

Stanford



Bill Robinson

Professor of Medicine (Immunology and Rheumatology)

Medicine - Immunology & Rheumatology

CLINICAL OFFICES

- **VA Palo Alto Geriatric Research, Education and Clinical Center**

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Bio

CLINICAL FOCUS

- Immunology and Rheumatology
- Rheumatology

ACADEMIC APPOINTMENTS

- Professor, Medicine - Immunology & Rheumatology
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute

PROFESSIONAL EDUCATION

- Board Certification: Rheumatology, American Board of Internal Medicine (2002)
- Fellowship: Stanford University Medical Center (2002) CA
- Residency: UCSF Medical Center (1998) CA
- Internship: UCSF Medical Center (1997) CA
- Medical Education: Stanford University School of Medicine (1996) CA

LINKS

- Robinson Lab: <http://robinsonlab.stanford.edu>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Research Overview

Our laboratory is pursuing two major lines of research.

1. The first is the study of autoimmunity. Autoimmune diseases affect 3-5% of the world population, yet the pathogenesis of most autoimmune diseases is unclear. Moreover, current therapies globally modulate immune function, resulting in potentially fatal side effects, and are not curative, serving only to slow disease progression.

- A major objective of our research is to understand the mechanisms underpinning the initiation, natural remission, and progression of autoimmune diseases#particularly of rheumatoid arthritis (RA) and multiple sclerosis (MS)#and to develop targeted therapeutics that cure these diseases without incurring serious adverse side effects.

- Another important goal is to develop biomarker assays that can guide therapeutic decision-making in clinical practice. Effective treatment of RA and MS has been impeded by the heterogeneity of the diseases#by identifying molecular ‘signatures’ of disease subtypes, we hope to ultimately develop clinical tests that enable therapy to be tailored to the individual patient.

2. The second line of research is the study of osteoarthritis (OA), the most common form of arthritis. Unlike RA, OA is not an autoimmune disorder and is generally believed to result from ‘wear and tear’. However, inflammation is emerging as an important component of OA, prompting a reassessment of our understanding of OA pathology. This recent discovery has raised a slew of intriguing questions about the role of inflammation in OA and suggested new possibilities for therapeutic intervention.

- We are working to elucidate the pathogenesis of and develop therapies for OA, a disorder for which there is currently no treatment other than pain alleviation.

CLINICAL TRIALS

- Genetic and Environmental Factors in the Response to Influenza Vaccination, Not Recruiting

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Alejandro Gomez, Tobias Lanz, Xiaoyi Zhao

Postdoctoral Research Mentor

Alejandro Gomez, Tobias Lanz, Xiaoyi Zhao

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Immunology (Phd Program)
- Medicine (Masters Program)

Publications

PUBLICATIONS

- **Affinity Maturation of the Anti-Citrullinated Protein Antibody Paratope Drives Epitope Spreading and Polyreactivity in Rheumatoid Arthritis.** *Arthritis & rheumatology (Hoboken, N.J.)*
Kongpachith, S., Lingampalli, N., Ju, C., Blum, L. K., Lu, D. R., Elliott, S. E., Mao, R., Robinson, W. H.
2019
- **Affinity Maturation Drives Epitope Spreading and Generation of Pro-inflammatory Anti-Citrullinated Protein Antibodies in Rheumatoid Arthritis.** *Arthritis & rheumatology (Hoboken, N.J.)*
Elliott, S. E., Kongpachith, S., Lingampalli, N., Adamska, J. Z., Cannon, B. J., Mao, R., Blum, L. K., Robinson, W. H.

2018

- **T cell-dependent affinity maturation and innate immune pathways differentially drive autoreactive B cell responses in rheumatoid arthritis.** *Arthritis & rheumatology (Hoboken, N.J.)*
Lu, D. R., McDavid, A. N., Kongpachith, S., Lingampalli, N., Glanville, J., Ju, C., Gottardo, R., Robinson, W. H.
2018
- **Non-progressing cancer patients have persistent B cell responses expressing shared antibody paratopes that target public tumor antigens** *CLINICAL IMMUNOLOGY*
DeFalco, J., Harbell, M., Manning-Bog, A., Baia, G., Scholz, A., Millare, B., Sumi, M., Zhang, D., Chu, F., Dowd, C., Zuno-Mitchell, P., Kim, D., Leung, et al
2018; 187: 37-45
- **Low-grade inflammation as a key mediator of the pathogenesis of osteoarthritis.** *Nature reviews. Rheumatology*
Robinson, W. H., Lepus, C. M., Wang, Q., Raghu, H., Mao, R., Lindstrom, T. M., Sokolove, J.
2016; 12 (10): 580-592
- **Elevated IgA Plasmablast Levels in Subjects at Risk of Developing Rheumatoid Arthritis.** *Arthritis & rheumatology*
Kinslow, J. D., Blum, L. K., Deane, K. D., Demoruelle, M. K., Okamoto, Y., Parish, M. C., Kongpachith, S., Lahey, L. J., Norris, J. M., Robinson, W. H., Holers, V. M.
2016; 68 (10): 2372-2383
- **Sequencing the functional antibody repertoire-diagnostic and therapeutic discovery** *NATURE REVIEWS RHEUMATOLOGY*
Robinson, W. H.
2015; 11 (3): 171-182
- **Barcode-Enabled Sequencing of Plasmablast Antibody Repertoires in Rheumatoid Arthritis** *ARTHRITIS & RHEUMATOLOGY*
Tan, Y., Kongpachith, S., Blum, L. K., Ju, C., Lahey, L. J., Lu, D. R., Cai, X., Wagner, C. A., Lindstrom, T. M., Sokolove, J., Robinson, W. H.
2014; 66 (10): 2706-2715
- **Identifying functional anti-Staphylococcus aureus antibodies by sequencing antibody repertoires of patient plasmablasts** *CLINICAL IMMUNOLOGY*
Lu, D. R., Tan, Y., Kongpachith, S., Cai, X., Stein, E. A., Lindstrom, T. M., Sokolove, J., Robinson, W. H.
2014; 152 (1-2): 77-89
- **Rheumatoid Factor as a Potentiator of Anti-Citrullinated Protein Antibody-Mediated Inflammation in Rheumatoid Arthritis** *ARTHRITIS & RHEUMATOLOGY*
Sokolove, J., Johnson, D. S., Lahey, L. J., Wagner, C. A., Cheng, D., Thiele, G. M., Michaud, K., Sayles, H., Reimold, A. M., Caplan, L., Cannon, G. W., Kerr, G., Mikuls, et al
2014; 66 (4): 813-821
- **High-throughput sequencing of natively paired antibody chains provides evidence for original antigenic sin shaping the antibody response to influenza vaccination.** *Clinical immunology*
Tan, Y., Blum, L. K., Kongpachith, S., Ju, C., Cai, X., Lindstrom, T. M., Sokolove, J., Robinson, W. H.
2014; 151 (1): 55-65
- **Autoantibody Epitope Spreading in the Pre-Clinical Phase Predicts Progression to Rheumatoid Arthritis** *PLOS ONE*
Sokolove, J., Bromberg, R., Deane, K. D., Lahey, L. J., Derber, L. A., Chandra, P. E., Edison, J. D., Gilliland, W. R., Tibshirani, R. J., Norris, J. M., Holers, V. M., Robinson, W. H.
2012; 7 (5)
- **Identification of a central role for complement in osteoarthritis** *NATURE MEDICINE*
Wang, Q., Rozelle, A. L., Lepus, C. M., Scanzello, C. R., Song, J. J., Larsen, D. M., Crish, J. F., Bebek, G., Ritter, S. Y., Lindstrom, T. M., Hwang, I., Wong, H. H., Punzi, et al
2011; 17 (12): 1674-U196
- **Plasma carboxypeptidase B downregulates inflammatory responses in autoimmune arthritis** *JOURNAL OF CLINICAL INVESTIGATION*
Song, J. J., Hwang, I., Cho, K. H., Garcia, M. A., Kim, A. J., Wang, T. H., Lindstrom, T. M., Lee, A. T., Nishimura, T., Zhao, L., Morser, J., Nesheim, M., Goodman, et al
2011; 121 (9): 3517-3527
- **Immune Complexes Containing Citrullinated Fibrinogen Costimulate Macrophages via Toll-like Receptor 4 and Fc gamma Receptor** *ARTHRITIS AND RHEUMATISM*
Sokolove, J., Zhao, X., Chandra, P. E., Robinson, W. H.

