

Professor Andrew Cope's publications

Recent clinical research publications

Filkova M, Cope A, Mant T, Galloway J. Is there a role of synovial biopsy in drug development? *BMC Musculoskelet Disord* 2016;17:172.

Jani M, Isaacs JD, Morgan AW, Wilson AG, Plant D, Hyrich KL, Chinoy H, Barton A; BRAGGSS (including Cope A). High frequency of antidrug antibodies and association of random drug levels with efficacy in certolizumab pegol-treated patients with rheumatoid arthritis: results from the BRAGGSS cohort. *Ann Rheum Dis* 2016 in press

Ibrahim F, Ayis S, Hofmann D, Rose D, Wykes T, Cope AP, Scott DL, Lempp H. Psychometric properties of a new treatment expectation scale in rheumatoid arthritis: an application of item response theory. *BMC Musculoskelet Disord* 2015;16:239.

Jani M, Chinoy H, Warren RB, Griffiths CE, Plant D, Fu B, Morgan AW, Wilson AG, Isaacs JD, Hyrich K, Barton A; Biologics in Rheumatoid Arthritis Genetics and Genomics Study Syndicate Collaborators. Clinical utility of random anti-tumor necrosis factor drug-level testing and measurement of antidrug antibodies on the long-term treatment response in rheumatoid arthritis. *Arthritis Rheumatol* 2015; 67:2011-2019.

Galloway J, Cope AP. The ying and yang of fever in rheumatic disease. *Clin Med* 2015; 15:288-291.

Ferguson A, Ibrahim FA, Thomas V, Weinman J, Simpson C, Cope AP, Scott DL, Lempp H. Improving medication adherence in rheumatoid arthritis (RA): a pilot study. *Psychol Health Med* 2015 Mar 16:1-9.

Ma MH, Scott IC, Dahanayake C, Cope AP, Scott DL. Clinical and serological predictors of remission in rheumatoid arthritis are dependent on treatment regimen. *J Rheumatol* 2014;41:1298-303.

Malaviya AP, Ledingham J, Bloxham J, Bosworth A, Buch M, Choy E, Cope A, Isaacs J, Marshall D, Wright G, Ostör AJ; BSR Clinical Affairs Committee & Standards, Audit and Guidelines Working Group; BHPR. The 2013 BSR and BHPR guideline for the use of intravenous tocilizumab in the treatment of adult patients with rheumatoid arthritis. *Rheumatology* 2014;53:1344-1346.

Seegobin SD, Ma MH, Dahanayake C, Cope AP, Scott DL, Lewis CM, Scott IC. ACPA-positive and ACPA-negative rheumatoid arthritis differ in their requirements for combination DMARDs and corticosteroids: secondary analysis of a randomised controlled trial. *Arthritis Res Ther* 2014;16:R13.

Recent basic laboratory research publications

Arbore G, West EE, Robertson AB, Klos A, Rheinheimer C, Dutow P, Woodruff TM, O'Neill LA, Coll RC, Sher A, Leonard WJ, Monk P, Cooper MA, Arno M, Afzali B, Lachmann HJ, Cope AP, Mayer-Barber K, Kemper C. CD4+ T cell-intrinsic complement-NLRP3 inflammasome activity regulates IFN-gamma production. *Science* 2016;352:aad1210.

Sobolev O, Binda E, O'Farrell S, Lorenc A, Pradines J, Huang Y, Duffner J, Schulz R, Cason J, Zambon M, Malim MH, Peakman M, Cope A, Capila I, Kaundinya GV, Hayday AC. Adjuvanted influenza-H1N1 vaccination reveals lymphoid signatures of age-dependent early responses and of clinical adverse events. *Nat Immunol* 2016;17:469.

Rubin-Delanchy P, Burn GL, Griffié J, Williamson DJ, Heard NA, Cope AP, Owen DM. Bayesian cluster identification in single-molecule localization microscopy data. *Nat Methods* 2015;12:1072-1076.

Evans HG, Roostalu U, Walter GJ, Gullick NJ, Frederiksen KS, Roberts CA, Sumner J, Baeten DL, Gerwien JG, Cope AP, Geissmann F, Kirkham BW, Taams LS. TNF- α blockade induces IL-10 expression in human CD4+ T cells. *Nat Commun* 2014;5:3199.

Wencker M, Turchinovich G, Di Marco Barros R, Deban L, Jandke A, Cope A, Hayday AC. Innate-like T cells straddle innate and adaptive immunity by altering antigen-receptor responsiveness. *Nat Immunol* 2013;15:80-7.

Liszewski MK, Kolev M, Le Friec G, Leung M, Bertram PG, Fara A, Subias M, Pickering MC, Drouet C, Meri S, Arstila TP, Pekkarinen PT, Ma M, Cope A, Reinheckel T, Rodriguez de Cordoba S, Afzali B, Atkinson JP, Kemper C. Evidence for intracellular activation of complement and its dysregulation in Autoimmunity. *Immunity* 2013;39:1143-57.

Scott IC, Seegobin SD, Steer S, Tan R, Forabosco P, Hinks A, Eyre S, Morgan AW, Wilson AG, Hocking LJ, Wordsworth P, Barton A, Worthington J, Cope AP, Lewis CM. Predicting the Risk of Rheumatoid Arthritis and Its Age of Onset through Modelling Genetic Risk Variants with Smoking. *PLoS Genet* 2013; 9:e1003808.