

PROFESSOR QASIM AZIZ

PERSONAL INFORMATION

Name: Qasim Aziz
Work Address: Wingate Neurogastroenterology Institute
 26 Ashfield Street
 London E1 2AJ
Qualifications: 1990 M.R.C.P. (U.K),
 1996 Ph.D. (University of Manchester, UK).
 2002 F.R.C.P. (U.K.)

RESEARCH PRIZES

1. American Gastroenterology Association, Janssen Award in Basic Science and Clinical Research, 2000.
2. British Society of Gastroenterology, Sir Francis Avery Jones, Research Gold Medal, 1998.
3. Functional Brain – Gut Group, American Gastroenterology Association, Young Investigator Award. 1998

BRIEF CLINICAL RESUME

1. June 1998 - 2002 Medical Research Council, Clinician Scientist Fellowship. Institute of Psychiatry, London. Senior Lecturer, Manchester University. Honorary Consultant Gastroenterologist, Hope Hospital Salford.
2. June 2002 – September 2004 Senior Lecturer, Manchester University/Honorary Consultant Gastroenterologist, Hope Hospital Salford.
3. October 2004 – December 2006 Professor of Gastroenterology, Manchester University/Honorary Consultant Gastroenterologist, Hope Hospital Salford.

CURRENT EMPLOYMENT:

4. December 2006 – present: Professor of Neurogastroenterology, Wingate Institute of Neurogastroenterology, Barts and the London School of Medicine and Dentistry, Queen Mary College, University of London UK.

KEY GRANTS IN LAST 6 YEARS: *I was MRC Clinician Scientist between 1998-2002 and held the MRC Development Grant from 2004-2008.*

1. ONO pharma clinical trial: PI Double blind randomised study to assess whether ONO-8539 is able to reduce oesophageal pain threshold following electrical stimulation of the oesophagus in healthy subjects. £500,000 2013-2014
2. ONO pharma clinical trial: Co-PI. Double blind randomised study to assess whether ONO-8539 is able to reduce oesophageal hypersensitivity in NERD patients. £500,000 2013-2015.
3. NeuroGut— European Training in Neural Regulation of Intestinal Function; FP7-PEOPLE-2013-ITN. Marie Curie Actions— Initial Training Networks (ITN). Co PI for UK (Total funding €3.6M). 2014-2017
4. Ehlers-Danlos Support UK. Salary Support for Research Nurse. £42,500. 2015-2018
5. Henry Smith Charity. Tenascin X – the link between Ehlers Danlos Syndrome and Bowel Dysfunction. Co-PI - £138,217. 2016-2018
6. Pain Relief Foundation. A Prospective, randomised study of PARAsympathetic modulation with slow deep breathing for the management of oesophageal pan hypersensitivity in Non o Erosive Reflux Disease. £29,969. 2017-2018
7. National Institute of Health Research (NIHR) – Efficacy Mechanism Evaluation Grant: A randomised, placebo controlled trial to determine the efficacy and mode of action of ondansetron in the treatment of irritable bowel syndrome with diarrhea. Co-PI (Total funding: £2,323,053.94). 2017-2020
8. National Institute of Health Research (NIHR)-Programme Grant: Living well with inflammatory bowel disease: optimising management of symptoms of fatigue, abdominal pain, and faecal urgency/incontinence via tailored online self-management: the IBD-BOOST programme. Co-PI (Total funding: £2.23M): 2017-2022
9. Bart Charity: PhD studentship : Parasympathetic modulation of oesophageal pain hypersensitivity: Supervisor: £50K. 2017-2018
10. The Harold Hyam Wingate Foundation. Clinical Trials Unit at Wingate Institute of Neurogastroenterology. £60,000. 2018-2020
11. EU - Innovative Medicines Initiative: PAIN CARE: Translational Research in Pelvic Pain: co-PI: Euro 2.8M: 2018-2022
12. Bowel and Cancer Research. PhD Studentship. Comparison of pathophysiology IBS in patients with and without IBS. PI. £75K. 2018-2020.
13. Barts Charity: Brain gut axis in motor neuron disease. £50,000. 2019-2020
14. Crohns and Colitis UK: Mechanism of abdominal pain in IBD: £125k. 2020-2022
15. Ehlers Danlos Society UK: Dietary intervention in EDS. £203K: 2020-2022

SUPERVISION OF RESEARCH STUDENTS: In the last 5 years I have supervised 5 PhD students, all have Submitted and have been awarded. I am currently supervising 3 PhD students.

