THE ANNUAL COMBINED NORTHERN AND YORKSHIRE RHEUMATOLOGY MEETING
NATIONAL RAILWAY MUSEUM, YORK
WEDNESDAY SEPTEMBER 26th 2018

0830-0915 BREAKFAST, REGISTRATION AND COFFEE

0915-1035 CONCURRENT TRANSLATIONAL & CLINICAL CASE SESSION

Translational science abstracts

Chair Dr Ed Vital

Lymphocyte DNA Methylation as a Mediator of Genetic Risk in Rheumatoid Arthritis
Clark AD¹, Nair N¹, Skelton, AJ¹, Anderson AE¹, Thalayasingam N¹, Naamane N¹, Diboll J¹, Massey J², Eyre S², Barton, A², Isaacs JD¹, Reynard LN³, Pratt AG¹
¹Institute of Cellular Medicine and NIHR Newcastle Biomedical Research Centre, Newcastle Hospitals & University; ²Institute of Inflammation & Repair and NIHR Manchester Musculoskeletal BRU, Central Manchester NHS Trust & Manchester University; ³Institute of Genetic Medicine, Newcastle University.

Flow Cytometric Immunophenotyping of Salivary Glands in Primary Sjögren’s Syndrome
Paul Milne¹, Aleksandra Ivoic²/⁴, Emmanuella Traianos³, David Storey³, Jessica Tarn³, Richard Siegel⁶, Peter Campbell², Wan-Fai Ng³ & Matthew Collin¹
¹Human Dendritic Cell Lab, Institute of Cellular Medicine, Newcastle University, UK; ²Musculoskeletal Research Group, Institute of Cellular Medicine, Newcastle University, UK; ³Wellcome Sanger Institute, Cambridge, UK; ⁴Autoimmunity Branch, National Institutes of Health, Bethesda, Maryland, USA.

Investigating potential differences in mesenchymal stromal cells in medial and lateral condyles in patients with knee osteoarthritis
Clara Sanjurjo-Rodriguez, Thomas Baboolal, Agata Burska, Frederique Ponchel, Owen Wall, Joseph Aderinto, Hemant Pandit, Dennis McGonagle, Elena Jones
Leeds Institute of Rheumatic and Musculoskeletal Medicine, University of Leeds
NIHR Leeds Biomedical Research Centre, Leeds Teaching Hospitals NHS Trust

Exploring PIM1 as a measurable therapeutic target in early rheumatoid arthritis.
Nicola J Maney, Amy E Anderson, John D Isaacs, Arthur G Pratt
Institute of Cellular Medicine and NIHR Newcastle Biomedical Research Centre, Newcastle Hospitals & University

Disentangling mononuclear phagocyte heterogeneity in rheumatoid arthritis synovial fluid through single cell transcriptomics
¹Reynolds G, ¹Stephenson E, ¹Botting R, ¹Maunder D, ¹Fletcher J, ¹Vegh P, ¹Hilkens C, ²Villani AC, ³Teichmann S, ¹Isaacs JD, ¹Haniffa MA
¹Institute of Cellular Medicine, University of Newcastle upon Tyne, ²Massachusetts General Hospital, Boston, ³Wellcome Sanger Institute Hinxton.

This meeting has been sponsored by Abbvie, Bristol Myers Squibb, Janssen, Lilly, Novartis, Pfizer, Roche & Chugai and UCB. None of the companies have had any input into the educational content of this meeting.
In SLE patients in sustained low disease activity, novel interferon assays predict flares and glucocorticoid requirements
Leeds Institute of Rheumatic and Musculoskeletal Medicine, University of Leeds
NIHR Leeds Biomedical Research Centre, Leeds Teaching Hospitals NHS Trust

Clinical Case abstracts in Acute ward referral case and urgent presentations

Chairs: Dr Alice Lorenzi and Dr Mike Green

Case 1/2 Noora Soobraty
Case 2/3 Jessica Weightman
Case 5 ‘A case to learn from’ - Smrty Smrity, Maria Slade and Andy Gough

