

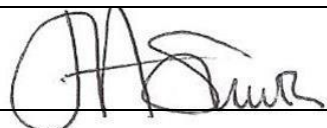
## CURRICULUM VITAE

<b>Name:</b>	
Professor Jaclyn Ann Smith	
<b>Present appointment:</b> <i>(Job title, department, and organisation.)</i>	
Professor of Respiratory Medicine/ Honorary Consultant, Division of Infection, Immunity and Respiratory Medicine, University of Manchester, and Manchester University NHS Foundation Trust	
<b>Address:</b> <i>(Full work address.)</i>	
2 <sup>nd</sup> Floor Education and Research Centre, Manchester University NHS Foundation Trust, Southmoor Road, Manchester, M23 9LT, United Kingdom	
<b>Telephone number:</b>	<b>Email address:</b>
0161 291 5863	Jacky.Smith@manchester.ac.uk
<b>Qualifications:</b>	
MB ChB	1992 University of Manchester
MRCP	1996 Royal College of Physicians London
PhD	2004 'The Objective Measurement of Cough', University of Manchester
FRCP	2016 Royal College of Physicians London
<b>Professional registration:</b> <i>(Name of body, registration number and date of registration.)</i>	
GMC Registration	Full Registration, No 3668283
<b>Previous and other appointments:</b> <i>(Include previous appointments in the last 5 years and other current appointments.)</i>	
2008-2012 MRC Clinician Scientist, University of Manchester and University Hospital of South Manchester 2005-2008 Clinical Academic Consultant and Stepping Stones Awardee, University of Manchester 2004-2005 Research Physician and Locum Consultant in Respiratory Medicine 1996-2004 Specialist Registrar in Respiratory and General Medicine, North West Deanery Rotation	
<b>Research experience:</b> <i>(Summary of research experience, including the extent of your involvement. Refer to any specific clinical or research experience relevant to the current application.)</i>	
<p>I have over 15 years experience in clinical research, with particular expertise in tools for the assessment of cough, design of clinical trials for the assessment of anti-tussive agents and in mechanistic studies to determine the processes underlying cough in health and disease. I am also Director of the NIHR Manchester Clinical Research facility. I have acquired the following experience, training and skills</p> <ul style="list-style-type: none"> <li>• <i>Clinical research skills: bronchial challenge testing, cough reflex sensitivity testing, pulmonary function testing, exhaled nitric oxide measurement, sputum induction, endo-bronchial biopsy, brushing and lavage, optico-electronic plethysmography, intra-oesophageal and gastric balloon pressure measurements</i></li> <li>• <i>Clinical trials experience: design, applying for ethical approval, patient recruitment, data collection and analysis, including clinical trials of investigational medicinal products and MHRA inspections</i></li> <li>• <i>Statistics and data analysis skills: I am competent at database management, the performance of statistical analysis and interpretation of results. I have experience in advanced statistical techniques include factor analysis, cluster analysis, longitudinal modelling and structural equation modelling.</i></li> <li>• <i>Signal Processing Skills: I have a basic understanding of acoustic signal processing and speech recognition techniques from a close collaboration with computer scientists/engineers.</i></li> <li>• <i>Training and Management: I currently co-supervise 5 PhD students. I have previously co-supervised 3 successful PhD students and 2 successful MPhil students. I manage a multiple disciplinary cough research team.</i></li> <li>• <i>Industrial collaboration: I am an inventor on a patent owned by the University Hospital of South Manchester, covering novel concepts for automated detection of cough from sound signals. This patent is the subject of a license agreement with Vitalograph UK Ltd. I have been collaborating with Vitalograph since July 2004 to develop hardware and software for a cough monitoring system that is now fully commercialised. I have also collaborated with and consulted for numerous pharmaceutical companies on development of novel cough therapeutics.</i></li> </ul>	
<b>Research training:</b> <i>(Details of any relevant training in the design or conduct of research, for example in the Clinical Trials Regulations, Good Clinical Practice, consent or other training appropriate to non-clinical research. Give the date of the training.)</i>	
GCP & Clinical Trials Legislation & Good Documentation Practice Refresher Training 17th Dec 2019 Adverse Event Training 27 <sup>th</sup> November 2015 Health Research Authority, Medical Device Training 21 <sup>st</sup> March 2013	

**Relevant publications:** (Give references to all publications in the last two years plus other publications relevant to the current application.)