2011; 63 (1): 53-62

- **Tyrosine kinases as targets for the treatment of rheumatoid arthritis** *NATURE REVIEWS RHEUMATOLOGY*
Swanson, C. D., Paniagua, R. T., Lindstrom, T. M., Robinson, W. H.
2009; 5 (6): 317-324
- **Molecular Framework for Response to Imatinib Mesylate in Systemic Sclerosis** *ARTHRITIS AND RHEUMATISM*
Chung, L., Fiorentino, D. F., Benbarak, M. J., Adler, A. S., Mariano, M. M., Paniagua, R. T., Milano, A., Connolly, M. K., Ratiner, B. D., Wiskocil, R. L., Whitfield, M. L., Chang, H. Y., Robinson, et al
2009; 60 (2): 584-591
- **Blood autoantibody and cytokine profiles predict response to anti-tumor necrosis factor therapy in rheumatoid arthritis** *ARTHRITIS RESEARCH & THERAPY*
Hueber, W., Tomooka, B. H., Batliwalla, F., Li, W., Monach, P. A., Tibshirani, R. J., Van Vollenhoven, R. F., Lampa, J., Saito, K., Tanaka, Y., Genovese, M. C., Klareskog, L., Gregersen, et al
2009; 11 (3)
- **Proteomic analysis of active multiple sclerosis lesions reveals therapeutic targets** *NATURE*
Han, M. H., Hwang, S., Roy, D. B., Lundgren, D. H., Price, J. V., Ousman, S. S., Fernald, G. H., Gerlitz, B., Robinson, W. H., Baranzini, S. E., Grinnell, B. W., Raine, C. S., Sobel, et al
2008; 451 (7182): 1076-U2
- **Selective tyrosine kinase inhibition by imatinib mesylate for the treatment of autoimmune arthritis** *JOURNAL OF CLINICAL INVESTIGATION*
Paniagua, R. T., Sharpe, O., Ho, P. P., Chan, S. M., Chang, A., Higgins, J. P., Tomooka, B. H., Thomas, F. M., Song, J. J., Goodman, S. B., Lee, D. M., Genovese, M. C., Utz, et al
2006; 116 (10): 2633-2642
- **Lipid microarrays identify key mediators of autoimmune brain inflammation** *NATURE MEDICINE*
Kanter, J. L., Narayana, S., Ho, P. P., Catz, I., Warren, K. G., Sobel, R. A., Steinman, L., Robinson, W. H.
2006; 12 (1): 138-143
- **Protein microarrays guide tolerizing DNA vaccine treatment of autoimmune encephalomyelitis** *NATURE BIOTECHNOLOGY*
Robinson, W. H., Fontoura, P., Lee, B. J., de Vegvar, H. E., Tom, J., Pedotti, R., DiGennaro, C. D., Mitchell, D. J., Fong, D., Ho, P. P., Ruiz, P. J., Maverakis, E., Stevens, et al
2003; 21 (9): 1033-1039
- **Autoantigen microarrays for multiplex characterization of autoantibody responses** *NATURE MEDICINE*
Robinson, W. H., DiGennaro, C., Hueber, W., Haab, B. B., KAMACHI, M., Dean, E. J., Fournel, S., Fong, D., Genovese, M. C., de Vegvar, H. E., Skriner, K., Hirschberg, D. L., Morris, et al
2002; 8 (3): 295-301
- **Histologic and transcriptional evidence of subclinical synovial inflammation in rheumatoid arthritis patients in clinical remission.** *Arthritis & rheumatology (Hoboken, N.J.)*
Orange, D. E., Agius, P., DiCarlo, E. F., Mirza, S., Pannellini, T., Szymonifka, J., Jiang, C. S., Figgie, M. P., Frank, M. O., Robinson, W. H., Donlin, L. T., Rozo, C., Gravallese, et al
2019
- **Discovery of Distinct Immune Phenotypes Using Machine Learning in Pulmonary Arterial Hypertension.** *Circulation research*
Sweatt, A. J., Hedlin, H. K., Balasubramanian, V., Hsi, A., Blum, L. K., Robinson, W. H., Haddad, F., Hickey, P. M., Condliffe, R. A., Lawrie, A., Nicolls, M. R., Rabinovitch, M., Khatri, et al
2019
- **Higher C6 enzyme immunoassay index values correlate with a diagnosis of noncutaneous Lyme disease.** *Diagnostic microbiology and infectious disease*
Nigrovic, L. E., Lipsett, S. C., Molins, C. R., Wormser, G. P., Bennett, J. E., Garro, A. C., Levas, M. N., Balamuth, F., Neville, D., Lingampalli, N., Robinson, W. H., Branda, J. A.
2018
- **Direct Diagnostic Tests for Lyme Disease.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
Schutzer, S. E., Body, B. A., Boyle, J., Branson, B. M., Dattwyler, R. J., Fikrig, E., Gerald, N. J., Gomes-Solecki, M., Kintrup, M., Ledizet, M., Levin, A. E., Lewinski, M., Liotta, et al
2018

- **Engineered DNA plasmid reduces immunity to dystrophin while improving muscle force in a model of gene therapy of Duchenne dystrophy.** *Proceedings of the National Academy of Sciences of the United States of America*
Ho, P. P., Lahey, L. J., Mourkioti, F., Kraft, P. E., Filareto, A., Brandt, M., Magnusson, K. E., Finn, E. E., Chamberlain, J. S., Robinson, W. H., Blau, H. M., Steinman, L.
2018
- **Antibodies to Citrullinated Protein Antigens Are Associated with Risk of Cardiovascular Disease in Community-Dwelling Women: The Multi-Ethnic Study of Atherosclerosis**
Hughes-Austin, J. M., Katz, R., Firestein, G. S., Criqui, M. H., Robinson, W. H., Ix, J. H.
WILEY.2018
- **Characterization of Monoclonal Anti-PAD4 Autoantibodies from Rheumatoid Arthritis Patients: Functional Implications for Citrullination and Disease Progression**
Gomez, A., Kongpachith, S., Lingampalli, N., Cisar, C., Robinson, W. H.
WILEY.2018
- **Expanded Autoantibody Profiles Predict Treatment Response to Biologic Therapy in Rheumatoid Arthritis**
Mikuls, T. R., Bath, A., England, B. R., Duryee, M. J., Hunter, C. D., Kremer, J., Pappas, D. A., Robinson, W. H., Curtis, J. R., Thiele, G. M.
WILEY.2018
- **Histologic and Transcriptional Evidence of Subclinical Synovial Inflammation in Rheumatoid Arthritis Patients in Clinical Remission**
Orange, D., Agius, P., DiCarlo, E. F., Mirza, S. Z., Rozo, C., Pannellini, T., Figgie, M. P., Robinson, W. H., Szymonifka, J., Bykerk, V. P., Donlin, L. T., Goodman, S. M.
WILEY.2018
- **Antibody Repertoire Dynamics in Systemic Sclerosis after Myeloablative Autologous Hematopoietic Stem-Cell Transplantation or Cyclophosphamide Treatment**
Adamska, J. Z., Crofford, L., Furst, D. E., Goldmuntz, E., Keyes-Elstein, L., Mayes, M. D., McSweeney, P., Nash, R., Pinckney, A., Welch, B., Sullivan, K., Robinson, W. H.
WILEY.2018
- **Serum Cytokine and Chemokine Concentrations Predict Incident Cancer in US Veterans with Rheumatoid Arthritis**
England, B. R., Sayles, H., Roul, P., Ganti, A., Sokolove, J., Robinson, W. H., Cannon, G. W., Sauer, B., Baker, J. F., Thiele, G. M., Mikuls, T. R.
WILEY.2018
- **Characterization of Preferential Recognition of a Chimeric Recombinant Proteinase 3 Variant By Anti-Neutrophil Cytoplasmic Antibodies**
Thompson, G., Moura, M., Nelson, D., Hummel, A., Jenne, D. E., Ferverza, F., Hoffman, G. S., Kallenberg, C. M., Langford, C., McCune, J. W., Merkel, P. A., Monach, P. A., Seo, et al
WILEY.2018
- **Vertebral Compression Fractures and Antibodies to Citrullinated Vimentin in Established Rheumatoid Arthritis**
Cheah, J., Carrino, J. A., Robinson, W. H., Orange, D., Szymonifka, J., Stein, E. M., Goodman, S. M.
WILEY.2018
- **Rheumatoid Factor Peptide Expression By Quantitative Proteomics Delineates Responsive and Resistant Clones after Treatment of Early Rheumatoid Arthritis**
Wang, J., Murray-Brown, W., Colella, A., Smith, M. D., Chataway, T., Walker, J., Robinson, W. H., Wechalekar, M. D., Gordon, T.
WILEY.2018
- **Robust B Cell Responses Predict Rapid Resolution of Lyme Disease** *FRONTIERS IN IMMUNOLOGY*
Blum, L. K., Adamska, J. Z., Martin, D. S., Rebman, A. W., Elliott, S. E., Cao, R. L., Embers, M. E., Aucott, J. N., Soloski, M. J., Robinson, W. H.
2018; 9
- **Methods for high-dimensional analysis of cells dissociated from cryopreserved synovial tissue** *ARTHRITIS RESEARCH & THERAPY*
Donlin, L. T., Rao, D. A., Wei, K., Slowikowski, K., McGeachy, M. J., Turner, J. D., Meednu, N., Mizoguchi, F., Gutierrez-Arcelus, M., Lieb, D. J., Keegan, J., Muskat, K., Hillman, et al
2018; 20: 139
- **Chemerin 156F, generated by chymase cleavage of prochemerin, is elevated in joint fluids of arthritis patients.** *Arthritis research & therapy*
Zhao, L., Yamaguchi, Y., Ge, X., Robinson, W. H., Morser, J., Leung, L. L.
2018; 20 (1): 132

- **Plasma adiponectin levels are associated with circulating inflammatory cytokines in autoantibody positive first-degree relatives of rheumatoid arthritis patients** *PLOS ONE*
Hughes-Austin, J. M., Deane, K. D., Giles, J. T., Derber, L. A., Zerbe, G. O., Dabelea, D. M., Sokolove, J., Robinson, W. H., Holers, V., Norris, J. M.
2018; 13 (6): e0199578
- **Combination of anti-citrullinated protein antibodies and rheumatoid factor is associated with increased systemic inflammatory mediators and more rapid progression from preclinical to clinical rheumatoid arthritis.** *Clinical immunology (Orlando, Fla.)*
Lingampalli, N., Sokolove, J., Lahey, L. J., Edison, J. D., Gilliland, W. R., Michael Holers, V., Deane, K. D., Robinson, W. H.
2018
- **Revealing the specificity of regulatory T cells in murine autoimmune diabetes** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Spence, A., Purtha, W., Tam, J., Dong, S., Kim, Y., Ju, C., Sterling, T., Nakayama, M., Robinson, W. H., Bluestone, J. A., Anderson, M. S., Tang, Q.
2018; 115 (20): 5265–70
- **Identification of Three Rheumatoid Arthritis Disease Subtypes by Machine Learning Integration of Synovial Histologic Features and RNA Sequencing Data** *ARTHRITIS & RHEUMATOLOGY*
Orange, D. E., Agius, P., DiCarlo, E. F., Robine, N., Geiger, H., Szymonifka, J., McNamara, M., Cummings, R., Andersen, K. M., Mirza, S., Figgie, M., Ivashkiv, L. B., Pernis, et al
2018; 70 (5): 690–701
- **Advances in Serodiagnostic Testing for Lyme Disease Are at Hand** *CLINICAL INFECTIOUS DISEASES*
Branda, J. A., Body, B. A., Boyle, J., Branson, B. M., Dattwyler, R. J., Fikrig, E., Gerald, N. J., Gomes-Solecki, M., Kintrup, M., Ledizet, M., Levin, A. E., Lewinski, M., Liotta, et al
2018; 66 (7): 1133–39
- **Antibody Responses to Citrullinated and Noncitrullinated Antigens in the Sputum of Subjects With Rheumatoid Arthritis and Subjects at Risk for Development of Rheumatoid Arthritis** *ARTHRITIS & RHEUMATOLOGY*
Demoruelle, M., Bowers, E., Lahey, L. J., Sokolove, J., Purmalek, M., Seto, N. L., Weisman, M. H., Norris, J. M., Kaplan, M. J., Holers, V., Robinson, W. H., Deane, K. D.
2018; 70 (4): 516–27
- **Response to comment on "Synovial fibroblast-neutrophil interactions promote pathogenic adaptive immunity in rheumatoid arthritis"** *SCIENCE IMMUNOLOGY*
Carmona-Rivera, C., Bicker, K. L., Thompson, P. R., Buckner, J. H., Robinson, W. H., Fox, D. A., Kaplan, M. J.
2018; 3 (21)
- **Plasmablast antibody repertoires in elderly influenza vaccine responders exhibit restricted diversity but increased breadth of binding across influenza strains.** *Clinical immunology (Orlando, Fla.)*
Ju, C., Blum, L. K., Kongpachith, S., Lingampalli, N., Mao, R., Brodin, P., Dekker, C. L., Davis, M. M., Robinson, W. H.
2018
- **Men and Women Differ in the Biochemical Composition of Platelet-Rich Plasma** *AMERICAN JOURNAL OF SPORTS MEDICINE*
Xiong, G., Lingampalli, N., Koltsov, J. B., Leung, L. L., Bhutani, N., Robinson, W. H., Chu, C. R.
2018; 46 (2): 409–19
- **Identification of differentially expressed micro-RNA in rotator cuff tendinopathy** *MLTJ-MUSCLES LIGAMENTS AND TENDONS JOURNAL*
Hall, K. E., Sarkissian, E. J., Sharpe, O., Robinson, W. H., Abrams, G. D.
2018; 8 (1): 8–14
- **Circulating plasmablasts are elevated and produce pathogenic anti-endothelial cell autoantibodies in idiopathic pulmonary arterial hypertension.** *European journal of immunology*
Blum, L. K., Cao, R. R., Sweatt, A. J., Bill, M., Lahey, L. J., Hsi, A. C., Lee, C. S., Kongpachith, S., Ju, C. H., Mao, R., Wong, H. H., Nicolls, M. R., Zamanian, et al
2018
- **The tyrosine kinase inhibitor imatinib mesylate suppresses uric acid crystal-induced acute gouty arthritis in mice** *PLOS ONE*
Reber, L. L., Starkl, P., Balbino, B., Sibilano, R., Gaudenzio, N., Rogalla, S., Sensarn, S., Kang, D., Raghu, H., Sokolove, J., Robinson, W. H., Contag, C. H., Tsai, et al
2017; 12 (10): e0185704