SUMMARY OF EXPERTISE AND EXPERIENCE: I have previously been a Medical Research Council (MRC) Clinician Scientist and have held the MRC Career Development Award until 2008. My research interests are focused on understanding the neurophysiological basis of human gut sensory and motor function in health and disease and I have pioneered the use of a number of neurophysiological techniques to study the human brain gut axis. I have established human models of peripheral and central sensitization and identified healthy human and patient psychophysiological profiles that are more susceptible to pain. I have published in Nature Medicine, Nature Neuroscience, Lancet and Gastroenterology.

SELECTED SCIENTIFIC PUBLICATIONS

I have published over 250 original and review articles and have the following citation index:

	All	Since 2016
<u>Citations</u>	23712	10498
<u>h-index</u>	67	48

1. Van Oudenhove L, Kragel PA, Dupont P, Ly HG, Pazmany E, Enzlin P, Rubio A, Delon-Martin C, Bonaz B, Aziz Q, Tack J, Fukudo S, Kano M, Wager TD. Common and distinct neural representations of aversive somatic and visceral stimulation in healthy individuals. *Nat Commun.* 2020 Nov 23;11(1):5939. doi: 10.1038/s41467-020-19688-8. PMID: 33230131;
2. Farmer AD, Albusoda A, Amarasinghe G, Ruffle JK, Fitzke HE, Idrees R, Fried R, Brock C, Aziz Q. Transcutaneous vagus nerve stimulation prevents the development of, and reverses, established oesophageal pain hypersensitivity. *Aliment Pharmacol Ther.* 2020 Sep;52(6):988-996. doi: 10.1111/apt.15869. Epub 2020 Aug 7. PMID: 32767824.
3. Mogilevski T, Burgell R, Aziz Q, Gibson PR. The role of the autonomic nervous system in the pathogenesis and therapy of IBD. *Aliment Pharmacol Ther.* 2019 Oct;50(7):720-737. doi: 10.1111/apt.15433. Epub 2019 Aug 16. PubMed PMID: 31418887.
4. Aziz Q, Giamberardino MA, Barke A, Korwisi B, Baranowski AP, Wesselmann U, Rief W, Treede RD; IASP Taskforce for the Classification of Chronic Pain. The IASP classification of chronic pain for ICD-11: chronic secondary visceral pain. *Pain.* 2019 Jan;160(1):69-76. doi: 10.1097/j.pain.0000000000001362. Review.
5. Albusoda A, Ruffle JK, Friis KA, Gysan MR, Drewes AM, Aziz Q, Farmer AD. Systematic review with meta-analysis: conditioned pain modulation in patients with the irritable bowel syndrome. *Aliment Pharmacol Ther.* 2018 Oct;48(8):797-806. doi: 10.1111/apt.14965. Epub 2018 Sep 11. PubMed PMID: 30206948.
6. Ruffle JK, Coen SJ, Giampietro V, Williams SCR, Aziz Q, Farmer AD. Preliminary report: parasympathetic tone links to functional brain networks during the anticipation and experience of visceral pain. *Sci Rep.* 2018 Sep 7;8(1):13410. doi: 10.1038/s41598-018-31522-2. PubMed PMID: 30194351; PubMed Central PMCID: PMC6128833.
7. Ruffle JK, Coen SJ, Giampietro V, Williams SCR, Apkarian AV, Farmer AD, Aziz Q. Morphology of subcortical brain nuclei is associated with autonomic function in healthy humans. *Hum Brain Mapp.* 2018 Jan;39(1):381-392. doi: 10.1002/hbm.23850. Epub 2017 Oct 28. PubMed PMID: 29080228.
8. Qasim Aziz , Ronnie Fass , C Prakash Gyawali , Hiroto Miwa , John E Pandolfino , Frank Zerbib . Functional Esophageal Disorders. *Gastroenterology* 2016 Feb 15;S0016-5085(16)00178-5. doi: 10.1053/j.gastro.2016.02.012.
9. Botha C, Farmer AD, Nilsson M, Brock C, Gavrila AD, Drewes AM, Knowles CH, Aziz Q. Modulation of parasympathetic nervous system tone influences oesophageal pain hypersensitivity. *Gut.* 2015 Apr;64(4):611-7. doi: 10.1136/gutjnl-2013-306698. Epub 2014 May 28. PMID: 24870622.
10. Farmer AD, Coen SJ, Kano M, Paine PA, Shwahdi M, Jafari J, Kishor J, Worthen SF, Rossiter HE, Kumari V, Williams SC, Brammer M, Giampietro VP, Droney J, Riley J, Furlong PL, Knowles CH, Lightman SL, Aziz Q. Psychophysiological responses to pain identify reproducible human clusters. *Pain.* 2013 Nov;154(11):2266-76. doi: 10.1016/j.pain.2013.05.016.