



Editor

Tore K Kvien

Associate Editors

Francis Berenbaum
Johannes Bijlsma
Dimitrios Boumpas
Gerd Burmester
Mary Crow
Iain McInnes
David Pisetsky

Editorial office

Annals of the Rheumatic Diseases
BMJ Publishing Group Ltd
BMA House
Tavistock Square
London WC1H 9JR, UK
T: +44 (0)20 7383 6250
F: +44 (0)20 7383 6668
E: ard@bmj.com
Twitter: @ARD_BMJ
ISSN: 0003-4967 (print)
ISSN: 1468-2060 (online)
Impact Factor: 12.384

Disclaimer: ARD is owned and published by BMJ Publishing Group Ltd (a wholly owned subsidiary of the British Medical Association) and the European League Against Rheumatism. The owners grant editorial freedom to the Editor of ARD. ARD follows guidelines on editorial independence produced by the World Association of Medical Editors and the code on good publication practice of the Committee on Publication Ethics.

ARD is intended for medical professionals and is provided without warranty, express or implied. Statements in the journal are the responsibility of their authors and advertisers and not authors' institutions the BMJ Publishing Group, the European League Against Rheumatism or the BMA unless otherwise specified or determined by law. Acceptance of advertising does not imply endorsement.

To the fullest extent permitted by law, the BMJ Publishing Group shall not be liable for any loss, injury or damage resulting from the use of ARD or any information in it whether based on contract, tort, or otherwise. Readers are advised to verify any information they choose to rely on.

Copyright: © 2016 BMJ Publishing Group and European League Against Rheumatism. All rights reserved; no part of this publication may be reproduced stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise without prior permission

ARD is published by BMJ Publishing Group Ltd typeset by Nova Techset Private Limited, Bengaluru & Chennai, India and printed in the UK on acid-free paper.

Annals of the Rheumatic Diseases (ISSN No: 0003-4967) is published monthly by BMJ Publishing Group and distributed in the USA by Air Business Ltd. Periodicals postage paid at Jamaica NY 11431
POSTMASTER: send address changes to *Annals of the Rheumatic Diseases*, Air Business Ltd, c/o Worldnet Shipping Inc., 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA.

Editorial

- 2057** MAIT cells: not just another brick in the wall
K Debuschere, R J Lories, D Elewaut

Clinical and epidemiological research

- 2060** Ultrasound findings predict progression to inflammatory arthritis in anti-CCP antibody-positive patients without clinical synovitis
J L Nam, E M A Hensor, L Hunt, P G Conaghan, R J Wakefield, P Emery
- 2068** Subclinical joint inflammation in patients with psoriasis without concomitant psoriatic arthritis: a cross-sectional and longitudinal analysis
F Faustini, D Simon, I Oliveira, A Kleyer, J Haschka, M Englbrecht, A R Cavalcante, S Kraus, T P Tabosa, C Figueiredo, A J Hueber, R Kocijan, A Cavallaro, G Scheit, M Sücherling, J Rech
- 2075** Factors associated with change in radiographic damage scores in gout: a prospective observational study
A Eason, M E House, Z Vincent, J Knight, P Tan, A Horne, G D Gamble, A J Doyle, W J Taylor, N Dalbeth

- 2080** Association between rheumatoid arthritis disease activity, progression of functional limitation and long-term risk of orthopaedic surgery: combined analysis of two prospective cohorts supports EULAR treat to target DAS thresholds
E Nikitiphorou, S Norton, A Young, L Carpenter, J Dixey, D A Walsh, P Kiely, on behalf of ERAS and ERAN

- 2087** Response to biological treatment and subsequent risk of coronary events in rheumatoid arthritis
L Ljung, S Rantapää-Dahlqvist, L T H Jacobsson, J Askeling, for the ARTIS Study Group

- 2095** Predicting the 10-year risk of hip and major osteoporotic fracture in rheumatoid arthritis and in the general population: an independent validation and update of UK FRAX without bone mineral density
C Klop, F de Vries, J W J Bijlsma, H G M Leufkens, P M J Welsing

