Consortium, van Wezel T, Morreau H, Wijnen JT, Hopper JL, Southey MC, Giles GG, Severi G, Castellví-Bel S, Ruiz-Ponte C, Carracedo A, Castells A; EPICOLON Consortium, Försti A, Hemminki K, Vodicka P, Naccarati A, Lipton L, Ho JW, Cheng KK, Sham PC, Luk J, Agúndez JA, Ladero JM, de la Hoya M, Caldés T, Niittymäki I, Tuupanen S, Karhu A, Aaltonen LA, Cazier JB, Tomlinson IP, Houlston RS., Hum Mol Genet. 2008 Dec 1;17(23):3720-7. doi: 10.1093/hmg/ddn267. Epub 2008 Aug 27.</p> <p>- Common genetic variants at the</p>	Identified genetic causes of colon cancer	Colon cancer

					CRAC1 (HMPS) locus on chromosome 15q13.3 influence colorectal cancer risk. Jaeger E, Webb E, Howarth K, Carvajal-Carmona L, Rowan A, Broderick P, Walther A, Spain S, Pittman A, Kemp Z, Sullivan K, Heinemann K, Lubbe S, Domingo E, Barclay E, Martin L, Gorman M, Chandler I, Vijayakrishnan J, Wood W, Papaemmanuil E, Penegar S, Qureshi M; CORGI Consortium, Farrington S, Tenesa A, Cazier JB, Kerr D, Gray R, Peto J, Dunlop M, Campbell H, Thomas H, Houlston R, Tomlinson I., Nat Genet. 2008 Jan;40(1):26-8. Epub 2007 Dec 16.		
94	Creed T	Bristol Royal Infirmary	Steroid responsiveness in IBD	2002-3	<p>- The effects of cytokines on suppression of lymphocyte proliferation by dexamethasone. Creed TJ, Lee RW, Newcomb PV, di Mambro AJ, Raju M, Dayan CM., J Immunol. 2009 Jul 1;183(1):164-71. doi: 10.4049/jimmunol.0801998.</p> <p>- CD4+CD25(int) T cells in inflammatory diseases refractory to treatment with glucocorticoids. Lee RW, Creed TJ, Schewitz LP, Newcomb PV, Nicholson LB, Dick AD, Dayan CM., J Immunol. 2007 Dec 1;179(11):7941-8.</p> <p>- Basiliximab for the treatment of steroid-resistant ulcerative colitis: further experience in moderate and severe disease. Creed TJ, Probert CS, Norman MN,</p>	Clarified mechanisms underlying steroid non-response in patients with Crohn's disease and ulcerative colitis	IBD

					<p>Moorghen M, Shepherd NA, Hearing SD, Dayan CM; BASBUC INVESTIGATORS., Aliment Pharmacol Ther. 2006 May 15;23(10):1435-42.</p> <p>- Basiliximab (anti-CD25) in combination with steroids may be an effective new treatment for steroid-resistant ulcerative colitis.</p> <p>Creed TJ, Norman MR, Probert CS, Harvey RF, Shaw IS, Smithson J, Anderson J, Moorghen M, Gupta J, Shepherd NA, Dayan CM, Hearing SD., Aliment Pharmacol Ther. 2003 Jul 1;18(1):65-75.</p>		
95	Lemoine N, Neoptolemos J, Costello E	Imperial College School of Medicine	Markers of prognosis in pancreatic cancer	2002-3	<p>- Proteomic analysis of chronic pancreatitis and pancreatic adenocarcinoma.</p> <p>Crnogorac-Jurcevic T, Gangeswaran R, Bhakta V, Capurso G, Lattimore S, Akada M, Sunamura M, Prime W, Campbell F, Brentnall TA, Costello E, Neoptolemos J, Lemoine NR., Gastroenterology. 2005 Nov;129(5):1454-63.</p> <p>- High nuclear S100A6 (Calcyclin) is significantly associated with poor survival in pancreatic cancer patients.</p> <p>Vimalachandran D, Greenhalf W, Thompson C, Lüttges J, Prime W, Campbell F, Dodson A, Watson R, Crnogorac-Jurcevic T, Lemoine N, Neoptolemos J, Costello E., Cancer Res. 2005 Apr 15;65(8):3218-25.</p>	Identified molecular markers of poor prognosis in pancreatic cancer	Pancreatic cancer

					<p>- Analysis of gene expression in cancer cell lines identifies candidate markers for pancreatic tumorigenesis and metastasis. Missiaglia E, Blaveri E, Terris B, Wang YH, Costello E, Neoptolemos JP, Crnogorac-Jurcevic T, Lemoine NR. Int J Cancer. 2004 Oct 20;112(1):100-12.</p>		
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96	Dunlop MG, Campbell H And others	Western General Hospital, Edinburgh	Genetics of colon cancer	2002-3	<p>- Genome-wide association scan identifies a colorectal cancer susceptibility locus on 11q23 and replicates risk loci at 8q24 and 18q21. Tenesa A, Farrington SM, Prendergast JG, Porteous ME, Walker M, Haq N, Barnetson RA, Theodoratou E, Cetnarskyj R, Cartwright N, Semple C, Clark AJ, Reid FJ, Smith LA, Kavoussanakis K, Koessler T, Pharoah PD, Buch S, Schafmayer C, Tepel J, Schreiber S, Völzke H, Schmidt CO, Hampe J, Chang-Claude J, Hoffmeister M, Brenner H, Wilkening S, Canzian F, Capella G, Moreno V, Deary IJ, Starr JM, Tomlinson IP, Kemp Z, Howarth K, Carvajal-Carmona L, Webb E, Broderick P, Vijayakrishnan J, Houlston RS, Rennert G, Ballinger D, Rozek L, Gruber SB, Matsuda K, Kidokoro T, Nakamura Y, Zanke BW, Greenwood CM, Rangrej J, Kustra R, Montpetit A, Hudson TJ, Gallinger S, Campbell H, Dunlop MG., Nat Genet. 2008 May;40(5):631-7. doi: 10.1038/ng.133. Epub 2008 Mar 30.</p> <p>- Germline mutation prevalence in the base excision repair gene, MYH, in patients with endometrial cancer. Barnetson RA, Devlin L, Miller J, Farrington SM, Slater S, Drake AC, Campbell H, Dunlop MG, Porteous ME., Clin Genet. 2007 Dec;72(6):551-5. Epub 2007 Oct 22.</p> <p>- Chromatin structure and evolution in</p>	Key studies from a research centre that continues to have a leading role in advancing our understanding of colon cancer genetics	Colon cancer
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				<p>the human genome. Prendergast JG, Campbell H, Gilbert N, Dunlop MG, Bickmore WA, Semple CA.,BMC Evol Biol. 2007 May 9;7:72.</p> <p>- Identification and survival of carriers of mutations in DNA mismatch-repair genes in colon cancer. Barnetson RA, Tenesa A, Farrington SM, Nicholl ID, Cetnarskyj R, Porteous ME, Campbell H, Dunlop MG., N Engl J Med. 2006 Jun 29;354(26):2751-63.</p> <p>- Association of MUTYH and colorectal cancer. Tenesa A, Campbell H, Barnetson R, Porteous M, Dunlop M, Farrington SM.,Br J Cancer. 2006 Jul 17;95(2):239-42. Epub 2006 Jun 27.</p> <p>- Prevalence of family history of colorectal cancer in the general population. Mitchell RJ, Campbell H, Farrington SM, Brewster DH, Porteous ME, Dunlop MG., Br J Surg. 2005 Sep;92(9):1161-4.</p> <p>- Germline susceptibility to colorectal cancer due to base-excision repair gene defects. Farrington SM, Tenesa A, Barnetson R, Wiltshire A, Prendergast J, Porteous M, Campbell H, Dunlop MG., Am J Hum Genet. 2005 Jul;77(1):112-9. Epub 2005 May 3.</p>	
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97	McLaughlin J	University of Manchester	Mechanisms of satiety	2002-5	<p>- Immune control of food intake: enteroendocrine cells are regulated by CD4+ T lymphocytes during small intestinal inflammation. McDermott JR, Leslie FC, D'Amato M, Thompson DG, Grecis RK, McLaughlin JT., Gut. 2006 Apr;55(4):492-7.</p> <p>- Multiple fatty acid sensing mechanisms operate in enteroendocrine cells: novel evidence for direct mobilization of stored calcium by cytosolic fatty acid. Hira T, Elliott AC, Thompson DG, Case RM, McLaughlin JT., J Biol Chem. 2004 Jun 18;279(25):26082-9. Epub 2004 Apr 5.</p> <p>- Cholecystokinin pathways modulate sensations induced by gastric distension in humans. Lal S, McLaughlin J, Barlow J, D'Amato M, Giacobelli G, Varro A, Dockray GJ, Thompson DG. Am J Physiol Gastrointest Liver Physiol. 2004 Jul;287(1):G72-9.</p> <p>- PACAP and gastrin regulate the histidine decarboxylase promoter via distinct mechanisms. McLaughlin JT, Ai W, Sinclair NF, Colucci R, Raychowdhury R, Koh TJ, Wang TC., Am J Physiol Gastrointest Liver Physiol. 2004 Jan;286(1):G51-9. Epub 2003 Jun 19</p>	Clarified mechanisms underlying gut response to fat intake and satiety ("feeling full")	Nutrition
98	Holt A	University of Birmingham	Stellate cells and liver fibrosis	2002-3	Liver myofibroblasts regulate infiltration and positioning of lymphocytes in human liver.	Clarified role of tissue cells (stellate cells) in development of cirrhosis	Liver