1. **Jaclyn A. Smith**, Michael M. Kitt, Alyn H. Morice, Surinder S. Birring SS, Lorcan P. McGarvey, Mandel R. Sher, Yu-Ping Li, Wen-Chi, Zhi Jin Xu, David R. Muccino, Anthony P. Ford, on behalf of the Protocol 012 Investigators. Gefapixant, a P2X3 receptor antagonist, for the treatment of chronic cough. [In press *Lancet Respiratory Medicine*]
2. **Jaclyn A Smith**, Michael Kitt, Peter Butera, Steven A Smith, Yuping Li, Jin Zhi Xu, Kimberley Holt, Shilpi Sen, Mandel Sher, Anthony Ford. MK-7264, an oral P2X3 receptor antagonist, in the treatment of chronic cough: results from two randomized, double-blind, placebo-controlled, crossover, dose-escalation studies. [In press *Eur Resp J*]
3. I Satia, R Watson, T Scime, RJ Dockry, S Sen, JW Ford, PD Mitchell, SJ Fowler, GM Gauvreau, PM O'Byrne, **JA Smith**. Allergen challenge increases capsaicin-evoked cough responses in patients with allergic asthma. *J Allergy Clin Immunol*. 2019 Sep;144(3):788-795. PMID: 30660644
4. Imran F Satia, Nikolaos Tsamandouras, Kimberley Holt, Huda Badri, Mark Woodhead, Kayode Ogungbenro, Timothy W Felton TW, Paul M O'Byrne, PM, Stephen J Fowler, **Jaclyn A Smith**. Capsaicin Cough Responses in Asthma: Evidence for Airway Neuronal Dysfunction *J Allergy Clin Immunol*. 2017 Mar;139(3):771-779. PMID: 27444176
5. **Smith JA**, McGarvey L, Badri H, Satia I, Warren F, Cheesbrough A, Siederer S, Liefwaard L, Murdoch RD, Povey K, Marks-Konczalik J. Effects of a novel sodium channel blocker, GSK2339345, in patients with chronic idiopathic cough. *Int J Clin Pharmacol Ther*. 2017 Sep;55(9):712-719. PMID: 28679467
6. Maria G. Belvisi, Mark A. Birrell, Michael A. Wortley, Sarah A. Maher, Imran Satia, Huda Badri, Kimberley Holt, Patrick Round, Lorcan McGarvey, John Ford, and **Jaclyn A. Smith**. Improved Pharmacodynamic Profile of XEN-D0501, a novel TRPV1 Antagonist, does not reduce Cough Frequency in Patients with Refractory Chronic Cough. *Am J Respir Crit Care Med* 2017 Nov 15;196(10):1255-1263. PMID: 28650204
7. **J.A. Smith**, A. Woodcock. Clinical Practice: Chronic Cough. *N Engl J Med* 2016; 375:1544-1551
8. Maria G. Belvisi, Mark A. Birrell, Saifudin Khalid, Michael A. Wortley, Rachel Dockry, Julie Coote, Kimberley Holt, Eric Dubuis, Angela Kelsall, Sarah A. Maher, Sara Bonvini, Ashley Woodcock, **Jaclyn A. Smith**. Neurophenotypes in Airway Diseases: insights from translational cough studies. *Am J Respir Crit Care Med*. 2016 Jun 15;193(12):1364-72. PMID: 26741046
9. Peter W. West, Brendan J Canning, Emilio Merlo-Pich, Ashley A. Woodcock, Jaclyn A. Smith. Morphological Characterisation of Nerves in Whole Mount Airway Biopsies. *Am J Respir Crit Care Med* 2015 Jul 1;192(1):30-39 PMID: 25906337, for editorial see LP McGarvey. Seeing Is Believing. Sensing Real Progress in the Study of Human Airway Nerves. *Am J Respir Crit Care Med*. 2015 Jul 1;192(1):1-2.
10. Rayid Abdulqawi, Rachel Dockry, Kimberly Holt, Gary Layton, Bruce G. McCarthy, Anthony P. Ford, **Jaclyn A. Smith**. P2X3 receptor antagonist (AF-219) in refractory chronic cough: a randomised, double-blind, placebo-controlled phase 2 study. *Lancet*. 2015 Mar 28;385(9974):1198-205. PMID 25467586, for editorial see Therapeutic advances for treatment-resistant cough Belvisi MG. *Lancet*. 2015 Mar 28;385(9974):1160-2.
11. AH Morice, E Millqvist, MG Belvisi, K Bieksiene, SS Birring, KF Chung, RW Dal Negro, P Dicpinigaitis, A Kantar, LP McGarvey, A Pacheco, R Sakalauskas, **JA Smith**. Expert opinion on the Cough Hypersensitivity Syndrome *Eur Respir J*. 2014 Nov;44(5):1132-48 PMID 25142479
12. Saifudin Khalid, Robert Murdoch, Amy Newlands, Kevin Smart, Angela Kelsall, Kimberley Holt, Rachel Dockry, Ashley Woodcock and **Jaclyn A. Smith**. TRPV1 Antagonism in Refractory Chronic Cough: A Double Blind Randomised Controlled Trial. *J Allergy Clin Immunol* 2014 Jul;134(1):56-62 PMID 24666696
13. Emma C.Y. Hilton, Paul G. Baverel, Ashley Woodcock, Piet H. Van Der Graaf and Jaclyn A. Smith. Pharmacodynamic modelling of cough responses to capsaicin inhalation calls into question the utility of the C5 endpoint. *J Allergy Clin Immunol*. 2013 Oct;132(4):847-855. PMID 23777849 [for commentary see Editors' Choice *J Allergy Clin Immunol* 2013 132(4):809]
14. Helen Sumner, Ashley Woodcock, Umme Kolsum, Rachel Dockry, Aili L. Lazaar, Dave Singh, Jørgen Vestbo, Jaclyn A. Smith. Predictors of Objective Cough Frequency in Chronic Obstructive Pulmonary Disease. *Am J Respir Crit Care Med*. 2013 May;187(9):943-9. PMID 23471467 [for commentary see *Am J Respir Crit Care Med*. 2013 May;187(9):902-4]
15. Ashley Woodcock, Robbie L. McLeod, Jonathan Sadeh, Jaclyn A Smith. The Efficacy of a NOP1 Agonist (SCH 486757) in Sub-Acute Cough. *Lung*. 2010 Jan;188 Suppl 1:S47-52. PMID 19937046
16. J.A. Smith, E.C. Owen, J.E. Earis and A. Woodcock. The Effect of Codeine on Objective Measurement of Cough in Chronic Obstructive Pulmonary Disease. *J Allergy Clin Immunol*. 2006 Apr;117(4):831-5. PMID 16630941

**Signature:**



**Date:**

25<sup>h</sup> Feb 2020