- **Methods for Generating Multiple High-Dimensional Analyses of Cryopreserved Synovial Tissue Developed By the Accelerating Medicines Partnership RA/SLE Network**
Rao, D., Donlin, L. T., Wei, K., Meednu, N., Turner, J., McGeachy, M. J., Mizoguchi, F., Keegan, J., Lederer, J., Gutierrez-Arcelus, M., Slowikowski, K., Muskat, K., Hillman, et al
WILEY.2017
- **Using Flow and Mass Cytometry to Demonstrate Robust Tissue Processing to Query Molecular Heterogeneity in Phase 1 of the Accelerating Medicines Partnership (AMP) - RA Network**
Wei, K., Rao, D., Zhang, F., Fonseka, C., Slowikowski, K., Keegan, J., Donlin, L. T., Turner, J., McGeachy, M. J., Meednu, N., Lieb, D., Kelly, S., Goodman, et al
WILEY.2017
- **Fibroblast-like Synovial Cell Production of ED-a Fibronectin Contributes to Inflammation in Osteoarthritis**
Kragstrup, T., Sohn, D., Lepus, C., Onuma, K., Wang, Q., Robinson, W. H., Sokolove, J.
WILEY.2017
- **Pharmacodynamic Analysis of Whole Blood Gene Expression over 2 Years in a Phase IIIb Head-to-Head Trial of Abatacept and Adalimumab in Patients with RA**
Jabado, O., Maldonado, M. A., Schiff, M., Weinblatt, M., Fleischmann, R., Robinson, W. H., Greenfield, A., Connolly, S. E.
WILEY.2017
- **Human Leukocyte Antigen Shared Epitope and Inflammation, Cardiovascular Disease, Cancer, and Mortality Among Postmenopausal Women in the Women's Health Initiative Rheumatoid Arthritis Study** *AMERICAN JOURNAL OF EPIDEMIOLOGY*
Talabi, M., Mackey, R. H., Kuller, L. H., Dorman, J. S., Deane, K. D., Robinson, W. H., Walitt, B. T., Chang, Y., Holers, V., Liu, S., Moreland, L. W.
2017; 186 (2): 245-54
- **VP4-and VP7-specific antibodies mediate heterotypic immunity to rotavirus in humans** *SCIENCE TRANSLATIONAL MEDICINE*
Nair, N., Feng, N., Blum, L. K., Sanyal, M., Ding, S., Jiang, B., Sen, A., Morton, J. M., He, X., Robinson, W. H., Greenberg, H. B.
2017; 9 (395)
- **CCL2/CCR2, but not CCL5/CCR5, mediates monocyte recruitment, inflammation and cartilage destruction in osteoarthritis** *ANNALS OF THE RHEUMATIC DISEASES*
Raghu, H., Lepus, C. M., Wang, Q., Wong, H. H., Lingampalli, N., Oliviero, F., Punzi, L., Giori, N. J., Goodman, S. B., Chu, C. R., Sokolove, J. B., Robinson, W. H.
2017; 76 (5)
- **Nicotine drives neutrophil extracellular traps formation and accelerates collagen-induced arthritis** *RHEUMATOLOGY*
Lee, J., Luria, A., Rhodes, C., Raghu, H., Lingampalli, N., Sharpe, O., Rada, B., Sohn, D. H., Robinson, W. H., Sokolove, J.
2017; 56 (4): 644-653
- **PKC-epsilon and TLR4 synergistically regulate resistin-mediated inflammation in human macrophages** *ATHEROSCLEROSIS*
Zuniga, M. C., Raghuraman, G., Hitchner, E., Weyand, C., Robinson, W., Zhou, W.
2017; 259: 51-59
- **Association of anti-citrullinated protein or peptide antibodies with left ventricular structure and function in rheumatoid arthritis** *RHEUMATOLOGY*
Geraldino-Pardilla, L., Russo, C., Sokolove, J., Robinson, W. H., Zartoshti, A., Van Eyk, J., Fert-Bober, J., Lima, J., Giles, J. T., Bathon, J. M.
2017; 56 (4): 534-540
- **Decreased Synovial Inflammation in Atraumatic Hip Microinstability Compared With Femoroacetabular Impingement.** *Arthroscopy*
Abrams, G. D., Luria, A., Sampson, J., Madding, R. A., Robinson, W. H., Safran, M. R., Sokolove, J.
2017; 33 (3): 553-558
- **PAD4 Inhibition is Sufficient for the Amelioration of Collagen-Induced Arthritis.** *Clinical and experimental immunology*
Willis, V. C., Banda, N. K., Cordova, K. N., Chandra, P. E., Robinson, W. H., Cooper, D. C., Lugo, D., Mehta, G., Taylor, S., Tak, P. P., Prinjha, R. K., Lewis, H. D., Holers, et al
2017
- **Identification of KRT16 as a target of an autoantibody response in complex regional pain syndrome** *EXPERIMENTAL NEUROLOGY*
Tajerian, M., Hung, V., Khan, H., Lahey, L. J., Sun, Y., Birklein, F., Kraemer, H. H., Robinson, W. H., Kingery, W. S., Clark, J. D.
2017; 287: 14-20
- **Upregulation of HERV-K is Linked to Immunity and Inflammation in Pulmonary Arterial Hypertension.** *Circulation*

- Saito, T., Miyagawa, K., Chen, S. Y., Tamosiuniene, R., Wang, L., Sharp, O., Samayoa, E., Harada, D., Moonen, J. A., Cao, A., Chen, P. I., Hennigs, J. K., Gu, et al
2017
- **Association of Antibodies to Citrullinated Protein Antigens with Blood Pressure in First-Degree Relatives of Rheumatoid Arthritis Patients: The Studies of the Etiology of Rheumatoid Arthritis** *AMERICAN JOURNAL OF NEPHROLOGY*
Hughes-Austin, J. M., Gan, R. W., Deane, K. D., Weisman, M. H., Demoruella, M., Sokolove, J., Robinson, W. H., Holers, V., Norris, J. M., Ix, J. H.
2017; 46 (6): 481–87
 - **Nicotine drives neutrophil extracellular traps formation and accelerates collagen-induced arthritis.** *Rheumatology (Oxford, England)*
Lee, J., Luria, A., Rhodes, C., Raghu, H., Lingampalli, N., Sharpe, O., Rada, B., Sohn, D. H., Robinson, W. H., Sokolove, J.
2016
 - **Association of anti-citrullinated protein or peptide antibodies with left ventricular structure and function in rheumatoid arthritis.** *Rheumatology (Oxford, England)*
Geraldino-Pardilla, L., Russo, C., Sokolove, J., Robinson, W. H., Zartoshti, A., Van Eyk, J., Fert-Bober, J., Lima, J., Giles, J. T., Bathon, J. M.
2016
 - **CCL2/CCR2, but not CCL5/CCR5, mediates monocyte recruitment, inflammation and cartilage destruction in osteoarthritis.** *Annals of the rheumatic diseases*
Raghu, H., Lepus, C. M., Wang, Q., Wong, H. H., Lingampalli, N., Oliviero, F., Punzi, L., Giori, N. J., Goodman, S. B., Chu, C. R., Sokolove, J. B., Robinson, W. H.
2016
 - **Associations of Circulating Cytokines and Chemokines With Cancer Mortality in Men With Rheumatoid Arthritis.** *Arthritis & rheumatology*
England, B. R., Sokolove, J., Robinson, W. H., Thiele, G. M., Ganti, A. K., Sayles, H., Michaud, K., Caplan, L., Davis, L. A., Cannon, G. W., Sauer, B., Singh, N., Blair Solow, et al
2016; 68 (10): 2394-2402
 - **Association of Anti-Citrullinated Peptide Antibodies with Coronary Artery Calcification in Rheumatoid Arthritis.** *Arthritis care & research*
Geraldino-Pardilla, L., Giles, J. T., Sokolove, J., Zartoshti, A., Robinson, W. H., Budoff, M., Detrano, R., Bokhari, S., Bathon, J. M.
2016
 - **Associations of Circulating Cytokines and Chemokines With Cancer Mortality in Men With Rheumatoid Arthritis** *ARTHRITIS & RHEUMATOLOGY*
England, B. R., Sokolove, J., Robinson, W. H., Thiele, G. M., Ganti, A. K., Sayles, H., Michaud, K., Caplan, L., Davis, L. A., Cannon, G. W., Sauer, B., Singh, N., Solow, et al
2016; 68 (10): 2394-2402
 - **Increased pretreatment serum IFN- γ ratio predicts non-response to tumour necrosis factor inhibition in rheumatoid arthritis** *ANNALS OF THE RHEUMATIC DISEASES*
Muskardin, T. W., Vashisht, P., Dorschner, J. M., Jensen, M. A., Chrobot, B. S., Kern, M., Curtis, J. R., Danila, M. I., Cofield, S. S., Shadick, N., Nigrovic, P. A., St Clair, E. W., Bingham, et al
2016; 75 (10): 1757-1762
 - **Elevated BMI and antibodies to citrullinated proteins interact to increase rheumatoid arthritis risk and shorten time to diagnosis: A nested case-control study of women in the Nurses' Health Studies.** *Seminars in arthritis and rheumatism*
Tedeschi, S. K., Cui, J., Arkema, E. V., Robinson, W. H., Sokolove, J., Lingampalli, N., Sparks, J. A., Karlson, E. W., Costenbader, K. H.
2016
 - **CCL19 as a Chemokine Risk Factor for Posttreatment Lyme Disease Syndrome: a Prospective Clinical Cohort Study.** *Clinical and vaccine immunology*
Aucott, J. N., Soloski, M. J., Rebman, A. W., Crowder, L. A., Lahey, L. J., Wagner, C. A., Robinson, W. H., Bechtold, K. T.
2016; 23 (9): 757-766
 - **Fractional Third and Fourth Dose of RTS,S/AS01 Malaria Candidate Vaccine: A Phase 2a Controlled Human Malaria Parasite Infection and Immunogenicity Study** *JOURNAL OF INFECTIOUS DISEASES*
Regules, J. A., Ciatelli, S. B., Bennett, J. W., Paolino, K. M., Twomey, P. S., Moon, J. E., Kathcart, A. K., Hauns, K. D., Komisar, J. L., Qabar, A. N., Davidson, S. A., Dutta, S., Griffith, et al
2016; 214 (5): 762-771
 - **Increased inflammation and disease activity among current cigarette smokers with rheumatoid arthritis: a cross-sectional analysis of US veterans.** *Rheumatology*
Sokolove, J., Wagner, C. A., Lahey, L. J., Sayles, H., Duryee, M. J., Reimold, A. M., Kerr, G., Robinson, W. H., Cannon, G. W., Thiele, G. M., Mikuls, T. R.

