**Imran Haq, PhD, FHEA, MRSB**

Address: 19 Terlings Avenue, Gilston, Hertfordshire, CM20 2FN

E-mail: ihaq82@gmail.com Tel: +44 (0)752 5825455 Citizenship: British

LinkedIn Profile: uk.linkedin.com/in/drimranhaq

**EMPLOYMENT**

**KingMaker Consultants Limited** 2016 - Current

Managing Director (Technical Consultancy)

* Sales and marketing has resulted in securing HIV therapeutic development project (approximately £120,000 in value).
* Designed and managing programme of research to deliver said compound.

**Cellomatics Biosciences Limited, BioCity Nottingham** 2015 – 2016

Chief Operating Officer (Contract Research Organisation)

* Developed company from concept: Marketing, Branding, Sales, Partnerships, Competitor Analysis, Investor Funding, Laboratory Set-up, Equipment Purchasing Negotiations, Design/Management of Projects for Clients, Writing and reviewing legal documents.
* Developed concept, designed methodology and secured partnerships for an entirely novel diagnostic kit.

**University College London, Wolfson Institute for Biomedical Research**  2013 – 2016

GlaxoSmithKline Postdoctoral Research Associate/ALTA Postdoctoral Research Fellow

* Set-up laboratory post move from the University of Cambridge
* Secured a number of research grants to develop novel antibody technologies
* Managed own research team (two PhD students, one technician)
* Performed inter-organisation technology transfer between UCL and GlaxoSmithKline

**University of Cambridge, Cambridge Institute for Medical Research**  2010 – 2013

GlaxoSmithKline Postdoctoral Research Associate

* Performed inter-organisation technology transfer between UCL and GlaxoSmithKline
* Developed a number of research streams in protein biochemistry and small molecule characterisation

**University of Nottingham, Division of Therapeutics and Molecular Medicine**

NRBRU Postdoctoral Research Associate 2010

**EDUCATION**

**University of Nottingham, Divisions of Clinical Chemistry and Therapeutics and Molecular Medicine**

Medical Research Council PhD in Complex Disease Genetics 2006 – 2012

**University of Newcastle upon Tyne, Institute of Human Genetics**

MSc Medical Genetics (Degree class achieved: Merit) 2005 – 2006

**Manchester Metropolitan University**

BSc (Hons) Microbiology and Molecular Biology (Degree class achieved: 1st Class Hons) 2002 – 2005

**FUNDING**

Business Angel Investment for Cellomatics Biosciences £150,000 2016

Alpha-1 Antitrypsin Laurell’s Training Award (ALTA), Grifols £36,280 2015

RoseTrees Trust Consumables grant £5,000 2015

RoseTrees Trust PhD stipend grant £48,546 2015

Wellcome Trust Rotation PhD studentship – Birkbeck/ISMB (Consumable funds) £25,000 2015

Praxis Summer Funding Programme £2,000 2014

Nottingham University Hospitals and NUH department of R&D pump priming competition £9,700 2011

Total research funds acquired to date: £276,526

**PUBLIC SPEAKING**

Invited speaker, Alpha London IV Conference 2015

Invited speaker, British Thoracic Society Winter Meeting, London 2015

Invited speaker, European Respiratory Society Conference, Amsterdam 2015

Invited speaker, UCL Division of Medicine Research Retreat 2015

Invited speaker, Alpha London II Conference 2014

Invited Speaker, Basis of Respiratory Disease Conference, Biochemical Society, AstraZeneca 2009

**PROFESSIONAL RECOGNITION/ACCREDITATION**

Fellow of the Higher Education Academy 2015

**AFFILIATIONS**

Member, The Royal Society of Biology 2015 – Current

Member, Institute of Structural and Molecular Biology (ISMB) 2015 – 2016

Member, American Thoracic Society 2015 – 2016

Visiting Research Fellow, Birkbeck College 2014 – 2016

Visiting Research Fellow, CIMR, University of Cambridge 2013 – 2016

**ACHIEVEMENTS**

Hosted Seminar for Diego Sepulveda-Falla, Wolfson Institute for Biomedical Research 2015