					Holt AP, Houghton EL, Lalor PF, Filer A, Buckley CD, Adams DH., Gastroenterology. 2009 Feb;136(2):705-14. doi: 10.1053/j.gastro.2008.10.020.		
99	Mahmood A	Imperial College London	Trefoil enemas in UC	2002-3	Trial of trefoil factor 3 enemas, in combination with oral 5-aminosalicylic acid, for the treatment of mild-to-moderate left-sided ulcerative colitis. Mahmood A, Melley L, Fitzgerald AJ, Ghosh S, Playford RJ., Aliment Pharmacol Ther. 2005 Jun 1;21(11):1357-64.	Useful negative trial of possible novel therapy for colitis	IBD
100	Onnie C	King's College London	Genetics of Crohn's disease	2003-4	Sequence variation, linkage disequilibrium and association with Crohn's disease on chromosome 5q31. Onnie C, Fisher SA, King K, Mirza M, Roberts R, Forbes A, Sanderson J, Lewis CM, Mathew CG., Genes Immun. 2006 Jul;7(5):359-65. Epub 2006 May 18	Added to knowledge of Crohn's disease genetics	IBD
101	Wallis K	Imperial College London	Short bowel syndrome	2003-4	Emerging treatment options for short bowel syndrome: potential role of teduglutide. Tee CT, Wallis K, Gabe SM., Clin Exp Gastroenterol. 2011;4:189-96. doi: 10.2147/CEG.S13906. Epub 2011 Aug 19.		Nutrition
102	Preston SL	Cancer Research UK, London	Colon epithelial stem cells and proliferation	2003-4	Bottom-up histogenesis of colorectal adenomas: origin in the monocryptal adenoma and initial expansion by crypt fission. Preston SL, Wong WM, Chan AO, Poulosom R, Jeffery R, Goodlad RA, Mandir N, Elia G, Novelli M, Bodmer WF, Tomlinson IP, Wright NA., Cancer Res. 2003 Jul 1;63(13):3819-25.	Key study addressing how colon cancer precursor originates	Colon cancer

103	Murphy J	University of Liverpool	Intracellular calcium and pancreatitis	2003-4	Fatty acid ethyl esters cause pancreatic calcium toxicity via inositol trisphosphate receptors and loss of ATP synthesis. Criddle DN, Murphy J, Fistetto G, Barrow S, Tepikin AV, Neoptolemos JP, Sutton R, Petersen OH., Gastroenterology. 2006 Mar;130(3):781-93.	Demonstration of how changes in intracellular calcium precipitate acute pancreatitis	Pancreatitis
104	Conaghan P	University of Oxford	Mab cancer therapy	2004-5	Targeted killing of colorectal cancer cell lines by a humanised IgG1 monoclonal antibody that binds to membrane-bound carcinoembryonic antigen. Conaghan P, Ashraf S, Tytherleigh M, Wilding J, Tchilian E, Bicknell D, Mortensen NJ, Bodmer W., Br J Cancer. 2008 Apr 8;98(7):1217-25. doi: 10.1038/sj.bjc.6604289.	Early study of possible new cancer therapy	Colon cancer
105	Grant A	University of Birmingham	Mechanisms of PSC	2004-5	<p>- Epithelial inflammation is associated with CCL28 production and the recruitment of regulatory T cells expressing CCR10. Eksteen B, Miles A, Curbishley SM, Tselepis C, Grant AJ, Walker LS, Adams DH., J Immunol. 2006 Jul 1;177(1):593-603.</p> <p>- Hepatic endothelial CCL25 mediates the recruitment of CCR9+ gut-homing lymphocytes to the liver in primary sclerosing cholangitis. Eksteen B, Grant AJ, Miles A, Curbishley SM, Lalor PF, Hübscher SG, Briskin M, Salmon M, Adams DH., J Exp Med. 2004 Dec 6;200(11):1511-7</p>	Characterised mechanism by which inflammation develops in biliary system in some patients with ulcerative colitis	Liver