2016: -?

- **B cell depletion with rituximab in patients with rheumatoid arthritis: Multiplex bead array reveals the kinetics of IgG and IgA antibodies to citrullinated antigens** *JOURNAL OF AUTOIMMUNITY*
Cambridge, G., Leandro, M. J., Lahey, L. J., Fairhead, T., Robinson, W. H., Sokolove, J.
2016; 70: 22-30
- **Association of synovial inflammation and inflammatory mediators with glenohumeral rotator cuff pathology** *JOURNAL OF SHOULDER AND ELBOW SURGERY*
Abrams, G. D., Luria, A., Carr, R. A., Rhodes, C., Robinson, W. H., Sokolove, J.
2016; 25 (6): 989-997
- **Use of a MCL-1 inhibitor alone to de-bulk melanoma and in combination to kill melanoma initiating cells.** *Oncotarget*
Mukherjee, N., Lu, Y., Almeida, A., Lambert, K., Shiao, C., Su, J., Luo, Y., Fujita, M., Robinson, W. A., Robinson, S. E., Norris, D. A., Shellman, Y. G.
2016
- **Impact of baseline anti-cyclic citrullinated peptide-2 antibody concentration on efficacy outcomes following treatment with subcutaneous abatacept or adalimumab: 2-year results from the AMPLE trial** *ANNALS OF THE RHEUMATIC DISEASES*
Sokolove, J., Schiff, M., Fleischmann, R., Weinblatt, M. E., Connolly, S. E., Johnsen, A., Zhu, J., Maldonado, M. A., Patel, S., Robinson, W. H.
2016; 75 (4): 709-714
- **Anti-Insulin Immune Responses Are Detectable in Dogs with Spontaneous Diabetes** *PLOS ONE*
Kim, J., Furrow, E., Ritt, M. G., Utz, P. J., Robinson, W. H., Yu, L., Eckert, A., Stuebner, K., O'Brien, T. D., Steinman, L., Modiano, J. F.
2016; 11 (3)
- **The interleukin-20 receptor axis in early rheumatoid arthritis: novel links between disease-associated autoantibodies and radiographic progression** *ARTHRITIS RESEARCH & THERAPY*
Kragstrup, T. W., Greisen, S. R., Nielsen, M. A., Rhodes, C., Stengaard-Pedersen, K., Hetland, M. L., Horslev-Petersen, K., Junker, P., Ostergaard, M., Hvid, M., Vorup-Jensen, T., Robinson, W. H., Sokolove, et al
2016; 18
- **Biomarkers to guide clinical therapeutics in rheumatology?** *CURRENT OPINION IN RHEUMATOLOGY*
Robinson, W. H., Mao, R.
2016; 28 (2): 168-175
- **Multiplexed autoantigen microarrays identify HLA as a key driver of anti-desmoglein and -non-desmoglein reactivities in pemphigus** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Sajda, T., Hazelton, J., Patel, M., Seiffert-Sinha, K., Steinman, L., Robinson, W., Haab, B. B., Sinha, A. A.
2016; 113 (7): 1859-1864
- **Identification of Candidate Tolerogenic CD8(+) T Cell Epitopes for Therapy of Type 1 Diabetes in the NOD Mouse Model.** *Journal of diabetes research*
Yu, C., Burns, J. C., Robinson, W. H., Utz, P. J., Ho, P. P., Steinman, L., Frey, A. B.
2016; 2016: 9083103-?
- **Development of a Multiantigen Panel for Improved Detection of Borrelia burgdorferi Infection in Early Lyme Disease** *JOURNAL OF CLINICAL MICROBIOLOGY*
Lahey, L. J., Panas, M. W., Mao, R., Delanoy, M., Flanagan, J. J., Binder, S. R., Rebman, A. W., Montoya, J. G., Soloski, M. J., Steere, A. C., Dattwyler, R. J., Arnaboldi, P. M., Aucott, et al
2015; 53 (12): 3834-3841
- **Absence of keratin 8 or 18 promotes antimitochondrial autoantibody formation in aging male mice** *FASEB JOURNAL*
Toivola, D. M., Habtezion, A., Misiorek, J. O., Zhang, L., Nystrom, J. H., Sharpe, O., Robinson, W. H., Kwan, R., Omary, M. B.
2015; 29 (12): 5081-5089
- **Local Joint Inflammation and Histone Citrullination in a Murine Model of the Transition From Preclinical Autoimmunity to Inflammatory Arthritis** *ARTHRITIS & RHEUMATOLOGY*
Sohn, D. H., Rhodes, C., Onuma, K., Zhao, X., Sharpe, O., Gazitt, T., Shiao, R., Fert-Bober, J., Cheng, D., Lahey, L. J., Wong, H. H., Van Eyk, J., Robinson, et al
2015; 67 (11): 2877-2887
- **A Distinct Class of Antibodies May Be an Indicator of Gray Matter Autoimmunity in Early and Established Relapsing Remitting Multiple Sclerosis Patients** *ASN NEURO*

- Ligocki, A. J., Rivas, J. R., Rounds, W. H., Guzman, A. A., Li, M., Spadaro, M., Lahey, L., Chen, D., Henson, P. M., Graves, D., Greenberg, B. M., Frohman, E. M., Ward, et al
2015; 7 (5)
- **Rheumatoid Arthritis, Anti-Cyclic Citrullinated Peptide Positivity, and Cardiovascular Disease Risk in the Women's Health Initiative** *ARTHRITIS & RHEUMATOLOGY*
Mackey, R. H., Kuller, L. H., Deane, K. D., Walitt, B. T., Chang, Y., Holers, V. M., Robinson, W. H., Tracy, R. P., Hlatky, M. A., Eaton, C. B., Liu, S., Freiberg, M. S., Talabi, et al
2015; 67 (9): 2311-2322
 - **Vascular calcifications on hand radiographs in rheumatoid arthritis and associations with autoantibodies, cardiovascular risk factors and mortality** *RHEUMATOLOGY*
Solow, E. B., Yu, F., Thiele, G. M., Sokolove, J., Robinson, W. H., Pruhs, Z. M., Michaud, K. D., Erickson, A. R., Sayles, H., Kerr, G. S., Gaffo, A. L., Caplan, L., Davis, et al
2015; 54 (9): 1587-1595
 - **Mass cytometry analysis shows that a novel memory phenotype B cell is expanded in multiple myeloma.** *Cancer immunology research*
Hansmann, L., Blum, L., Ju, C., Liedtke, M., Robinson, W. H., Davis, M. M.
2015; 3 (6): 650-660
 - **Mass Cytometry Analysis Shows That a Novel Memory Phenotype B Cell Is Expanded in Multiple Myeloma** *CANCER IMMUNOLOGY RESEARCH*
Hansmann, L., Blum, L., Ju, C., Liedtke, M., Robinson, W. H., Davis, M. M.
2015; 3 (6): 650-660
 - **CD11c-mediated deletion of Flip promotes autoreactivity and inflammatory arthritis** *NATURE COMMUNICATIONS*
Huang, Q., Perlman, H., Birkett, R., Doyle, R., Fang, D., Haines, G. K., Robinson, W., Datta, S., Huang, Z., Li, Q., Phee, H., Pope, R. M.
2015; 6
 - **Malondialdehyde-Acetaldehyde Adducts and Anti-Malondialdehyde-Acetaldehyde Antibodies in Rheumatoid Arthritis** *ARTHRITIS & RHEUMATOLOGY*
Thiele, G. M., Duryee, M. J., Anderson, D. R., Klassen, L. W., Mohring, S. M., Young, K. A., Benissan-Messan, D., Sayles, H., Dusad, A., Hunter, C. D., Sokolove, J., Robinson, W. H., O'Dell, et al
2015; 67 (3): 645-655
 - **Identification of anticitrullinated protein antibody reactivities in a subset of anti-CCP-negative rheumatoid arthritis: association with cigarette smoking and HLA-DRB1 'shared epitope' alleles.** *Annals of the rheumatic diseases*
Wagner, C. A., Sokolove, J., Lahey, L. J., Bengtsson, C., Saevarsdottir, S., Alfredsson, L., Delaney, M., Lindstrom, T. M., Walker, R. P., Bromberg, R., Chandra, P. E., Binder, S. R., Klareskog, et al
2015; 74 (3): 579-586
 - **Associations of toll-like receptor (TLR)-4 single nucleotide polymorphisms and rheumatoid arthritis disease progression: An observational cohort study** *INTERNATIONAL IMMUNOPHARMACOLOGY*
Davis, M. L., LeVan, T. D., Yu, F., Sayles, H., Sokolove, J., Robinson, W., Michaud, K., Thiele, G. M., Mikuls, T. R.
2015; 24 (2): 346-352
 - **Alveolar Bone Loss Is Associated With Circulating Anti-Citrullinated Protein Antibody (ACPA) in Patients With Rheumatoid Arthritis** *JOURNAL OF PERIODONTOLOGY*
Gonzalez, S. M., Payne, J. B., Yu, F., Thiele, G. M., Erickson, A. R., Johnson, P. G., Schmid, M. J., Cannon, G. W., Kerr, G. S., Reimold, A. M., Sokolove, J., Robinson, W. H., Mikuls, et al
2015; 86 (2): 222-231
 - **The interleukin-20 receptor axis in early rheumatoid arthritis: novel links between disease-associated autoantibodies and radiographic progression.** *Arthritis research & therapy*
Kragstrup, T. W., Greisen, S. R., Nielsen, M. A., Rhodes, C., Stengaard-Pedersen, K., Hetland, M. L., Hørslev-Petersen, K., Junker, P., Østergaard, M., Hvid, M., Vorup-Jensen, T., Robinson, W. H., Sokolove, et al
2015; 18: 61-?
 - **Contribution of Mast Cell-Derived Interleukin-1 beta to Uric Acid Crystal-Induced Acute Arthritis in Mice** *ARTHRITIS & RHEUMATOLOGY*
Reber, L. L., Marichal, T., Sokolove, J., Starkl, P., Gaudenzio, N., Iwakura, Y., Karasuyama, H., Schwartz, L. B., Robinson, W. H., Tsai, M., Galli, S. J.
2014; 66 (10): 2881-2891
 - **Role of Protein Phosphatase Magnesium-Dependent 1A and Anti-Protein Phosphatase Magnesium-Dependent 1A Autoantibodies in Ankylosing Spondylitis** *ARTHRITIS & RHEUMATOLOGY*