Rayne Building Refurbishment/Redesign User Group 2015

Invited chair, American Thoracic Society Conference, Denver 2015

Appointed member, ECP committee, American Thoracic Society 2015 – 2016

Invited chair, Respiratory Genetics conference, University of Nottingham 2014

Leadership in Action bursary winner - £1000 2013

British Lung Foundation – Allen & Hanburys travel fellowship - £500 2010

Nottingham Respiratory BRU Travel Grant, ATS 2010 - £500 2010

School of Molecular Medical Sciences Travel Grant, ATS 2010 - £500 2010

Bursary winner, 8th European Respiratory Society Conference, Estoril, Portugal - £250 2010

Organiser, Nottingham School of Molecular Medical Sciences Research Away Day. 2008

**PEER REVIEW**

Peer reviewed articles for the following journals:

* Human Immunology
* Journal of Biological Chemistry
* Molecular Biology Reports

**JOURNAL PUBLICATIONS**

19 journal publications to date. Listed from most recent.

N Motamedi-Shad, AM Jagger, M Liedtke, SV Faull, AS Nanda, E Salvadori, JL Wort, CW Kay, N Heyer-Chauhan, E Miranda, J Perez, A Ordóñez, **I Haq**, JA Irving, DA Lomas (2016). An antibody that prevents serpin polymerisation acts by inducing a novel allosteric behaviour. *Biochem J:* (in press)

**I Haq\***, JA Irving\*, AD Saleh, L Dron, GL Regan-Mochrie, N Motamedi-Shad JR. Hurst, B Gooptu, DA. Lomas (2016) Deficiency Mutations of Alpha-1 Antitrypsin. Effects on Folding, Function, and Polymerization. *AJRCMB:* 54(1): 71- 80

MP Nyon, T Prentice, J Day, J Kirkpatrick, GN Sivalingam, G Levy, **I Haq**, JA Irving, DA Lomas, J Christodoulou, B Gooptu, K Thalassinos (2015) An integrative approach combining ion mobility mass spectrometry, X-ray crystallography and NMR spectroscopy to study the conformational dynamics of α1 -antitrypsin upon ligand binding *Protein Sci:* 24(8):1301-1312

A Ordóñez, J Pérez, L Tan, JA Dickens, N Motamedi-Shad, JA Irving, **I Haq**, U Ekeowa, SJ Marciniak, E Miranda, DA Lomas (2015) A single-chain variable fragment intrabody prevents intracellular polymerization of Z α1-antitrypsin while allowing its antiproteinase activity. *FASEB 2015: in press*

JA Irving, E Miranda, **I Haq**, J Perez, VR Kotov, SV Faull, N Motamedi-Shad, DA Lomas. (2015) An antibody raised against a pathogenic serpin variant induces mutant-like behaviour in the wild-type protein. *Biochem J* 468(1):99-108

L Tan, J Perez, M Mela, E Miranda, KA Burling, FN Rouhani, DL DeMeo, **I Haq**, JA Irving, A Ordonez, JA Dickens, M Brantly, SJ Marciniak, GJM Alexander, B Gooptu, DA Lomas (2014) Characterising the association of latency with α1-antitrypsin polymerisation using a novel monoclonal antibody. *Int J Biochem Cell Biol* 58:81-91

L Tan, JA Dickens, DL Demeo, E Miranda. J Perez, ST Rashid, J Day, A Ordóñez, SJ Marciniak, **I Haq**, AF Barker, EJ Campbell, E Eden, NG McElvaney, SI Rennard, RA Sandhaus, JM Stocks, JK Stoller, C Strange, G Turino, FN Rouhani, M Brantly, DA Lomas (2014) Circulating polymers in α1-antitrypsin deficiency. *Eur Respir J* 43(5):1501-1504.