106	Fowell A	University of Southampton	Metalloproteinases and liver fibrosis	2005-6	Silencing tissue inhibitors of metalloproteinases (TIMPs) with short interfering RNA reveals a role for TIMP-1 in hepatic stellate cell proliferation. Fowell AJ, Collins JE, Duncombe DR, Pickering JA, Rosenberg WM, Benyon RC., <i>Biochem Biophys Res Commun.</i> 2011 Apr 8;407(2):277-82. doi: 10.1016/j.bbrc.2011.02.009. Epub 2011 Feb 15.	Role of protease inhibitors in modulating liver fibrosis	Liver
107	Begum P	University of Manchester	Diabetic neuropathy and the gut	2005-6	Corneal confocal microscopy for the diagnosis of diabetic autonomic neuropathy. Tavakoli M, Begum P, McLaughlin J, Malik RA., <i>Muscle Nerve.</i> 2015 Sep;52(3):363-70.	Demonstrated values of eye examination for diagnosis of diabetic autonomic neuropathy that impacts on stomach and intestinal function	Upper GI/Diabetes
108	Lindley R	University of Oxford	Enteric nerves	2005-6	- Properties of secondary and tertiary human enteric nervous system neurospheres. Lindley RM, Hawcutt DB, Connell MG, Edgar DH, Kenny SE., <i>J Pediatr Surg.</i> 2009 Jun;44(6):1249-55; discussion 1255-6. doi: 10.1016/j.jpedsurg.2009.02.048. - Human and mouse enteric nervous system neurosphere transplants regulate the function of aganglionic embryonic distal colon. Lindley RM, Hawcutt DB, Connell MG, Almond SL, Vannucchi MG, Faussone-Pellegrini MS, Edgar DH, Kenny SE., <i>Gastroenterology.</i> 2008 Jul;135(1):205-216.e6. doi: 10.1053/j.gastro.2008.03.035. Epub 2008 Mar 22. Erratum in: <i>Gastroenterology.</i>	Described development of enteric (intestinal) nerves relevant to pain	Abdo pain

					2010 Feb;138(2):792. Almond, Sarah N [corrected to Almond, Sarah L]. - Characterisation and transplantation of enteric nervous system progenitor cells. Almond S, Lindley RM, Kenny SE, Connell MG, Edgar DH., Gut. 2007 Apr;56(4):489-96		
109	Jurkevic T	Queen Mary University, London	Pancreatic cancer biology	2006-7	S100P-binding protein, S100PBP, mediates adhesion through regulation of cathepsin Z in pancreatic cancer cells.Lines KE, Chelala C, Dmitrovic B, Wijesuriya N, Kocher HM, Marshall JF, Crnogorac-Jurcevic T., Am J Pathol. 2012 Apr;180(4):1485-94.	Mechanism of pancreatic cancer cell adhesion – a possible new therapeutic target	Pancreas cancer
110	Shetty S	University of Birmingham	Liver immunology	2006-7	Distinct roles for CCR4 and CXCR3 in the recruitment and positioning of regulatory T cells in the inflamed human liver. Oo YH, Weston CJ, Lalor PF, Curbishley SM, Withers DR, Reynolds GM, Shetty S, Harki J, Shaw JC, Eksteen B, Hubscher SG, Walker LS, Adams DH., J Immunol. 2010 Mar 15;184(6):2886-98	Characterised mechanisms of inflammation in the liver	Liver
111	Levison S	University of Manchester	Trichuris and colitis	2006-7	- Genetic analysis of the Trichuris muris-induced model of colitis reveals QTL overlap and a novel gene cluster for establishing colonic inflammation. Levison SE, Fisher P, Hankinson J, Zeef L, Eyre S, Ollier WE, McLaughlin JT, Brass A, Grecnis RK, Pennock JL., BMC Genomics. 2013 Feb 26;14:127. doi:	Parsite model for IBD	IBD

					10.1186/1471-2164-14-127. - Colonic transcriptional profiling in resistance and susceptibility to trichuriasis: phenotyping a chronic colitis and lessons for iatrogenic helminthosis. Levison SE, McLaughlin JT, Zeef LA, Fisher P, Grecis RK, Pennock JL., Inflamm Bowel Dis. 2010 Dec;16(12):2065-79. doi: 10.1002/ibd.21326.		
112	Hedin C	King's College London	Genetic microbiota interactions in IBD	2006-8	- Siblings of patients with Crohn's disease exhibit a biologically relevant dysbiosis in mucosal microbial metacommunities.Hedin C, van der Gast CJ, Rogers GB, Cuthbertson L, McCartney S, Stagg AJ, Lindsay JO, Whelan K. Gut. 2016 Jun;65(6):944-53 - Altered intestinal microbiota and blood T cell phenotype are shared by patients with Crohn's disease and their unaffected siblings.Hedin CR, McCarthy NE, Louis P, Farquharson FM, McCartney S, Taylor K, Prescott NJ, Murrells T, Stagg AJ, Whelan K, Lindsay JO. Gut. 2014 Oct;63(10):1578-86 -Probiotic and Prebiotic Use in Patients with Inflammatory Bowel Disease: A Case-Control Study. Hedin CRH, Mullard M, Sharratt E, Jansen C, Sanderson JD, Shirlaw P, Howe LC, Djemal S, Stagg AJ, Lindsay JO and Whelan K Inflammatory Bowel Diseases 2010 Dec; 16(12): 2099-108	Showned interactions between genes and microbiota, important to development of Crohn's disease and ulcerative colitis – also involved in two key studies showing lack of benefit from dietary fructans (a prebiotic) in Crohn's disease and mechanism of action of azathioprine	IBD/Nutrition

					<p>- Dietary intake of inulin-type fructans in active and inactive Crohn's disease and healthy controls: a case-control study. Anderson JL, Hedin CR, Benjamin JL, Koutsoumpas A, Ng SC, Hart AL, Forbes A, Stagg AJ, Lindsay JO, Whelan K. J Crohns Colitis. 2015 Nov;9(11):1024-31</p> <p>- Azathioprine therapy selectively ablates human Vδ2+ T cells in Crohn's disease. McCarthy NE, Hedin CR, Sanders TJ, Amon P, Hoti I, Ayada I, Bajji V, Giles EM, Wildemann M, Bashir Z, Whelan K, Sanderson I, Lindsay JO, Stagg AJ. J Clin Invest. 2015 Aug 3;125(8):3215-25.</p>		
113	Mukherjee R	University of Liverpool	Mechanisms of pancreatitis	2007-8	<p>- Reactive oxygen species induced by bile acid induce apoptosis and protect against necrosis in pancreatic acinar cells. Booth DM, Murphy JA, Mukherjee R, Awais M, Neoptolemos JP, Gerasimenko OV, Tepikin AV, Petersen OH, Sutton R, Criddle DN. Gastroenterology. 2011 Jun;140(7):2116-25. doi: 10.1053/j.gastro.2011.02.054. Epub 2011 Feb 24.</p> <p>- Mitochondrial injury in pancreatitis. Mukherjee R, Criddle DN, Gukovskaya A, Pandol S, Petersen OH, Sutton R., Cell Calcium. 2008 Jul;44(1):14-23. doi: 10.1016/j.ceca.2007.11.013. Epub 2008 Jan 18. Review. Erratum in: Cell Calcium.</p>	Elucidated mechanisms of damage in pancreatitis	Pancreatitis