1035-1105 TEA AND COFFEE

1105-1150 CELEBRATING LOCAL EXPERTISE
Chair Prof Phil Conaghan
Dr. James Miller,
Consultant Neurologist, Newcastle upon Tyne Hospitals Foundation Trust.
Emerging concepts in treatment and management of myositis (TBC)

1150-1230 TRANSLATIONAL MUSCULOSKELETAL SCIENCE ABSTRACTS

The potential role of shear wave elastography for diagnosing idiopathic inflammatory myopathies
Abdulrahman Alfurahi1, 2, 3, Ai Lyn Tan1, 2, 3, Philip O’Connor3, Paul Emery2, 3, Richard Wakefield2, 3.
1Prince Sattam bin Abdulaziz University, Kharj, Saudi Arabia; 2Leeds Institute of Rheumatic and Musculoskeletal Medicine, University of Leeds; 3NIHR Leeds Biomedical Research Centre, Leeds Teaching Hospitals NHS Trust

Patients with ultrasound-detected shoulder pathologies cluster into groups with different clinical associations
Tran G1, 2, Hensor EMA1, 2, Kingsbury SR1, 2, Conaghan PG1, 2, 3
1Leeds Institute of Rheumatic and Musculoskeletal Medicine, University of Leeds; 2NIHR Leeds Biomedical Research Centre, University of Leeds, Leeds, UK; 3Arthritis Research UK Centre for Sport, Exercise and Osteoarthritis, Nottingham, UK

In RA patients with initial response to rituximab, early depth of B-cell depletion is associated with long term maintenance of therapy
L Garcia Montoya1, 2, M.Y. Md Yusof1, 2, J.-B. Candelier1, 2, P. Pentony1, 2, L. Duquenne1, 2, A.C. Rawstron1, 2, E.M. Vital1, 2, P. Emery1, 2
1Leeds Institute for Rheumatic and Musculoskeletal Medicine, University of Leeds; 2NIHR Leeds Biomedical Research Centre, Leeds Teaching Hospitals NHS Trust

1230-1335 LUNCH (Station Hall)

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EMERGING CONCEPTS IN SPONDYLOARTHROPATHY.

Chair Dr Arthur Pratt and Dr Fiona Rayner

Emergence of severe spondyloarthropathy related entheseal pathology following successful vedolizumab therapy for inflammatory bowel disease
S. Dubash1,2, T. Marianayagam4, I. Tinazzi5, T. Al-Araimi6, C. Pagnoux6, A. V. Weizman7, P. Richette8, M.-L. Tran Minh9, M. Allez9, A. Singh10, F. Ciccia11, J Hamlin3, A. L. Tan1,2, H. Marzo-Ortega1,2, D. McGonagle1,2
Leeds Institute of Rheumatic and Musculoskeletal Medicine, University of Leeds
NIHR Leeds Biomedical Research Centre, Leeds Teaching Hospitals NHS Trust
Helena Marzo-Ortega to present

Fevers and Liver Disease - Systemic Involvement in Axial Spondyloarthritis or something else altogether?
J Weightman1, J Dyson2, B Thompson1
Department of Rheumatology1 and Gastroenterology and Liver Unit2 Freeman Hospital, Newcastle upon Tyne

Personalising care: using infliximab drug trough and anti-drug antibody levels is a safe and cost effective treatment strategy in Spondyloarthritis
S.Dubash1,2, J Fitton1,2, D Bryer1, A Barr1,2, C Vandevelde1,2, H Marzo-Ortega1,2, JE Freeston1,2
Leeds Institute of Rheumatic and Musculoskeletal Medicine, University of Leeds
NIHR Leeds Biomedical Research Centre, Leeds Teaching Hospitals NHS Trust
Jane Freeston to present

1410-1455 KEYNOTE SPEAKER

Dr. Stefan Siebert,
Senior Clinical Lecturer, University of Glasgow.
PsA comorbidities: more than just cardiovascular disease.