JA Irving\*, **I Haq**\*, JA Dickens, SV Faull, DA Lomas (2014) Altered native stability is the dominant basis for susceptibility of α1-antitrypsin mutants to polymerization. *Biochem J* 460(1):103-115.

EF Van’t Wout, JA Dickens, A van Schadewijk, **I Haq**, HF Kwok, A. Ordóñez, G Murphy, J Stolk, DA Lomas, PS Hiemstra, SJ Marciniak (2014) Increased ERK signaling promotes inflammatory signaling in primary airway epithelial cells expressing Z α1-antitrypsin. *Hum Mol Genet.* 23(4):929-941*.*

BD Roussel, TM Newton, E Malzer, N Simecek**, I Haq**, SE Thomas, ML Burr, PJ Lehner, DC Crowther, SJ Marciniak, DA Lomas (2013) Sterol metabolism regulates neuroserpin polymer degradation in the absence of the unfolded protein response in the dementia FENIB. *Hum Mol Genet.* 22(22)4616-4626*.*

**I Haq**\*, JA Irving\*, SV Faull, JA Dickens, A. Ordóñez, D Belorgey, B Gooptu, DA Lomas (2013) Reactive centre loop mutants of alpha-1 antitrypsin reveal position-specific effects on intermediate formation along the polymerisation pathway. *Biosci Rep.* 33(3)

A Duvoix. J Dickens, **I Haq**, D Mannino, B Miller, R Tal-Singer, DA Lomas (2012). Blood fibrinogen as a biomarker of chronic obstructive pulmonary disease. *Thorax.* 68(7):670-676*.*

JD Maclay, DA McAllister, R Rabinovich**, I Haq**, S Maxwell, S Hartland, M Connell, JT Murchison, EJ van Beek, RD Gray, NL Mills, W Macnee (2012). [Systemic elastin degradation in COPD.](http://www.ncbi.nlm.nih.gov/pubmed/22078544) *Thorax.* 67(7):606-12

JA Irving, UI Ekeowa, D Belorgey, **I Haq**, B Gooptu, E Miranda, J Pérez, BD Roussel, A Ordóñez, LE Dalton, SE Thomas, SJ Marciniak, H Parfrey, ER Chilvers, JH Teckman, S Alam, R Mahadeva, ST Rashid, L Vallier, DA Lomas (2011). [The serpinopathies studying serpin polymerization in vivo.](http://www.ncbi.nlm.nih.gov/pubmed/22078544) *Methods Enzymol.* 501:421-66

YP Chang, R Mahadeva, AO Patschull, I Nobeli, UI Ekeowa, AR McKay, K Thalassinos, JA Irving**, I Haq**, MP Nyon, J Christodoulou, A Ordóñez, E Miranda, B Gooptu (2011) Targeting serpins in high-throughput and structure-based drug design. *Methods Enzymol.* 501:139-75

**I Haq**, **G Lowrey, N Kalsheker, and SR Johnson (2011).** MMP-12 SNP affects MMP activity, lung macrophage infiltration and protects against emphysema in COPD. *Thorax* 66(11):970-976

BD Roussel, JA Irving, UI Ekeowa, D Belorgey, **I Haq**, A Ordóñez, AJ Kruppa, A Duvoix, ST Rashid, DC Crowther, SJ Marciniak, DA Lomas (2011). Unravelling the twists and turns of the serpinopathies. *FEBS J* 278(20):3859-3867

U Gazi, M Rosas, S Singh, S Heinsbroek, **I Haq**, SR Johnson, GD Brown, DL Williams, PR Taylor and L Martinez-Pomares (2011). Fungal recognition enhances mannose receptor shedding through dectin-1 engagement. *J Biol Chem* 286(10):7822-7829

**I Haq**, SR Johnson, EU COPD Gene Scan Project and N Kalsheker (2010) Association of *MMP* *- 12* polymorphisms with severe and very severe COPD: A case control study of *MMP*s *- 1, 9 and 12* in a European population. *BMC Med Gen* 11(7)

\*denotes equal contribution