					2008 Nov;44(5):520. Gukvoskaya, A [corrected to Gukovskaya, A].		
114	Brain O	University of Oxford	NOD2 and Crohn's	2007-8	<p>- The intracellular sensor NOD2 induces microRNA-29 expression in human dendritic cells to limit IL-23 release. Brain O, Owens BM, Pichulik T, Allan P, Khatamzas E, Leslie A, Steevels T, Sharma S, Mayer A, Catuneanu AM, Morton V, Sun MY, Jewell D, Coccia M, Harrison O, Maloy K, Schönfeldt S, Bornschein S, Liston A, Simmons A., Immunity. 2013 Sep 19;39(3):521-36. doi: 10.1016/j.immuni.2013.08.035.</p> <p>- NOD2-mediated autophagy and Crohn disease. Brain O, Allan P, Simmons A., Autophagy. 2010 Apr;6(3):412-4. Epub 2010 Apr 3.</p> <p>- NOD2 stimulation induces autophagy in dendritic cells influencing bacterial handling and antigen presentation. Cooney R, Baker J, Brain O, Danis B, Pichulik T, Allan P, Ferguson DJ, Campbell BJ, Jewell D, Simmons A., Nat Med. 2010 Jan;16(1):90-7. doi: 10.1038/nm.2069. Epub 2009 Dec 6.</p>	Improved understanding of how the key NOD2 gene changes impact on development of Crohn's disease	IBD

115	Cruickshank S	University of Manchester	Dendritic cells and gut response to parasites	2008-9	<p>- Rapid dendritic cell mobilization to the large intestinal epithelium is associated with resistance to <i>Trichuris muris</i> infection. Cruickshank SM, Deschoolmeester ML, Svensson M, Howell G, Bazakou A, Logunova L, Little MC, English N, Mack M, Grecnis RK, Else KJ, Carding SR., <i>J Immunol.</i> 2009 Mar 1;182(5):3055-62.</p> <p>- Characterization of colonic dendritic cells in normal and colitic mice. Cruickshank SM, English NR, Felsburg PJ, Carding SR., <i>World J Gastroenterol.</i> 2005 Oct 28;11(40):6338-47.</p> <p>- Colonic dendritic cells, intestinal inflammation, and T cell-mediated bone destruction are modulated by recombinant osteoprotegerin. Ashcroft AJ, Cruickshank SM, Croucher PI, Perry MJ, Rollinson S, Lippitt JM, Child JA, Dunstan C, Felsburg PJ, Morgan GJ, Carding SR. <i>Immunity.</i> 2003 Dec;19(6):849-61.</p>	Clarification of role of gut dendritic cells (specialize macrophages/tissue white blood cells) in inflammation and allergy	Gut immunology
116	Sanders D	Royal Hallamshire Hospital	Factors determining gastrostomy outcomes	2008-9	<p>- Albumin and patient age predict outcomes in patients referred for gastrostomy insertion: internal and external validation of the Sheffield Gastrostomy Score and comparison with artificial neural networks McAlindon ME, Grant J, Robson HE, Morley SR, James G, Hoeroldt B, Kapur K, Dear KL, Hensman J, Worden K, Sanders DS., <i>Gastrointest Endosc</i> 2011;74(5):1033-1039.</p>	Showed factors determining safety outcomes with feeding gastrostomy – subsequently incorporated into national guidelines	Nutrition

					<p>- Mortality in patients who receive or defer gastrostomies .Kurien M, Leeds JS, Robson HE, Grant J, Lee FKT, McAlindon ME, Sanders DS Clin Gastro Hepatol 2013;11(11):1445-50.</p>		
117	Williams AC	University of Bristol	Inflammatory cytokines and colon cancer development	2008-9	<p>- BAG-1 suppresses expression of the key regulatory cytokine transforming growth factor beta [TGF-β1] in colorectal tumour cells. Skeen VR, Collard TJ, Southern SL, Greenhough A, Hague A, Paul Townsend PA, Paraskeva C and Williams AC. Oncogene. 2012; 32(38):4490–4499.</p> <p>- TGF-β1 Signalling, Connecting Aberrant Inflammation and Colorectal Tumorigenesis. Skeen VR, Paterson I, Paraskeva C, Williams AC. Curr Pharm Des. 2012; 18(26): 3874-88</p>	<p>Showed influence of inflammatory cytokines on cancer development – led to subsequent Cancer Res UK Programme Grant</p>	Colon cancer

118	Knowles CH	Queen Mary University, London	Abdominal pain	2008-9	<p>- Human visceral afferent recordings: preliminary report. Peiris M, Bulmer D, Baker M, Boundouki G, Sinha S, Hobson A, Lee K, Aziz Q, Knowles CH. Gut 2011; 60: 204-8.</p> <p>- Multiple Roles for Na(V)1.9 in the Activation of Visceral Afferents by Noxious Inflammatory, Mechanical and Human Disease Derived Stimuli. Pain.Hockley JR, Boundouki G, Cibert-Goton V, McGuire C, Yip PK, Chan C, Tranter M, Wood JN, Nassar MA, Ashley Blackshaw L, Aziz Q, Michael GJ, Baker MD, Winchester WJ, Knowles CH, Bulmer DC 2014;155: 1962-75.</p> <p>- P2Y Receptors Sensitize Mouse and Human Colonic Nociceptors. Hockley JR, Tranter MM, McGuire C, Boundouki G, Cibert-Goton V, Thaha MA, Blackshaw LA, Michael GJ, Baker MD, Knowles CH, Winchester WJ, Bulmer DC. J Neurosci. 2016; 36:2364-76.</p> <p>- Ex vivo study of human visceral nociceptors McGuire C, Boundouki G, Hockley JRF, Reed D, Cibert-Goton V, Peiris M, Kung V, Broad J, Aziz Q, Chan C, Ahmed S, Thaha MA, Sanger GJ, Blackshaw LA, Knowles CH*, Bulmer DC*. Gut. 2018;67:86-96.</p>	Revealed potential therapeutic targets for treating abdominal pain	Pain / IBS
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					<p>- Visceral and somatic pain modalities reveal Na(V) 1.7-independent visceral nociceptive pathways Hockley JR, González-Cano R, McMurray S, Tejada-Giraldez MA, McGuire C, Torres A, Wilbrey AL, Cibert-Goton V, Nieto FR, Pitcher T, Knowles CH, Baeyens JM, Wood JN, Winchester WJ, Bulmer DC, Cendán CM, McMurray G.. J Physiol. 2017; 595:2661-2679.</p> <p>- Functional and anatomical deficits in visceral nociception with age: mechanism of silent appendicitis in the elderly? Cibert-Goton V, Kung VWS, McGuire C, Hockley JRF, Tranter MM, Dogra H, Belai A, Blackshaw LA, Sanger GJ, Knowles CH, Araujo EJA, Winchester WJ, Bulmer DC. Pain. 2019 Nov 25. doi: 10.1097/j.pain.0000000000001764. [Epub ahead of print].</p>		
119	Tozer P	Imperial College London	Crohn's fistulas	2008-9	<p>- Long-term MRI-guided combined anti-TNF-α and thiopurine therapy for Crohn's perianal fistulas. Tozer P, Ng SC, Siddiqui MR, Plamondon S, Burling D, Gupta A, Swatton A, Tripoli S, Vaizey CJ, Kamm MA, Phillips R, Hart A., Inflamm Bowel Dis. 2012 Oct;18(10):1825-34. doi: 10.1002/ibd.21940</p> <p>- What role do bacteria play in persisting</p>	Improved understanding of causation and management of fistulas in Crohn's disease	IBD