- 2101** Increased prevalence and severity of radiographic hand osteoarthritis in patients with HIV-1 infection associated with metabolic syndrome: data from the cross-sectional METAFIB-OA study
A-L Tomi, J Sellam, K Lacombe, S Fellahi, M Sebire, C Rey-Jouvin, A Miquel, J-P Bastard, E Maheu, I K Haugen, D T Felson, J Capeau, P-M Girard, F Berenbaum, J-L Meynard

- 2108** Ultrasonographic evaluation in psoriatic arthritis is of major importance in evaluating disease activity
B Michelsen, A P Diamantopoulos, H B Hammer, D M Soldal, A Kavanaugh, G Haugeberg

- 2114** High disease activity according to the Ankylosing Spondylitis Disease Activity Score is associated with accelerated radiographic spinal progression in patients with early axial spondyloarthritis: results from the GERman SPondyloarthritis Inception Cohort
D Poddubnyy, M Protopopov, H Haibel, J Braun, M Rudwaleit, J Sieper

- 2119** Tapering conventional synthetic DMARDs in patients with early arthritis in sustained remission: 2-year follow-up of the tREACH trial
T M Kuijper, J J Luime, P H P de Jong, A H Gerards, D van Zeben, I Tchevenikov, P B J de Sonnaville, M V van Krugten, B A Grillet, J M W Hazes, A E A M Weel

Basic and translational research

- 2124** IL-7 primes IL-17 in mucosal-associated invariant T (MAIT) cells, which contribute to the Th17-axis in ankylosing spondylitis
E Gracey, Z Qaiyum, I Almaghouth, D Lawson, S Karkei, N Avvaru, Z Zhang, Y Yao, V Ranganathan, Y Baglaenko, R D Inman
- 2133** *PKCδ* null mutations in a mouse model of osteoarthritis alter osteoarthritic pain independently of joint pathology by augmenting NGF/TrkA-induced axonal outgrowth
R Kc, X Li, J S Kroin, Z Liu, D Chen, G Xiao, B Levine, J Li, J L Hamilton, A J van Wijnen, M Piel, D A Shelly, D Brass, E Kolb, H-J Im
- 2142** Treatment with abatacept prevents experimental dermal fibrosis and induces regression of established inflammation-driven fibrosis
M Ponsoye, C Frantz, N Ruzehaji, C Nicco, M Elhai, B Ruiz, A Cauvet, S Pezet, M L Brandely, F Bateau, Y Allanore, J Avouac
- 2150** An ankylosing spondylitis-associated genetic variant in the *IL23R-IL12RB2* intergenic region modulates enhancer activity and is associated with increased Th1-cell differentiation
A R Roberts, M Vecellio, L Chen, A Ridley, A Cortes, J C Knight, P Bowness, C J Cohen, B P Wordsworth
- 2157** Methotrexate selectively targets human proinflammatory macrophages through a thymidylate synthase/p53 axis
C Municio, B S Palacios, L Estrada-Capetillo, A Benguria, A Dopazo, E García-Lorenzo, S Fernández-Arroyo, J Joven, M E Miranda-Carús, I González-Álvarez, A Puig-Kröger
- 2166** PPAR β/δ directs the therapeutic potential of mesenchymal stem cells in arthritis
P Luz-Crawford, N Ipseiz, G Espinosa-Carrasco, A Caicedo, G Tejedor, K Toupet, J Loriau, C Scholtysek, C Stoll, M Khoury, D Noël, C Jorgensen, G Krönke, F Djouad
- 2175** Pan PPAR agonist IVA337 is effective in prevention and treatment of experimental skin fibrosis
N Ruzehaji, C Frantz, M Ponsoye, J Avouac, S Pezet, T Guilbert, J-M Luccarini, P Broqua, J-L Junien, Y Allanore

MORE CONTENTS ►



EDITOR'S CHOICE

This article has been chosen by the Editor to be of special interest or importance and is freely available online.