- Kim, Y., Sohn, D. H., Zhao, X., Sokolove, J., Lindstrom, T. M., Yoo, B., Lee, C., Reveille, J. D., Taurog, J. D., Robinson, W. H.
2014; 66 (10): 2793-2803
- **Reply: To PMID 24497204.** *Arthritis & rheumatology*
Shelef, M. A., Sokolove, J., Robinson, W. H., Huttenlocher, A.
2014; 66 (9): 2644-2645
 - **Quantitative Radiologic Imaging Techniques for Articular Cartilage Composition: Toward Early Diagnosis and Development of Disease-Modifying Therapeutics for Osteoarthritis** *ARTHRITIS CARE & RESEARCH*
Oei, E. H., van Tiel, J., Robinson, W. H., Gold, G. E.
2014; 66 (8): 1129-1141
 - **Optical imaging of articular cartilage degeneration using near-infrared dipicolylamine probes.** *Biomaterials*
Hu, X., Wang, Q., Liu, Y., Liu, H., Qin, C., Cheng, K., Robinson, W., Gray, B. D., Pak, K. Y., Yu, A., Cheng, Z.
2014; 35 (26): 7511-7521
 - **Association of fine specificity and repertoire expansion of anticitrullinated peptide antibodies with rheumatoid arthritis associated interstitial lung disease** *ANNALS OF THE RHEUMATIC DISEASES*
Giles, J. T., Danoff, S. K., Sokolove, J., Wagner, C. A., Winchester, R., Pappas, D. A., Siegelman, S., Connors, G., Robinson, W. H., Bathon, J. M.
2014; 73 (8): 1487-1494
 - **Peptidylarginine Deiminase 4 Contributes to Tumor Necrosis Factor alpha-Induced Inflammatory Arthritis** *ARTHRITIS & RHEUMATOLOGY*
Shelef, M. A., Sokolove, J., Lahey, L. J., Wagner, C. A., Sackmann, E. K., Warner, T. F., Wang, Y., Beebe, D. J., Robinson, W. H., Huttenlocher, A.
2014; 66 (6): 1482-1491
 - **Periodontitis and Porphyromonas gingivalis in Patients With Rheumatoid Arthritis** *ARTHRITIS & RHEUMATOLOGY*
Mikuls, T. R., Payne, J. B., Yu, F., Thiele, G. M., Reynolds, R. J., Cannon, G. W., Markt, J., McGowan, D., Kerr, G. S., Redman, R. S., Reimold, A., Griffiths, G., Beatty, et al
2014; 66 (5): 1090-1100
 - **Rheumatoid Arthritis in the Womens Health Initiative: Methods and Baseline Evaluation** *AMERICAN JOURNAL OF EPIDEMIOLOGY*
Kuller, L. H., Mackey, R. H., Walitt, B. T., Deane, K. D., Holers, V. M., Robinson, W. H., Sokolove, J., Chang, Y., Moreland, L. W.
2014; 179 (7): 917-926
 - **Determinants of Mortality Among Postmenopausal Women in the Women's Health Initiative Who Report Rheumatoid Arthritis** *ARTHRITIS & RHEUMATOLOGY*
Kuller, L. H., Mackey, R. H., Walitt, B. T., Deane, K. D., Holers, V. M., Robinson, W. H., Sokolove, J., Chang, Y., Liu, S., Parks, C. G., Wright, N. C., Moreland, L. W.
2014; 66 (3): 497-507
 - **Brief report: carboxypeptidase B serves as a protective mediator in osteoarthritis.** *Arthritis & rheumatology (Hoboken, N.J.)*
Lepus, C. M., Song, J. J., Wang, Q., Wagner, C. A., Lindstrom, T. M., Chu, C. R., Sokolove, J., Leung, L. L., Robinson, W. H.
2014; 66 (1): 101-106
 - **Decreased plasma levels of soluble CD18 link leukocyte infiltration with disease activity in spondyloarthritis** *ARTHRITIS RESEARCH & THERAPY*
Kragstrup, T. W., Jalilian, B., Hvid, M., Kjaergaard, A., Ostgard, R., Schiøtz-Christensen, B., Jurik, A. G., Robinson, W. H., Vorup-Jensen, T., Deleuran, B.
2014; 16 (1)
 - **Decreased plasma levels of soluble CD18 link leukocyte infiltration with disease activity in spondyloarthritis.** *Arthritis research & therapy*
Kragstrup, T. W., Jalilian, B., Hvid, M., Kjergaard, A., Østgård, R., Schiøtz-Christensen, B., Jurik, A. G., Robinson, W. H., Vorup-Jensen, T., Deleuran, B.
2014; 16 (1): R42-?
 - **Oral and topical boswellic acid attenuates mouse osteoarthritis** *OSTEOARTHRITIS AND CARTILAGE*
Wang, Q., Pan, X., Wong, H. H., Wagner, C. A., Lahey, L. J., Robinson, W. H., Sokolove, J.
2014; 22 (1): 128-132
 - **Serum inflammatory mediators as markers of human lyme disease activity.** *PloS one*
Soloski, M. J., Crowder, L. A., Lahey, L. J., Wagner, C. A., Robinson, W. H., Aucott, J. N.
2014; 9 (4)
 - **Carboxypeptidase B Serves as a Protective Mediator in Osteoarthritis** *ARTHRITIS & RHEUMATOLOGY*

Lepus, C. M., Song, J. J., Wang, Q., Wagner, C. A., Lindstrom, T. M., Chu, C. R., Sokolove, J., Leung, L. L., Robinson, W. H.

2014; 66 (1): 101-106

- **Clinical optimization of antigen specific modulation of type 1 diabetes with the plasmid DNA platform** *CLINICAL IMMUNOLOGY*
Gottlieb, P., Utz, P. J., Robinson, W., Steinman, L.
2013; 149 (3): 297-306
- **Protein microarray analysis reveals BAFF-binding autoantibodies in systemic lupus erythematosus** *JOURNAL OF CLINICAL INVESTIGATION*
Price, J. V., Haddon, D. J., Kemmer, D., Delepine, G., Mandelbaum, G., Jarrell, J. A., Gupta, R., Balboni, I., Chakravarty, E. F., Sokolove, J., Shum, A. K., Anderson, M. S., Cheng, et al
2013; 123 (12): 5135-5145
- **Serum autoantibodies to myelin peptides distinguish acute disseminated encephalomyelitis from relapsing- remitting multiple sclerosis.** *Multiple sclerosis (Houndmills, Basingstoke, England)*
Van Haren, K., Tomooka, B. H., Kidd, B. A., Banwell, B., Bar-Or, A., Chitnis, T., Tenenbaum, S. N., Pohl, D., Rostasy, K., Dale, R. C., O'Connor, K. C., Hafler, D. A., Steinman, et al
2013; 19 (13): 1726-1733
- **Whole-genome sequencing identifies a recurrent functional synonymous mutation in melanoma** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Gartner, J. J., Parker, S. C., Prickett, T. D., Dutton-Regester, K., Stitzel, M. L., Lin, J. C., Davis, S., Simhadri, V. L., Jha, S., Katagiri, N., Gotea, V., Teer, J. K., Wei, et al
2013; 110 (33): 13481-13486
- **Relatives Without Rheumatoid Arthritis Show Reactivity to Anti-Citrullinated Protein/Peptide Antibodies That Are Associated With Arthritis-Related Traits: Studies of the Etiology of Rheumatoid Arthritis** *ARTHRITIS AND RHEUMATISM*
Young, K. A., Deane, K. D., Derber, L. A., Hughes-Austin, J. M., Wagner, C. A., Sokolove, J., Weisman, M. H., Buckner, J. H., Mikuls, T. R., O'Dell, J. R., Keating, R. M., Gregersen, P. K., Robinson, et al
2013; 65 (8): 1995-2004
- **Brief report: citrullination within the atherosclerotic plaque: a potential target for the anti-citrullinated protein antibody response in rheumatoid arthritis.** *Arthritis and rheumatism*
Sokolove, J., Brennan, M. J., Sharpe, O., Lahey, L. J., Kao, A. H., Krishnan, E., Edmundowicz, D., Lepus, C. M., Wasko, M. C., Robinson, W. H.
2013; 65 (7): 1719-1724
- **Citrullination Within the Atherosclerotic Plaque: A Potential Target for the Anti-Citrullinated Protein Antibody Response in Rheumatoid Arthritis** *ARTHRITIS AND RHEUMATISM*
Sokolove, J., Brennan, M. J., Sharpe, O., Lahey, L. J., Kao, A. H., Krishnan, E., Edmundowicz, D., Lepus, C. M., Wasko, M. C., Robinson, W. H.
2013; 65 (7): 1719-1724
- **Plasmid-Encoded Proinsulin Preserves C-Peptide While Specifically Reducing Proinsulin-Specific CD8+ T Cells in Type 1 Diabetes.** *Science translational medicine*
Roep, B. O., Solvason, N., Gottlieb, P. A., Abreu, J. R., Harrison, L. C., Eisenbarth, G. S., Yu, L., Leviten, M., Hagopian, W. A., Buse, J. B., von Herrath, M., Quan, J., King, et al
2013; 5 (191): 191ra82-?
- **Multiple cytokines and chemokines are associated with rheumatoid arthritis-related autoimmunity in first-degree relatives without rheumatoid arthritis: Studies of the Aetiology of Rheumatoid Arthritis (SERA)** *ANNALS OF THE RHEUMATIC DISEASES*
Hughes-Austin, J. M., Deane, K. D., Derber, L. A., Kolfenbach, J. R., Zerbe, G. O., Sokolove, J., Lahey, L. J., Weisman, M. H., Buckner, J. H., Mikuls, T. R., O'Dell, J. R., Keating, R. M., Gregersen, et al
2013; 72 (6): 901-907
- **Predictive Value of Autoantibody Testing for Validating Self-reported Diagnoses of Rheumatoid Arthritis in the Women's Health Initiative** *AMERICAN JOURNAL OF EPIDEMIOLOGY*
Walitt, B., Mackey, R., Kuller, L., Deane, K. D., Robinson, W., Holers, V. M., Chang, Y., Moreland, L.
2013; 177 (9): 887-893
- **Mechanistic biomarkers for clinical decision making in rheumatic diseases** *NATURE REVIEWS RHEUMATOLOGY*
Robinson, W. H., Lindstrom, T. M., Cheung, R. K., Sokolove, J.
2013; 9 (5): 267-276
- **Optimal approaches to data collection and analysis of potential immune mediated disorders in clinical trials of new vaccines** *VACCINE*