					fistula formation in idiopathic and Crohn's anal fistula? Tozer PJ, Rayment N, Hart AL, Daulatzai N, Muruganathan AU, Whelan K, Phillips RK., Colorectal Dis. 2015 Mar;17(3):235-41.		
120	Johnston R	Wolfson Digestive Diseases Centre, Nottingham	Fatty liver	2008-9	No difference between high-fructose and high-glucose diets on liver triacylglycerol or biochemistry in healthy overweight men. Johnston RD, Stephenson MC, Crossland H, Cordon SM, Palcidi E, Cox EF, Taylor MA, Aithal GP, Macdonald IA., Gastroenterology. 2013 Nov;145(5):1016-1025.e2.	Mechanism of fatty liver in obesity	Nutrition
121	McDonald S	St. Bartholemew's Hospital, London	Stem cells in colon	2008-9	- A methodological approach to tracing cell lineage in human epithelial tissues. Fellous TG, McDonald SA, Burkert J, Humphries A, Islam S, De-Alwis NM, Gutierrez-Gonzalez L, Tadrous PJ, Elia G, Kocher HM, Bhattacharya S, Mears L, El-Bahrawy M, Turnbull DM, Taylor RW, Greaves LC, Chinnery PF, Day CP, Wright NA, Alison MR., Stem Cells. 2009 Jun;27(6):1410-20. - Clonality assessment and clonal ordering of individual neoplastic crypts shows polyclonality of colorectal adenomas. Thirlwell C, Will OC, Domingo E, Graham TA, McDonald SA, Oukrif D, Jeffrey R, Gorman M, Rodriguez-Justo M, Chin-Aleong J, Clark SK, Novelli MR, Jankowski JA, Wright NA, Tomlinson IP,	Improved understanding of how stem cells work in the human colon	Colon Cancer

					<p>Leedham SJ.,Gastroenterology. 2010 Apr;138(4):1441-54, 1454.e1-7.</p> <p>- Use of methylation patterns to determine expansion of stem cell clones in human colon tissue.</p> <p>Graham TA, Humphries A, Sanders T, Rodriguez-Justo M, Tadrous PJ, Preston SL, Novelli MR, Leedham SJ, McDonald SA, Wright NA.,Gastroenterology. 2011 Apr 140(4):1241-1250.e1-9.</p>		
122	Zeki S	St. Bartholemew's Hospital, London	Stem cells in Barrett's	2008-9	<p>The stem cell organisation, and the proliferative and gene expression profile of Barrett's epithelium, replicates pyloric-type gastric glands.</p> <p>Lavery DL, Nicholson AM, Poulsom R, Jeffery R, Hussain A, Gay LJ, Jankowski JA, Zeki SS, Barr H, Harrison R, Going J, Kadirkamanathan S, Davis P, Underwood T, Novelli MR, Rodriguez-Justo M, Shepherd N, Jansen M, Wright NA, McDonald SA.,Gut. 2014 Dec;63(12):1854-63. doi: 10.1136/gutjnl-2013-306508.</p> <p>Clonal selection and persistence in dysplastic Barrett's esophagus and intramucosal cancers after failed radiofrequency ablation.</p> <p>Zeki SS, Haidry R, Graham TA, Rodriguez-Justo M, Novelli M, Hoare J, Dunn J, Wright NA, Lovat LB, McDonald SA., Am J Gastroenterol. 2013 Oct;108(10):1584-92.</p>	Clarified mechanisms of oesophageal (gullet) cancer development	Cancer

					<p>Crypt dysplasia in Barrett's oesophagus shows clonal identity between crypt and surface cells.</p> <p>Khan S, McDonald SA, Wright NA, Graham TA, Odze RD, Rodriguez-Justo M, Zeki S., J Pathol. 2013 Sep;231(1):98-104.</p>		
123	Kelly DA	Birmingham Children's Hospital	Psychological impact of liver transplant in children	2009-10	<p>- 'It's hard but you've just gotta get on with it'--The experiences of growing-up with a liver transplant.</p> <p>Wright J, Elwell L, McDonagh JE, Kelly DA, Wray J., Psychol Health. 2015;30(10):1129-45.</p> <p>- "Are these adult doctors gonna know me?" Experiences of transition for young people with a liver transplant.</p> <p>Wright J, Elwell L, McDonagh JE, Kelly DA, Wray J., Pediatr Transplant. 2016 Nov;20(7):912-920.</p> <p>- Parents in transition: Experiences of parents of young people with a liver transplant transferring to adult services.</p> <p>Wright J, Elwell L, McDonagh JE, Kelly DA, Wray J., Pediatr Transplant. 2017 Feb;21(1). doi: 10.1111/ptr.12760.</p>	Psychological impacts of liver transplant in children	Pediatric liver disease
124	Sanderson I	St. Bartholemew	Anaemia in IBD	2009-10	<p>Prevalence and management of anemia in children, adolescents, and adults with inflammatory bowel disease.</p>	Clarified increased risk of anaemia in young people	IBD

		's Hospital, London			Goodhand JR, Kamperidis N, Rao A, Laskaratos F, McDermott A, Wahed M, Naik S, Croft NM, Lindsay JO, Sanderson IR, Rampton DS., Inflamm Bowel Dis. 2012 Mar;18(3):513-9. doi: 10.1002/ibd.21740.	with inflammatory bowel disease	
125	Lees C	Western General Hospital, Edinburgh	NOD2 and microbiota	2009-10	The Impact of NOD2 Variants on Fecal Microbiota in Crohn's Disease and Controls Without Gastrointestinal Disease. Kennedy NA, Lamb CA, Berry SH, Walker AW, Mansfield J, Parkes M, Simpkins R, Tremelling M, Nutland S; UK IBD Genetics Consortium, Parkhill J, Probert C, Hold GL, Lees CW., Inflamm Bowel Dis. 2018 Feb 15;24(3):583-592.	Clairified interaction between Crohn's-related NOD2 gene and microbiota	IBD
126	Drakesmith AH	University of Oxford	Novel anti-virals	2011-12	Antiviral activity of bone morphogenetic proteins and activins. Eddowes LA, Al-Hourani K, Ramamurthy N, Frankish J, Baddock HT, Sandor C, Ryan JD, Fusco DN, Arezes J, Giannoulatou E, Boninsegna S, Chevaliez S, Owens BMJ, Sun CC, Fabris P, Giordani MT, Martines D, Vukicevic S, Crowe J, Lin HY, Rehwinkel J, McHugh PJ, Binder M, Babitt JL, Chung RT, Lawless MW, Armitage AE, Webber C, Klenerman P, Drakesmith H., Nat Microbiol. 2019 Feb;4(2):339-351. doi: 10.1038/s41564-018-0301-9. Epub 2018 Dec 3.	Discovery of novel anti-virals	Anti-virals (general)
127	Tewari N	University of Nottingham	Impact of obesity on recovery after surgery	2011-12	Postoperative inflammation and insulin resistance in relation to body composition, adiposity and carbohydrate treatment: A randomised controlled study.	Showed impact of obesity on insulin resistance and recovery after surgery	Nutrition

