

Professor Lucy S.K. Walker

PRESENT POST: Professor of Immune Regulation
Institute of Immunity and Transplantation
UCL Division of Infection & Immunity
London, NW3 2PF
Tel. 0207794 0500 x 22468
email: lucy.walker@ucl.ac.uk web: www.lucywalkerlab.com

QUALIFICATIONS:

1991-1994 BSc Biology (1st Class Honours)
University of Nottingham, UK

1994-1997 PhD in Immunology, Wellcome Trust Prize Studentship
University of Bath, UK

PREVIOUS POSTS:

2009 – 2012 MRC Senior Non Clinical Research Fellow, Division of Immunity & Infection,
University of Birmingham (Reader)

2004 – 2008 MRC Career Development Fellow, Division of Immunity & Infection,
University of Birmingham (Senior Lecturer)

2000 – 2003 Wellcome Trust International Prize Travelling Fellow.
University of California San Francisco, USA (Prof. Abul Abbas)

1997 - 2000 Postdoctoral Fellow, University of Birmingham (Prof. P. Lane)

RECENT GRANT FUNDING

2016-2021 **MRC Programme Grant.** Walker(PI) and Sansom. Towards an integrated understanding of the CD28/CTLA-4 immune checkpoint in the regulation of autoimmunity. £1,676,980

2016-2019 **Diabetes UK.** Walker(PI) and Rosenthal. Investigating follicular helper T cells as biomarkers and new therapeutic targets in autoimmune diabetes. £279,643

2015-2018 **Horizon2020 Marie Skłodowska-Curie ITN.** J. Huehn (Coordinator) L. Walker (Deputy Coordinator), 10 beneficiaries, 6 partner organisations. €3,354,685

2015-2017 **NIHR Rare Disease TRC.** Stauss, Burns, Patel, Walker and Sansom(PI). Immune Stratification in Common Variable Immunodeficiency by Deep Phenotyping. £230,000

2009-2016 **MRC Senior Non Clinical Fellowship.** Walker(PI). CD4 T cell differentiation and regulation in autoimmune diabetes. £2,030,576

2009–2012 **JDRF.** Walker(PI) and Narendran. Role of follicular helper T cells in autoimmune diabetes \$445,500

5 SELECTED PULBICATIONS

Kenefeck, R., Wang, C. J., Kapadi, T., Wardzinski, L., Attridge, K., Clough, L. E., Heuts, F., Kogimtzis, A., Patel, S., Rosenthal, M., Ono, M., Sansom, D. M., Narendran, P., and Walker, L. S. *Follicular helper T cell signature in type 1 diabetes*. **Journal of Clinical Investigation** (2015) 125, 292-303

Wang, C., Heuts, F., Ovcinnikovs, V., Wardzinski, L., Bowers, C., Schmidt, E. M., Kogimtzis, A., Kenefeck, R., Sansom, D. M., and Walker, L. S. *CTLA-4 controls follicular helper T cell differentiation by regulating the strength of CD28 engagement*. **Proc Natl Acad Sci U S A** (2015) 112(2):524-9

Schubert, D., Bode, C., Kenefeck, R., Hou, T., Wing, J., Kennedy A., Bulashevsk, A. *et al*, Sakaguchi, S., Walker, L. S*, Sansom, D. M.*, and Grimbacher, B*. *Autosomal dominant immune dysregulation syndrome in humans with CTLA-4 mutations*. *Shared Senior Authorship. **Nature Medicine** (2014) 20:1410-1416

Attridge, K., Wang, C. J., Wardzinski, L., Kenefeck, R., Chamberlain, J. L., Manzotti, C., Kopf, M., and Walker, L. S. *IL-21 inhibits T cell IL-2 production and impairs Treg homeostasis*. **Blood** (2012) 119, 4656-4664

Qureshi, O. S., Zheng, Y., Nakamura, K., Attridge, K., Manzotti, C., Schmidt, E. M., Baker, J., Jeffery, L. E., Kaur, S., Briggs, Z., Hou, T. Z., Futter, C. E., Anderson, G., Walker, L. S., and Sansom, D. M. *Trans-endocytosis of CD80 and CD86: a molecular basis for the cell-extrinsic function of CTLA-4*. **Science** (2011) 332, 600-603

OTHER ACADEMIC ROLES

Reviewer for the MRC, The Wellcome Trust, Juvenile Diabetes Research Foundation (JDRF), Diabetes UK, British-German Academic research collaboration programme, Portugese Foundation for Science, Boston Area Diabetes Endocrinology Research Center (BADERC, Harvard)
Invited Speaker / Session Chair at numerous international conferences including China Tregs Shanghai 2014 & 2012, International Congress Immunology 2013, Keystone Immunopathology of Type 1 Diabetes 2013, Immunology of Diabetes Society Vancouver Island 2012 & Korea 2011.
Member Asthma UK Research Funding Committee (2009-2012)
Member NC3Rs Grant Assessment Panel (2011-2016)
Member Diabetes UK Moffit Travelling Fellowship Interview Panel (2013)
Chair NC3Rs Strategic Panel (2015)
Member MRC College of Reviewers for the Newton Fund
Member Editorial Board Clinical and Experimental Immunology
Member NC3Rs Board (2016-2019)
Member JDRF Medical Scientific Review Community
Chair NC3Rs Training Fellowship Panel (2016-present)
Chair British Society for Immunology Autoimmunity Affinity Group
Member UK Autoimmunity Steering Committee
Chief Investigator on an NIHR portfolio-adopted study "Immune Regulation in Autoimmunity"
Member Wellcome Trust Expert Review Group 4 (2016-2019)

AWARDS AND PRIZES

1994	Elizabeth and J D Marsden Prize for high distinction, University of Nottingham
2000	Wellcome Trust International Prize Travelling Fellowship
2011	JDRF National Science Photography Prize
2011	Selected for the UK <i>Innovators in Diabetes</i> (iDia) programme
2015	Royal Society Wolfson Research Merit Award
2016	EFIS Lecture Award