OPEN ACCESS

This article has been made freely available online under the BMJ Journals Open Access scheme. See <http://ard.bmj.com/site/about/guidelines.xhtml#open>

COPE

Member since 2008

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics

<http://publicationethics.org/>



When you have finished with this please recycle it



MCQs

The online version of this article contains multiple choice questions hosted on BMJ Learning.

2184 Among human macrophages polarised to different phenotypes, the M-CSF-oriented cells present the highest pro-inflammatory response to the rheumatoid arthritis-specific immune complexes containing ACPA
C Clavel, L Ceccato, F Anquetil, G Serre, M Sebbag

2192 Dysregulated bioenergetics: a key regulator of joint inflammation



M Biniécka, M Canavan, T McGarry, W Gao, J McCormick, S Cregan, L Gallagher, T Smith, J J Phelan, J Ryan, J O'Sullivan, C T Ng, D J Veale, U Fearon

2201 Synovial fluid mononuclear cells provide an environment for long-term survival of antibody-secreting cells and promote the spontaneous production of anti-citrullinated protein antibodies
P F Kerkerman, A C Kempers, E I H van der Voort, M van Oosterhout, T W J Huizinga, R E M Toes, H U Scherer

2208 A single endoplasmic reticulum aminopeptidase-1 protein allotype is a strong risk factor for Behçet's disease in HLA-B*51 carriers

M Takeuchi, M J Ombrello, Y Kirino, B Erer, I Tugal-Tuteum, E Seyahi, Y Özyazgan, N R Watts, A Gül, D L Kastner, E F Remmers

Letters

2213 Reliability of mSASSS scoring in everyday practice in DESIR-cohort study centres: cross-sectional study of agreement with trained readers

P Claudepierre, M S M de Hooge, A Feydy, M Reijnerse, A Saraux, M Dougados, D van der Heijde

2214 Tofacitinib for polyarteritis nodosa: a tailored therapy

D Rimar, A Alpert, E Starosvetsky, I Rosner, G Slobodin, M Rozenbaum, L Kaly, N Boulman, A Awisat, S Ginsberg, K Zilber, S S Shen-Orr

Electronic pages

Correspondence

e75 JAK inhibition in STING-associated interferonopathy
M P Rodero, M-L Frémond, G I Rice, B Neven, Y J Crow

e76 Response to: 'JAK inhibition in STING-associated interferonopathy' by Crow *et al*
V Tüngler, N König, C Günther, K Engel, C Fiehn, M Smitka, M von der Hagen, R Berner, M A Lee-Kirsch

e77 Remission in SLE: the duration depends on multiple factors, including the definition
A Doria, M Zen, L Iaccarino

e78 Response to: 'Remission in SLE: the duration depends on multiple factors, including the definition' by Doria *et al*
T R Wilhelm, L S Magder, M Petri

e79 Response to: 'Remission in systemic lupus erythematosus: durable remission is rare' by Wilhelm *et al*
M Nikpour, on behalf of the Asia Pacific Lupus Collaboration

e80 Response to Dr Nikpour's letter
T R Wilhelm, L S Magder, M Petri

e81 Monocyte type I interferon signature in antiphospholipid syndrome is related to proinflammatory monocyte subsets, hydroxychloroquine and statin use
L L van den Hoogen, R D E Fritsch-Stork, M A Versnel, R H W M Derksen, J A G van Roon, T R D J Radstake

e82 Response to: 'Monocyte type I interferon signature in antiphospholipid syndrome is related to pro-inflammatory monocyte subsets, hydroxychloroquine and statin use' by van den Hoogen *et al*
S Yalavarthi, R C Grenn, J S Knight

e83 Disease activity and left ventricular systolic function in rheumatoid arthritis
A Giollo, G Goffi, F Ognibeni, A Dalbeni, D Gatti, L Idolazzi, M Rossini, O Viapiana

e84 Response to: 'Disease activity and left ventricular systolic function in rheumatoid arthritis' by Giollo *et al*
H Midtbo, A G Semb, K Matre, T K Kvien, E Gerds