					Tewari N, Awad S, Duška F, Williams JP, Bennett A, Macdonald IA, Lobo DN., Clin Nutr. 2019 Feb;38(1):204-212. doi: 10.1016/j.clnu.2018.01.032. Epub 2018 Feb 15		
128	Syn W-K	University of Birmingham	Osteopontin and liver fibrosis	2011-13	<p>- NKT-associated hedgehog and osteopontin drive fibrogenesis in non-alcoholic fatty liver disease. Syn WK, Agboola KM, Swiderska M, Michelotti GA, Liaskou E, Pang H, Xie G, Philips G, Chan IS, Karaca GF, Pereira Tde A, Chen Y, Mi Z, Kuo PC, Choi SS, Guy CD, Abdelmalek MF, Diehl AM., Gut. 2012 Sep;61(9):1323-9. doi: 10.1136/gutjnl-2011-301857.</p> <p>- Osteopontin neutralisation abrogates the liver progenitor cell response and fibrogenesis in mice. Coombes JD, Swiderska-Syn M, Dollé L, Reid D, Eksteen B, Claridge L, Briones-Orta MA, Shetty S, Oo YH, Riva A, Chokshi S, Papa S, Mi Z, Kuo PC, Williams R, Canbay A, Adams DH, Diehl AM, van Grunsven LA, Choi SS, Syn WK., Gut. 2015 Jul;64(7):1120-31. doi: 10.1136/gutjnl-2013-306484.</p> <p>- Osteopontin is up-regulated in chronic hepatitis C and is associated with cellular permissiveness for hepatitis C virus replication. Choi SS, Claridge LC, Jhaveri R, Swiderska-Syn M, Clark P, Suzuki A, Pereira TA, Mi Z, Kuo PC, Guy CD, Pereira FE, Diehl AM, Patel K, Syn WK.</p>	Clarified mechanism underlying liver fibrosis	Liver

				<p>Clin Sci (Lond). 2014 Jun;126(12):845-55.</p> <p>- Osteopontin is a proximal effector of leptin-mediated non-alcoholic steatohepatitis (NASH) fibrosis. Coombes JD, Choi SS, Swiderska-Syn M, Manka P, Reid DT, Palma E, Briones-Orta MA, Xie G, Younis R, Kitamura N, Della Peruta M, Bitencourt S, Dollé L, Oo YH, Mi Z, Kuo PC, Williams R, Chokshi S, Canbay A, Claridge LC, Eksteen B, Diehl AM, Syn WK., Biochim Biophys Acta. 2016 Jan;1862(1):135-44. doi: 10.1016/j.bbadis.2015.10.028. Epub 2015 Oct 31.</p> <p>- Schistosome-induced cholangiocyte proliferation and osteopontin secretion correlate with fibrosis and portal hypertension in human and murine schistosomiasis mansoni. Pereira TA, Syn WK, Machado MV, Vidigal PV, Resende V, Voieta I, Xie G, Otoni A, Souza MM, Santos ET, Chan IS, Trindade GV, Choi SS, Witek RP, Pereira FE, Secor WE, Andrade ZA, Lambertucci JR, Diehl AM., Clin Sci (Lond). 2015 Nov;129(10):875-83. doi: 10.1042/CS20150117. Epub 2015 Jul 21.</p>		
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129	Javed MA	Royal Liverpool University Hospital	Targets for therapy in acute pancreatitis	2011-14	<p>- TRO40303 Reduces Fatty Acid Ethyl ester-induced Mitochondrial Injury and Necrotic cell Death, Ameliorating Severity in Alcohol-induced Pancreatitis - Pancreas. 2018 Jan;47(1):18-24.</p> <p>- Small Molecule Inhibitors of Cyclophilin D To Protect Mitochondrial Function as a Potential Treatment for Acute Pancreatitis - J Med Chem. 2016 Mar 24;59(6):2596-611.</p> <p>- Mechanism of mitochondrial permeability transition pore induction and damage in the pancreas: inhibition prevents acute pancreatitis by protecting production of ATP - Gut. 2015;65(8):1333-1346</p>	Identified possible targets for novel therapies in acute pancreatitis	Pancreatitis
130	Brookes MJ	University of Birmingham	Iron and colon cancer	2012-13	<p>Luminal iron levels govern intestinal tumorigenesis after Apc loss in vivo. Radulescu S, Brookes MJ, Salgueiro P, Ridgway RA, McGhee E, Anderson K, Ford SJ, Stones DH, Iqbal TH, Tselepis C, Sansom OJ., Cell Rep. 2012 Aug 30;2(2):270-82. doi: 10.1016/j.celrep.2012.07.003. Epub 2012 Aug 9.</p>	Showed how iron may impact on colon cancer development	Colon Cancer