Noninvasive diagnostic approaches for psoriasis and lupus erythematosus
Anna Berekmen1,2*, Mohammad Shalbaf1*, Adewonuola Alase1, Yuaiful MD Yusof1,2, Tom Macleod3, Mark Goodfield4, Philip Laws4, Philip Helliwell5, Natalia V. Botchkareva6, Edward M. Vita1,2, Martin Stacey3, Miriam Wittmann1,2
1Leeds Institute of Rheumatic and Musculoskeletal Medicine, University of Leeds; 2NIHR Leeds Biomedical Research Centre, Leeds Teaching Hospitals NHS Trust; 3 Faculty of Biological Sciences, School of Molecular and Cellular Biology, University of Leeds; 4 Department of Dermatology, Leeds Teaching Hospitals NHS Trust; 5 Bradford Teaching Hospitals Foundation Trust; 6 Centre for Skin Sciences, University of Bradford
*equal contribution

Adewonuola Alase to present

Targeted therapy using intradermal injection of etanercept for remission induction in discoid lupus erythematosus (TARGET-DLE): first results from a proof-of-concept phase 2 trial
Md Yuzaiful Md Yusof, Miriam Wittmann, Catherine Fernandez, Duncan Wilson, Sara Edward, Giuseppina Abignano, Adewonuola Alase, Linda Sharples, Phil Laws, M J Goodfield, Edward M Vital, Paul Emery
Leeds Institute of Rheumatic and Musculoskeletal Medicine, University of Leeds
NIHR Leeds Biomedical Research Centre, Leeds Teaching Hospitals NHS Trust
On tapering therapy for RA patients in clinical remission; flare on cs-DMARDs predicted by clinical features and ultrasound, whereas T-cell abnormalities predictive for b-DMARD tapering
Dr Hanna Gul, Dr Frederique Ponchel, Professor Paul Emery
Leeds Institute of Rheumatic and Musculoskeletal Medicine, University of Leeds
NIHR Leeds Biomedical Research Centre, Leeds Teaching Hospitals NHS Trust

1535-1605    TEA AND COFFEE

1605-1650    CELEBRATING LOCAL EXPERTISE

Chair Prof Fai Ng

Prof Ann Morgan
Professor of Molecular Rheumatology/ Hon. Consultant Rheumatologist
Leeds Institute Rheumatic and Musculoskeletal Medicine
Therapeutic targeting of the Fcγ Receptors:
From clinical observations to novel therapeutic strategies

1650-1730    JEWELS IN THE CROWN

Infection risk associated with oral glucocorticoid dose in people with polymyalgia rheumatica and giant cell arteritis in England
Mar Pujades-Rodriguez¹, Jianhua Wu¹, Adam Keeley¹, Christian Mallen², Ann W Morgan¹,³
¹. University of Leeds, UK; ². University of Keele, UK; ³. Leeds Teaching Hospitals NHS Trust, UK

PRIZE WINNING TRANSLATIONAL ABSTRACT

Professor Ann Morgan to present prize

The role of skin tissue in initiation of SLE
Antonios Psarras, Adewuonola Alase, Md Yuzaiful Md Yusof, Mohammed Shalbaf, Paul Emery, Miriam Wittmann, Edward M Vital
Leeds Institute of Rheumatic and Musculoskeletal Medicine, University of Leeds
NIHR Leeds Biomedical Research Centre, Leeds Teaching Hospitals NHS Trust

PRIZE WINNING CLINICAL ABSTRACT

Dr Bridget Griffiths to present prize

An Increased Prevalence of Periodontal Disease, Porphyromonas gingivalis and Aggregatibacter actinomycetemcomitans in anti-CCP positive individuals At-Risk of Inflammatory Arthritis

1730    Wrap up and close

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