Da Silva, F. T., De Keyser, F., Lambert, P., Robinson, W. H., Westhovens, R., Sindic, C.

2013; 31 (14): 1870-1876

- **The exposure of autoantigens by microparticles underlies the formation of potent inflammatory components: the microparticle-associated immune complexes** *EMBO MOLECULAR MEDICINE*
Cloutier, N., Tan, S., Boudreau, L. H., Cramb, C., Subbaiah, R., Lahey, L., Albert, A., Shnayder, R., Gobezie, R., Nigrovic, P. A., Farndale, R. W., Robinson, W. H., Brisson, et al
2013; 5 (2): 235-249
- **Anti-citrullinated peptide autoantibodies, human leukocyte antigen shared epitope and risk of future rheumatoid arthritis: a nested case-control study** *ARTHRITIS RESEARCH & THERAPY*
Arkema, E. V., Goldstein, B. L., Robinson, W., Sokolove, J., Wagner, C. A., Malspeis, S., Rosner, B., Grodstein, F., Karlson, E. W., Costenbader, K. H.
2013; 15 (5)
- **Porphyromonas gingivalis and Disease-Related Autoantibodies in Individuals at Increased Risk of Rheumatoid Arthritis** *ARTHRITIS AND RHEUMATISM*
Mikuls, T. R., Thiele, G. M., Deane, K. D., Payne, J. B., O'Dell, J. R., Yu, F., Sayles, H., Weisman, M. H., Gregersen, P. K., Buckner, J. H., Keating, R. M., Derber, L. A., Robinson, et al
2012; 64 (11): 3522-3530
- **Oxidative stress-responsive microRNA-320 regulates glycolysis in diverse biological systems** *FASEB JOURNAL*
Tang, H., Lee, M., Sharpe, O., Salamone, L., Noonan, E. J., Hoang, C. D., Levine, S., Robinson, W. H., Shrager, J. B.
2012; 26 (11): 4710-4721
- **The Associations of HLA-DR Shared Epitope Alleles and Serum Cytokines Among Postmenopausal Women with Rheumatoid Factor and Anti-Citrullinated Protein Antibody-Positive Rheumatoid Arthritis.** *Annual Scientific Meeting of the American-College-of-Rheumatology (ACR) and Association-of-Rheumatology-Health-Professionals (ARHP)*
Talabi, M. B., Mackey, R., Moreland, L. W., Dorman, J., Deane, K. D., Sokolove, J., Holers, V. M., Robinson, W. H., Wallitt, B., Kuller, L.
WILEY-BLACKWELL.2012: S895-S895
- **Evolution of Preclinical Autoimmunity in Individuals At Risk for Development of Rheumatoid Arthritis** *Annual Scientific Meeting of the American-College-of-Rheumatology (ACR) and Association-of-Rheumatology-Health-Professionals (ARHP)*
El-Gabalawy, H. S., Robinson, D. B., Smolik, I., Hart, D. M., Ferucci, E. D., Newkirk, M. M., Fritzler, M. J., Cramb, C., Sokolove, J., Robinson, W. H.
WILEY-BLACKWELL.2012: S722-S722
- **Anti-Citrullinated Peptide Autoantibodies to Rheumatoid Synovium Epitopes in Women and Risk of Future Rheumatoid Arthritis.** *Annual Scientific Meeting of the American-College-of-Rheumatology (ACR) and Association-of-Rheumatology-Health-Professionals (ARHP)*
Arkema, E. V., Goldstein, B. L., Robinson, W. H., Cramb, C., Sokolove, J., Cui, J., Malspeis, S., Karlson, E. W., Costenbader, K. H.
WILEY-BLACKWELL.2012: S685-S686
- **Identification of Naturally Occurring Fatty Acids of the Myelin Sheath That Resolve Neuroinflammation** *SCIENCE TRANSLATIONAL MEDICINE*
Ho, P. P., Kanter, J. L., Johnson, A. M., Srinagesh, H. K., Chang, E., Purdy, T. M., Van Haren, K., Wikoff, W. R., Kind, T., Khademi, M., Matloff, L. Y., Narayana, S., Hur, et al
2012; 4 (137)
- **New tools for classification and monitoring of autoimmune diseases** *NATURE REVIEWS RHEUMATOLOGY*
Maecker, H. T., Lindstrom, T. M., Robinson, W. H., Utz, P. J., Hale, M., Boyd, S. D., Shen-Orr, S. S., Fathman, C. G.
2012; 8 (6): 317-328
- **Pre-analytical effects of blood sampling and handling in quantitative immunoassays for rheumatoid arthritis** *JOURNAL OF IMMUNOLOGICAL METHODS*
Zhao, X., Qureshi, F., Eastman, P. S., Manning, W. C., Alexander, C., Robinson, W. H., Hesterberg, L. K.
2012; 378 (1-2): 72-80
- **Inhibition of Epidermal Growth Factor Receptor Tyrosine Kinase Ameliorates Collagen-Induced Arthritis** *JOURNAL OF IMMUNOLOGY*
Swanson, C. D., Akama-Garren, E. H., Stein, E. A., Petralia, J. D., Ruiz, P. J., Edalati, A., Lindstrom, T. M., Robinson, W. H.
2012; 188 (7): 3513-3521
- **Therapeutic Effects of Systemic Administration of Chaperone alpha B-Crystallin Associated with Binding Proinflammatory Plasma Proteins** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Rothbard, J. B., Kurnellas, M. P., Brownell, S., Adams, C. M., Su, L., Axtell, R. C., Chen, R., Fathman, C. G., Robinson, W. H., Steinman, L.
2012; 287 (13): 9708-9721

- **Differential mTOR and ERK pathway utilization by effector CD4 T cells suggests combinatorial drug therapy of arthritis** *CLINICAL IMMUNOLOGY*
Lin, J. T., Stein, E. A., Wong, M. T., Kalpathy, K. J., Su, L. L., Utz, P. J., Robinson, W. H., Fathnman, C. G.
2012; 142 (2): 127-138
- **Development and deployment of antigen arrays for investigation of B-cell fine specificity in autoimmune disease.** *Frontiers in bioscience (Elite edition)*
Sokolove, J., Lindstrom, T. M., Robinson, W. H.
2012; 4: 320-330
- **Plasma proteins present in osteoarthritic synovial fluid can stimulate cytokine production via Toll-like receptor 4** *ARTHRITIS RESEARCH & THERAPY*
Sohn, D. H., Sokolove, J., Sharpe, O., Erhart, J. C., Chandra, P. E., Lahey, L. J., Lindstrom, T. M., Hwang, I., Boyer, K. A., Andriacchi, T. P., Robinson, W. H.
2012; 14 (1)
- **Response to 'Plasma proteins present in osteoarthritic synovial fluid can stimulate cytokine production via Toll-like receptor 4' - authors' reply** *ARTHRITIS RESEARCH & THERAPY*
Sohn, D. H., Sokolove, J., Sharpe, O., Erhart, J. C., Chandra, P. E., Lahey, L. J., Lindstrom, T. M., Hwang, I., Boyer, K. A., Andriacchi, T. P., Robinson, W. H.
2012; 14 (5)
- **Interleukin-34 produced by human fibroblast-like synovial cells in rheumatoid arthritis supports osteoclastogenesis** *ARTHRITIS RESEARCH & THERAPY*
Hwang, S., Choi, B., Kang, S., Chang, J., Kim, Y., Chung, Y., Sohn, D. H., So, M. W., Lee, C., Robinson, W. H., Chang, E.
2012; 14 (1)
- **Response to 'Plasma proteins present in osteoarthritic synovial fluid can stimulate cytokine production via Toll-like receptor 4' - authors' reply.** *Arthritis research & therapy*
Sohn, D. H., Sokolove, J., Sharpe, O., Erhart, J. C., Chandra, P. E., Lahey, L. J., Lindstrom, T. M., Hwang, I., Boyer, K. A., Andriacchi, T. P., Robinson, W. H.
2012; 14 (5): 406
- **Tyrosine Kinase Inhibitors Ameliorate Autoimmune Encephalomyelitis in a Mouse Model of Multiple Sclerosis** *JOURNAL OF CLINICAL IMMUNOLOGY*
Crespo, O., Kang, S. C., Daneman, R., Lindstrom, T. M., Ho, P. P., Sobel, R. A., Steinman, L., Robinson, W. H.
2011; 31 (6): 1010-1020
- **Chemerin158K Protein Is the Dominant Chemerin Isoform in Synovial and Cerebrospinal Fluids but Not in Plasma** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Zhao, L., Yamaguchi, Y., Sharif, S., Du, X., Song, J. J., Lee, D. M., Recht, L. D., Robinson, W. H., Morser, J., Leung, L. L.
2011; 286 (45): 39520-39527
- **Porphyromonas Gingivalis (P. gingivalis) is Associated with the Presence of Disease-Specific Autoantibodies in Individuals At Increased Risk for the Future Development of Rheumatoid Arthritis** *75th Annual Scientific Meeting of the American-College-of-Rheumatology/46th Annual Scientific Meeting of the Association-of-Rheumatology-Health-Professionals (ARHP)*
Mikuls, T. R., Deane, K. D., Payne, J., Thiele, G. M., O'Dell, J. R., Derber, L. A., Robinson, W. H., Holers, V. M., Norris, J. M.
WILEY-BLACKWELL.2011: S300-S300
- **Tyrosine kinases in inflammatory dermatologic disease** *JOURNAL OF THE AMERICAN ACADEMY OF DERMATOLOGY*
Paniagua, R. T., Fiorentino, D. F., Chung, L., Robinson, W. H.
2011; 65 (2): 389-403
- **Role of the Toll-like receptor pathway in the recognition of orthopedic implant wear-debris particles** *BIOMATERIALS*
Pearl, J. I., Ma, T., Irani, A. R., Huang, Z., Robinson, W. H., Smith, R. L., Goodman, S. B.
2011; 32 (24): 5535-5542
- **Human peptidome display** *NATURE BIOTECHNOLOGY*
Robinson, W. H., Steinman, L.
2011; 29 (6): 500-502
- **Chaperone Activity of alpha B-Crystallin Is Responsible for Its Incorrect Assignment as an Autoantigen in Multiple Sclerosis** *JOURNAL OF IMMUNOLOGY*
Rothbard, J. B., Zhao, X., Sharpe, O., Strohmman, M. J., Kurnellas, M., Mellins, E. D., Robinson, W. H., Steinman, L.
2011; 186 (7): 4263-4268
- **Development of peptide microarrays to investigate autoantibody epitope specificity in Pemphigus vulgaris** *71st Annual Meeting of the Society-for-Investigative-Dermatology*
Hazelton, J., Patel, M., Furstenberg, G., Tyagi, S., Haab, B. B., Robinson, W. H., Seiffert-Sinha, K., Sinha, A. A.