131	West J	University of Nottingham	Epidemiology of coeliac disease	2012-14	<p>- Incidence and prevalence of celiac disease and dermatitis herpetiformis in the UK over two decades: population-based study. West J, Fleming KM, Tata LJ, Card TR, Crooks CJ., Am J Gastroenterol. 2014 May;109(5):757-68. doi: 10.1038/ajg.2014.55. Epub 2014 Mar 25.</p> <p>- Socioeconomic variation in the incidence of childhood coeliac disease in the UK. Zingone F, West J, Crooks CJ, Fleming KM, Card TR, Ciacci C, Tata LJ., Arch Dis Child. 2015 May;100(5):466-73. doi: 10.1136/archdischild-2014-307105. Epub 2015 Jan 22.</p> <p>- Causes of death in people with coeliac disease in England compared with the general population: a competing risk analysis. Abdul Sultan A, Crooks CJ, Card T, Tata LJ, Fleming KM, West J., Gut. 2015 Aug;64(8):1220-6. doi: 10.1136/gutjnl-2014-308285. Epub 2014 Oct 24.</p> <p>- Limited risks of major congenital anomalies in children of mothers with coeliac disease: a population-based cohort study. Ban L, West J, Abdul Sultan A, Dhalwani NN, Ludvigsson JF, Tata LJ., BJOG. 2015 Dec;122(13):1833-41. doi: 10.1111/1471-0528.13102. Epub 2014 Oct 7.</p>	Key studies demonstrating the 4-fold increase in incidence of coeliac disease in the UK over past 20 years	Coeliac disease
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132	Ahmad T	Royal Devon and Exeter Hospital	Factors determining response to therapy in IBD	2012-16	<p>- Predictors of anti-TNF treatment failure in anti-TNF-naive patients with active luminal Crohn's disease: a prospective, multicentre, cohort study., Kennedy N et al., Lancet Gastroenterol Hepatol. 2019 May;4(5):341-353. doi: 10.1016/S2468-1253(19)30012-3. Epub 2019 Feb 27. PubMed PMID: 30824404.</p> <p>- HLA-DQA1*05 Carriage Associated With Development of Anti-Drug Antibodies to Infliximab and Adalimumab in Patients with Crohn's Disease., Sazonovs A et al, Gastroenterology 2019 Oct 7. pii: S0016-5085(19)41414-5. doi: 10.1053/j.gastro.2019.09.041. [Epub ahead of print]</p>	Crucial studies which have helped drive the introduction of therapeutic drug monitoring in Crohn's disease and ulcerative colitis into widespread clinical practice leading to substantially improved response to therapy	IBD
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133	Ragunath K	University of Nottingham	Endoscopic detection of oesoph disease	2013-16	<p>- Effects of autofluorescence imaging on detection and treatment of early neoplasia in patients with Barrett's esophagus. Boerwinkel DF, Holz JA, Kara MA, Meijer SL, Wallace MB, Wong Kee Song LM, Ragunath K, Wolfsen HC, Iyer PG, Wang KK, Weusten BL, Aalders MC, Curvers WL, Bergman JJ., Clin Gastroenterol Hepatol. 2014 May;12(5):774-81.</p> <p>- The combination of autofluorescence endoscopy and molecular biomarkers is a novel diagnostic tool for dysplasia in Barrett's oesophagus. di Pietro M, Boerwinkel DF, Shariff MK, Liu X, Telakis E, Lao-Sirieix P, Walker E, Couch G, Mills L, Nuckcheddy-Grant T, Slininger S, O'Donovan M, Visser M, Meijer SL, Kaye PV, Wernisch L, Ragunath K, Bergman JJ, Fitzgerald RC., Gut. 2015 Jan;64(1):49-56. doi: 10.1136/gutjnl-2013-305975</p> <p>- A randomized comparative effectiveness trial of novel endoscopic techniques and approaches for Barrett's esophagus screening in the community. Sami SS, Dunagan KT, Johnson ML, Schleck CD, Shah ND, Zinsmeister AR, Wongkeesong LM, Wang KK, Katzka DA, Ragunath K, Iyer PG., Am J Gastroenterol. 2015 Jan;110(1):148-58. doi: 10.1038/ajg.2014.362. Epub 2014 Dec 9.</p>	Improved techniques for endoscopic diagnosis of oesophageal (gullet) disease	Endoscopy/oesophageal disease
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					<p>- High definition versus standard definition white light endoscopy for detecting dysplasia in patients with Barrett's esophagus. Sami SS, Subramanian V, Butt WM, Bejkar G, Coleman J, Mannath J, Ragunath K., Dis Esophagus. 2015 Nov-Dec;28(8):742-9. doi: 10.1111/dote.12283.</p> <p>- The detection of oesophageal varices using a novel, disposable, probe-based transnasal endoscope: a prospective diagnostic pilot study. Sami SS, Ragunath K, Wilkes EA, James M, Mansilla-Vivar R, Ortiz-Fernández-Sordo J, White J, Khanna A, Coletta M, Samuel S, Aithal GP, Guha IN., Liver Int. 2016 Nov;36(11):1639-1648. doi: 10.1111/liv.13152.</p>		
134	Dhawan A	King's College Hospital	Metabolism in children before and after liver transplant	2013-17	Resting Energy Expenditure of Children with End Stage Chronic Liver Disease Before and After Liver Transplantation Kyrana E, Williams JE, Wells JC, Dhawan A., J Pediatr Gastroenterol Nutr. 2019 Mar 18.	Showed improvement in energy metabolism in children following liver transplantation	Liver failure
135	Riches P	Western General Hospital, Edinburgh	Osteoporosis in coeliac	2013-16	Characterisation of osteoprotegerin autoantibodies in coeliac disease. Real A, Gilbert N, Hauser B, Kennedy N, Shand A, Gillett H, Gillett P, Goddard C, Cebolla Á, Sousa C, Fraser WD, Satsangi J, Ralston SH, Riches PL., Calcif Tissue Int. 2015 Aug;97(2):125-33. doi: 10.1007/s00223-015-0023-4.	Mechanism for bone-thinning in coeliac disease	Nutrition

136	Itzhaki LS	University of Cambridge	Liver cancer biology	2014-15	<p>- Discovery of a small-molecule binder of the oncoprotein gankyrin that modulates gankyrin activity in the cell. Chattopadhyay A, O'Connor CJ, Zhang F, Galvagnion C, Galloway WR, Tan YS, Stokes JE, Rahman T, Verma C, Spring DR, Itzhaki LS., Sci Rep. 2016 Apr 5;6:23732. doi: 10.1038/srep23732.</p> <p>- Effects of ligand binding on the mechanical properties of ankyrin repeat protein gankyrin. Settanni G, Serquera D, Marszalek PE, Paci E, Itzhaki LS., PLoS Comput Biol. 2013;9(1):e1002864. doi: 10.1371/journal.pcbi.1002864. Epub 2013 Jan 17.</p>	Characterisation of an intracellular protein relevant to liver cancer	Liver cancer
137	Palaniyappan N	University of Nottingham	Non-invasive assessment of portal hypertension	2014-15	<p>Non-invasive assessment of portal hypertension using quantitative magnetic resonance imaging. Palaniyappan N1, Cox E2, Bradley C2, Scott R1, Austin A3, O'Neill R4, Ramjas G4, Travis S4, White H4, Singh R3, Thurley P3, Guha IN1, Francis S2, Aithal GP5.J, Hepatol. 2016 Dec;65(6):1131-1139. doi: 10.1016/j.jhep.2016.07.021. Epub 2016 Jul 27.</p>	Important demonstration of non-invasive assessment of high portal vein pressure (responsible for life-threatening intestinal bleeding and ascites in patients with cirrhosis)	Liver disease
138	Moran G	University of Nottingham	Muscle function in Crohn's disease	2014-15	<p>Reduced skeletal muscle protein balance in paediatric Crohn's disease., Davies A, Nixon A, Muhammed R, Tsintzas K, Kirkham S, Stephens FB, Moran GW., Clinical Nutrition. 2019 May 25. pii: S0261-5614(19)30228-6</p>	Muscle wasting an important issue in children with Crohn's disease	IBD/Nutrition

139	Loui-Auguste J	Queen Mary University, London	Mechanisms of enteropathy in Africa	2014-7	<p>- Tryptophan, glutamine, leucine, and micronutrient supplementation improves environmental enteropathy in Zambian adults: a randomized controlled trial. Louis-Auguste J, Besa E, Zyambo K, Munkombwe D, Banda R, Banda T, Watson A, Mayneris-Perxachs J, Swann J, Kelly P., Am J Clin Nutr. 2019 Nov 1;110(5):1240-1252. doi: 10.1093/ajcn/nqz189.</p> <p>- Characterizing the metabolic phenotype of intestinal villus blunting in Zambian children with severe acute malnutrition and persistent diarrhea. Farràs M, Chandwe K, Mayneris-Perxachs J, Amadi B, Louis-Auguste J, Besa E, Zyambo K, Guerrant R, Kelly P, Swann JR., PLoS One. 2018 Mar 2;13(3):e0192092. doi: 10.1371/journal.pone.0192092. eCollection 2018. Erratum in: PLoS One. 2018 May 1;13(5):e0196934.</p> <p>- Impaired Barrier Function and Autoantibody Generation in Malnutrition Enteropathy in Zambia. Amadi B, Besa E, Zyambo K, Kaonga P, Louis-Auguste J, Chandwe K, Tarr PI, Denno DM, Nataro JP, Faubion W, Sailer A, Yeruva S, Brantner T, Murray J, Prendergast AJ, Turner JR, Kelly P., EBioMedicine. 2017 Aug;22:191-199. doi: 10.1016/j.ebiom.2017.07.017. Epub 2017 Jul 19.</p>	Mechanisms of intestinal damage in Zambia	Nutrition
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					<p>- Endomicroscopic and Transcriptomic Analysis of Impaired Barrier Function and Malabsorption in Environmental Enteropathy.</p> <p>Kelly P, Besa E, Zyambo K, Louis-Auguste J, Lees J, Banda T, Soko R, Banda R, Amadi B, Watson A., PLoS Negl Trop Dis. 2016 Apr 6;10(4):e0004600. doi:</p>		
140	Burkitt M	University of Liverpool	H pylori and gastric cancer	2014-5	<p>Comparison of the human gastric microbiota in hypochlorhydric states arising as a result of Helicobacter pylori-induced atrophic gastritis, autoimmune atrophic gastritis and proton pump inhibitor use.</p> <p>Parsons BN, Ijaz UZ, D'Amore R, Burkitt MD, Eccles R, Lenzi L, Duckworth CA, Moore AR, Tiszlavicz L, Varro A, Hall N, Pritchard DM., PLoS Pathog. 2017 Nov 2;13(11):e1006653.</p>	Explanation of mechanism of H pylori-induced stomach cancer	Stomach cancer

141	Henderson N	University of Edinburgh	Liver fibrosis	2015-18	<p>- CD248/endosialin critically regulates hepatic stellate cell proliferation during chronic liver injury via a PDGF-regulated mechanism., Wilhelm A, Aldridge V, Haldar D, Naylor AJ, Weston CJ, Hedegaard D, Garg A, Fear J, Reynolds GM, Croft AP, Henderson NC, Buckley CD, Newsome PN., Gut. 2016 Jul;65(7):1175-85. doi: 10.1136/gutjnl-2014-308325</p> <p>- PAK proteins and YAP-1 signalling downstream of integrin beta-1 in myofibroblasts promote liver fibrosis. Martin K, Pritchett J, Llewellyn J, Mullan AF, Athwal VS, Dobie R, Harvey E, Zeef L, Farrow S, Streuli C, Henderson NC, Friedman SL, Hanley NA, Piper Hanley K., Nat Commun. 2016 Aug 18;7:12502. doi: 10.1038/ncomms12502.</p> <p>- Sphingosine-1-Phosphate Prevents Egress of Hematopoietic Stem Cells From Liver to Reduce Fibrosis.King A, Houlihan DD, Kavanagh D, Haldar D, Luu N, Owen A, Suresh S, Than NN, Reynolds G, Penny J, Sumption H, Ramachandran P, Henderson NC, Kalia N, Frampton J, Adams DH, Newsome PN.,Gastroenterology. 2017 Jul;153(1):233-248.e16. doi: 10.1053/j.gastro.2017.03.022</p> <p>- 11Beta-hydroxysteroid dehydrogenase-1 deficiency or inhibition enhances hepatic myofibroblast activation in murine</p>	Groundbreaking series of studies clarifying mechanisms of fibrosis in development of cirrhosis	Liver
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				<p>M, Marwick JA, Taylor RS, Efremova M, Vento-Tormo R, Carragher NO, Kendall TJ, Fallowfield JA, Harrison EM, Mole DJ, Wigmore SJ, Newsome PN, Weston CJ, Iredale JP, Tacke F, Pollard JW, Ponting CP, Marioni JC, Teichmann SA, Henderson NC., Nature. 2019 Nov;575(7783):512-518. doi: 10.1038/s41586-019-1631-3. Epub 2019 Oct 9.</p> <p>- Single-Cell Transcriptomics Uncovers Zonation of Function in the Mesenchyme during Liver Fibrosis., Dobie R, Wilson-Kanamori JR, Henderson BEP, Smith JR, Matchett KP, Portman JR, Wallenborg K, Picelli S, Zagorska A, Pendem SV, Hudson TE, Wu MM, Budas GR, Breckenridge DG, Harrison EM, Mole DJ, Wigmore SJ, Ramachandran P, Ponting CP, Teichmann SA, Marioni JC, Henderson NC., Cell Rep. 2019 Nov 12;29(7):1832-1847.e8. doi: 10.1016/j.celrep.2019.10.024.</p>		
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142	Hayes A	University of Edinburgh	Pancreatitis	2014-17	<p>- Increased levels of 3-hydroxykynurenine parallel disease severity in human acute pancreatitis. Skouras C, Zheng X, Binnie M, Homer NZ, Murray TB, Robertson D, Briody L, Paterson F, Spence H, Derr L, Hayes AJ, Tsoumanis A, Lyster D, Parks RW, Garden OJ, Iredale JP, Uings IJ, Liddle J, Wright WL, Dukes G, Webster SP, Mole DJ., Sci Rep. 2016 Sep 27;6:33951. doi: 10.1038/srep33951.</p> <p>- Early organ dysfunction affects long-term survival in acute pancreatitis patients. Skouras C, Hayes AJ, Williams L, Garden OJ, Parks RW, Mole DJ., HPB (Oxford). 2014 Sep;16(9):789-96. doi: 10.1111/hpb.12259. Epub 2014 Apr 9</p>	Identified factors determining severity of pancreatitis	Pancreatitis
143	Wilson DC	University of Edinburgh	Factors determining risk of pediatric IBD	2016-7	<p>Inherited determinants of Crohn's disease and ulcerative colitis phenotypes: a genetic association study. Cleyne I, Boucher G, Jostins L, Schumm LP, Zeissig S, Ahmad T, Andersen V, Andrews JM, Annesse V, Brand S, Brant SR, Cho JH, Daly MJ, Dubinsky M, Duerr RH, Ferguson LR, Franke A, Geary RB, Goyette P, Hakonarson H, Halfvarson J, Hov JR, Huang H, Kennedy NA, Kupcinskis L, Lawrance IC, Lee JC, Satsangi J, Schreiber S, Théâtre E, van der Meulende Jong AE, Weersma RK, Wilson DC; International Inflammatory Bowel Disease Genetics Consortium, Parkes M, Vermeire S, Rioux JD, Mansfield J,</p>	Important collaborative study showing factors that determine risk for inflammatory bowel disease	IBD

					Silverberg MS, Radford-Smith G, McGovern DP, Barrett JC, Lees CW., Lancet. 2016 Jan 9;387(10014):156-67. doi: 10.1016/S0140-6736(15)00465-1. Epub 2015 Oct 18.		
144	Lee L	Western General Hospital, Edinburgh	Predictors of colon cancer prognosis	2016-7	Impact of Tumor Deposits on Oncologic Outcomes in Stage III Colon Cancer. Wong-Chong N, Motl J, Hwang G, Nassif GJ Jr, Albert MR, Monson JRT, Lee L., Dis Colon Rectum. 2018 Sep;61(9):1043-1052. doi: 10.1097/DCR.0000000000001152	Large study demonstrating impact of cancer biology on risk for metastatic spread	Colon cancer