NATURE PUBLISHING GROUP.2011: S9–S9

- **N-alpha-Benzoyl-N5-(2-Chloro-1-Iminoethyl)-L-Ornithine Amide, a Protein Arginine Deiminase Inhibitor, Reduces the Severity of Murine Collagen-Induced Arthritis** *JOURNAL OF IMMUNOLOGY*
Willis, V. C., Gizinski, A. M., Banda, N. K., Causey, C. P., Knuckley, B., Cordova, K. N., Luo, Y., Levitt, B., Glogowska, M., Chandra, P., Kulik, L., Robinson, W. H., Arend, et al
2011; 186 (7): 4396-4404
- **Fishing for Biomarkers with Antigen Mimics** *CELL*
Lindstrom, T. M., Robinson, W. H.
2011; 144 (1): 13-15
- **Novel multiplex technology for diagnostic characterization of rheumatoid arthritis** *ARTHRITIS RESEARCH & THERAPY*
Chandra, P. E., Sokolove, J., Hipp, B. G., Lindstrom, T. M., Elder, J. T., Reveille, J. D., Eberl, H., Klause, U., Robinson, W. H.
2011; 13 (3)
- **The Bruton tyrosine kinase inhibitor PCI-32765 ameliorates autoimmune arthritis by inhibition of multiple effector cells** *ARTHRITIS RESEARCH & THERAPY*
Chang, B. Y., Huang, M. M., Francesco, M., Chen, J., Sokolove, J., Magadala, P., Robinson, W. H., Buggy, J. J.
2011; 13 (4)
- **The Number of Elevated Cytokines and Chemokines in Preclinical Seropositive Rheumatoid Arthritis Predicts Time to Diagnosis in an Age-Dependent Manner** *ARTHRITIS AND RHEUMATISM*
Deane, K. D., O'Donnell, C. I., Hueber, W., Majka, D. S., Lazar, A. A., Derber, L. A., Gilliland, W. R., Edison, J. D., Norris, J. M., Robinson, W. H., Holers, V. M.
2010; 62 (11): 3161-3172
- **A model for harmonizing flow cytometry in clinical trials.** *Nature immunology*
Maecker, H. T., McCoy, J. P., Amos, M., Elliott, J., Gaigalas, A., Wang, L., Aranda, R., Banchereau, J., Boshoff, C., Braun, J., Korin, Y., Reed, E., Cho, et al
2010; 11 (11): 975-978
- **Evaluation of an imatinib response gene signature in patients with systemic sclerosis**
Chung, L., Ruiz, P., Wood, T., Shoor, S., Robinson, W., Whitfield, M., Chang, H., Fiorentino, D.
CLINICAL & EXPER RHEUMATOLOGY.2010: S62–S62
- **Rheumatoid Arthritis: A Role for Immunosenescence?** *JOURNAL OF THE AMERICAN GERIATRICS SOCIETY*
Lindstrom, T. M., Robinson, W. H.
2010; 58 (8): 1565-1575
- **Natural killer cells trigger osteoclastogenesis and bone destruction in arthritis** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Soederstroem, K., Stein, E., Colmenero, P., Purath, U., Mueller-Ladner, U., de Matos, C. T., Tarner, I. H., Robinson, W. H., Engleman, E. G.
2010; 107 (29): 13028-13033
- **Biomarkers for rheumatoid arthritis: making it personal.** *Scandinavian journal of clinical and laboratory investigation. Supplementum*
Lindstrom, T. M., Robinson, W. H.
2010; 242: 79-84
- **Biomarkers for rheumatoid arthritis: Making it personal** *SCANDINAVIAN JOURNAL OF CLINICAL & LABORATORY INVESTIGATION*
Lindstrom, T. M., Robinson, W. H.
2010; 70: 79-84
- **Endogenous antibodies promote rapid myelin clearance and effective axon regeneration after nerve injury** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Vargas, M. E., Watanabe, J., Singh, S. J., Robinson, W. H., Barres, B. A.
2010; 107 (26): 11993-11998
- **A Multitude of Kinases-Which are the Best Targets in Treating Rheumatoid Arthritis?** *RHEUMATIC DISEASE CLINICS OF NORTH AMERICA*
Lindstrom, T. M., Robinson, W. H.
2010; 36 (2): 367-?
- **Development of protein microarrays to investigate autoantibody profiles in pemphigus vulgaris** *Annual Meeting of the Society-for-Investigative-Dermatology*

- Patel, M., Furstenberg, G., Hazelton, J., Tiagi, S., Seiffert-Sinha, K., Haab, B. B., Robinson, W. H., Sinha, A. A.
NATURE PUBLISHING GROUP.2010: S19–S19
- **c-Fms-mediated differentiation and priming of monocyte lineage cells play a central role in autoimmune arthritis** *ARTHRITIS RESEARCH & THERAPY*
Paniagua, R. T., Chang, A., Mariano, M. M., Stein, E. A., Wang, Q., Lindstrom, T. M., Sharpe, O., Roscow, C., Ho, P. P., Lee, D. M., Robinson, W. H.
2010; 12 (1)
 - **Correlation between Circulating Plasmablasts and Disease Activity in Patients with ACPA plus Rheumatoid Arthritis** *10th Annual Meeting of the Federation-of-Clinical-Immunology-Societies*
Tan, Y. C., Sokolove, J., Robinson, W.
ACADEMIC PRESS INC ELSEVIER SCIENCE.2010: S138–S138
 - **Targeting mTOR and MAPK Pathways to Inhibit Naive and Experienced Effector CD4 T Cells in Autoimmunity** *10th Annual Meeting of the Federation-of-Clinical-Immunology-Societies*
Lin, J., Stein, E., Wong, M., Kalpathy, K., Su, L., Utz, P., Robinson, W., Fathman, C.
ACADEMIC PRESS INC ELSEVIER SCIENCE.2010: S69–S69
 - **Autoimmunity against Fibrinogen Mediates Inflammatory Arthritis in Mice** *JOURNAL OF IMMUNOLOGY*
Ho, P. P., Lee, L. Y., Zhao, X., Tomooka, B. H., Paniagua, R. T., Sharpe, O., Benbarak, M. J., Chandra, P. E., Hueber, W., Steinman, L., Robinson, W. H.
2010; 184 (1): 379-390
 - **Autoimmune Disease Classification by Inverse Association with SNP Alleles** *PLOS GENETICS*
Sirota, M., Schaub, M. A., Batzoglou, S., Robinson, W. H., Butte, A. J.
2009; 5 (12)
 - **Thrombin-Activatable Carboxypeptidase B Cleavage of Osteopontin Regulates Neutrophil Survival and Synoviocyte Binding in Rheumatoid Arthritis** *ARTHRITIS AND RHEUMATISM*
Sharif, S. A., Du, X., Myles, T., Song, J. J., Price, E., Lee, D. M., Goodman, S. B., Nagashima, M., Morser, J., Robinson, W. H., Leung, L. L.
2009; 60 (10): 2902-2912
 - **A broad screen for targets of immune complexes decorating arthritic joints highlights deposition of nucleosomes in rheumatoid arthritis** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Monach, P. A., Hueber, W., Kessler, B., Tomooka, B. H., BenBarak, M., Simmons, B. P., Wright, J., Thornhill, T. S., Monestier, M., Ploegh, H., Robinson, W. H., Mathis, D., Benoist, et al
2009; 106 (37): 15867-15872
 - **Engagement of CD81 induces ezrin tyrosine phosphorylation and its cellular redistribution with filamentous actin** *JOURNAL OF CELL SCIENCE*
Coffey, G. P., Rajapaksa, R., Liu, R., Sharpe, O., Kuo, C., Krauss, S. W., Sagi, Y., Davis, R. E., Staudt, L. M., Sharman, J. P., Robinson, W. H., Levy, S.
2009; 122 (17): 3137-3144
 - **Neuroprotective natural antibodies to assemblies of amyloidogenic peptides decrease with normal aging and advancing Alzheimer's disease** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Britschgi, M., Olin, C. E., Johns, H. T., Takeda-Uchimura, Y., LeMieux, M. C., Ruffbach, K., Rajadas, J., Zhang, H., Tomooka, B., Robinson, W. H., Clark, C. M., Fagan, A. M., Galasko, et al
2009; 106 (29): 12145-12150
 - **Identification of mRNA binding proteins that regulate the stability of LDL receptor mRNA through AU-rich elements** *JOURNAL OF LIPID RESEARCH*
Li, H., Chen, W., Zhou, Y., Abidi, P., Sharpe, O., Robinson, W. H., Kraemer, F. B., Liu, J.
2009; 50 (5): 820-831
 - **Elemental bio-imaging of calcium phosphate crystal deposits in knee samples from arthritic patients** *METALLOMICS*
Austin, C., Hare, D., Rozelle, A. L., Robinson, W. H., Grimm, R., Doble, P.
2009; 1 (2): 142-147
 - **Genomics and proteomics: Applications in autoimmune diseases.** *Pharmacogenomics and personalized medicine*
Hueber, W., Robinson, W. H.
2009; 2: 39-48
 - **B Cells and Transplantation: An Educational Resource** *Tandem Meeting on Biology of Blood and Marrow Transplantation*
Small, T. N., Robinson, W. H., Miklos, D. B.
ELSEVIER SCIENCE INC.2009: 104–13

- **Tyrosine Kinases in Autoimmune Demyelination** *9th Annual Meeting of the Federation-of-Clinical-Immunology-Societies*
Crespo, O., Kang, S., Daneman, R., Sobel, R., Ho, P., Steinman, L., Robinson, W.
ACADEMIC PRESS INC ELSEVIER SCIENCE.2009: S73–S73
- **Differentially Cleaved Forms of Osteopontin by Thrombin and Carboxypeptidase B (TAF1a) Regulates Neutrophil Viability and Synoviocyte Binding in Rheumatoid Arthritis** *50th Annual Meeting of the American-Society-of-Hematology/ASH/ASCO Joint Symposium*
Sharif, S., Du, X., Myles, T., Song, J. J., Price, E. A., Lee, D., Goodman, S., Morser, J., Robinson, W., Leung, L. L.
AMER SOC HEMATOLOGY.2008: 1219–19
- **Identification of acute phase reactants and cytokines useful for monitoring infliximab therapy in ankylosing spondylitis** *CLINICAL RHEUMATOLOGY*
Romero-Sanchez, C., Robinson, W. H., Tomooka, B. H., Londono, J., Valle-Onate, R., Huang, F., Deng, X., Zhang, L., Yang, C., Yu, D. T.
2008; 27 (11): 1429-1435
- **Regulation of tissue inflammation by thrombin-activatable carboxypeptidase B (or TAFI)** *22nd International Complement Workshop*
Leung, L. L., Myles, T., Nishimura, T., Song, J. J., Robinson, W. H.
PERGAMON-ELSEVIER SCIENCE LTD.2008: 4080–83
- **Anti-GITR treatment in collagen-induced arthritis results in enhanced epitope spreading and increased antibodies to citrullinated protein antigens (ACPA)** *72nd Annual Scientific Meeting of the American-College-of-Rheumatology/43rd Annual Scientific Meeting of the Association-of-Rheumatology-Health-Professionals*
Cozine, C., Robinson, W. H., BenBarak, M., Holers, V. M.
WILEY-BLACKWELL.2008: S405–S406
- **Rheumatoid arthritis (RA)-related antibody positivity is associated with serum cytokine elevations in RA-free first-degree relatives (FDRs) of RA-proband** *72nd Annual Scientific Meeting of the American-College-of-Rheumatology/43rd Annual Scientific Meeting of the Association-of-Rheumatology-Health-Professionals*
Deane, K. D., Robinson, W. H., Majka, D. S., Parrish, L. A., BenBarak, M., Weisman, M. H., O'Dell, J. R., Gregersen, P. K., Buckner, J. H., Norris, J. M., Holers, V. M.
WILEY-BLACKWELL.2008: S615–S615
- **A central anti-inflammatory role of carboxypeptidase B in autoimmune arthritis** *72nd Annual Scientific Meeting of the American-College-of-Rheumatology/43rd Annual Scientific Meeting of the Association-of-Rheumatology-Health-Professionals*
Song, J. J., Nishimura, T., Garcia, M., Myles, T., Du, X., Sharif, S., Leung, L., Robinson, W.
WILEY-BLACKWELL.2008: S264–S265
- **Molecular framework for response to imatinib mesylate in systemic sclerosis** *72nd Annual Scientific Meeting of the American-College-of-Rheumatology/43rd Annual Scientific Meeting of the Association-of-Rheumatology-Health-Professionals*
Chung, L., Fiorentino, D. F., Benbarak, M. J., Adler, A. S., Mariano, M. M., Paniagua, R. T., Milano, A., Connolly, M. K., Ratiner, B. D., Wiskocil, R. L., Whitfield, M. L., Chang, H. Y., Robinson, et al
WILEY-BLACKWELL.2008: S819–S820
- **Genomic and proteomic analysis reveals a threshold level of MYC required for tumor maintenance** *CANCER RESEARCH*
Shachaf, C. M., Gentles, A. J., Elchuri, S., Sahoo, D., Soen, Y., Sharpe, O., Perez, O. D., Chang, M., Mitchel, D., Robinson, W. H., Dill, D., Nolan, G. P., Plevritis, et al
2008; 68 (13): 5132-5142
- **Complement receptor CR2/CR1 deficiency protects mice from collagen-induced arthritis and associates with reduced autoantibodies to type II collagen and citrullinated antigens** *MOLECULAR IMMUNOLOGY*
Kuhn, K. A., Cozine, C. L., Tomooka, B., Robinson, W. H., Holers, V. M.
2008; 45 (10): 2808-2819
- **Epitope spreading to citrullinated antigens in mouse models of autoimmune arthritis and demyelination** *ARTHRITIS RESEARCH & THERAPY*
Kidd, B. A., Ho, P. P., Sharpe, O., Zhao, X., Tomooka, B. H., Kanter, J. L., Steinman, L., Robinson, W. H.
2008; 10 (5)
- **Induction of antigen-specific tolerance in multiple sclerosis after immunization with DNA encoding myelin basic protein in a randomized, placebo-controlled phase 1/2 trial** *ARCHIVES OF NEUROLOGY*
Bar-Or, A., Vollmer, T., Antel, J., Arnold, D. L., Bodner, C. A., Campagnolo, D., Gianettoni, J., Jalili, F., Kachuck, N., Lapierre, Y., Niino, M., Oger, J., Price, et al
2007; 64 (10): 1407-1415
- **Protective and therapeutic role for alpha B-crystallin in autoimmune demyelination** *NATURE*

- Ousman, S. S., Tomooka, B. H., Van Noort, J. M., Wawrousek, E. F., O'Connor, K. C., Hafler, D. A., Sobel, R. A., Robinson, W. H., Steinman, L.
2007; 448 (7152): 474-U7
- **Proteomic analysis of secreted proteins in early rheumatoid arthritis: anti-citrulline autoreactivity is associated with up regulation of proinflammatory cytokines** *ANNALS OF THE RHEUMATIC DISEASES*
Hueber, W., Tomooka, B. H., Zhao, X., Kidd, B. A., Drijfhout, J. W., Fries, J. F., van Venrooij, W. J., Metzger, A. L., Genovese, M. C., Robinson, W. H.
2007; 66 (6): 712-719
 - **Identification of biomarkers associated with the development of hepatocellular carcinoma in CuZn superoxide dismutase deficient mice** *PROTEOMICS*
Elchuri, S., Naeemuddin, M., Sharpe, O., Robinson, W. H., Huang, T.
2007; 7 (12): 2121-2129
 - **Imatinib for the treatment of rheumatic diseases** *NATURE CLINICAL PRACTICE RHEUMATOLOGY*
Paniagua, R. T., Robinson, W. H.
2007; 3 (4): 190-191
 - **Tolerizing DNA vaccines for autoimmune arthritis** *AUTOIMMUNITY*
Ho, P. P., Higgins, J. P., Kidd, B. A., Tomooka, B., Digennaro, C., Lee, L. Y., De Vegvar, H. E., Steinman, L., Robinson, W. H.
2006; 39 (8): 675-682
 - **Proteomic biomarkers for autoimmune disease** *PROTEOMICS*
Hueber, W., Robinson, W. H.
2006; 6 (14): 4100-4105
 - **Fluid supported lipid bilayers containing mono sialoganglioside GM1: A QCM-D and FRAP study** *COLLOIDS AND SURFACES B-BIOINTERFACES*
Weng, K. C., Kanter, J. L., Robinson, W. H., Frank, C. W.
2006; 50 (1): 76-84
 - **Antibodies against citrullinated proteins enhance tissue injury in experimental autoimmune arthritis** *JOURNAL OF CLINICAL INVESTIGATION*
Kuhn, K. A., Kulik, L., Tomooka, B., Braschler, K. J., Arend, W. P., Robinson, W. H., Holers, V. M.
2006; 116 (4): 961-973
 - **Antigen arrays for antibody profiling** *CURRENT OPINION IN CHEMICAL BIOLOGY*
Robinson, W. H.
2006; 10 (1): 67-72
 - **Treatment of autoimmune neuroinflammation with a synthetic tryptophan metabolite** *SCIENCE*
Platten, M., Ho, P. P., Youssef, S., Fontoura, P., Garren, H., Hur, E. M., Gupta, R., Lee, L. Y., Kidd, B. A., Robinson, W. H., Sobel, R. A., Selley, M. L., Steinman, et al
2005; 310 (5749): 850-855
 - **A suppressive oligodeoxynucleotide enhances the efficacy of myelin cocktail/IL-4-tolerizing DNA vaccination and treats autoimmune disease** *JOURNAL OF IMMUNOLOGY*
Ho, P. P., Fontoura, P., Platten, M., Sobel, R. A., DeVoss, J. J., Lee, L. Y., Kidd, B. A., Tomooka, B. H., Capers, J., Agrawal, A., Gupta, R., Zernik, J., Yee, et al
2005; 175 (9): 6226-6234
 - **Antigen microarray profiling of autoantibodies in rheumatoid arthritis** *ARTHRITIS AND RHEUMATISM*
Hueber, W., Kidd, B. A., Tomooka, B. H., Lee, B. J., Bruce, B., Fries, J. F., Sonderstrup, G., Monach, P., Drijfhout, J. W., van Venrooij, W. J., Utz, P. J., Genovese, M. C., Robinson, et al
2005; 52 (9): 2645-2655
 - **Suppression of autoimmunity via microbial mimics of altered peptide ligands** *MOLECULAR MIMICRY: INFECTION-INDUCING AUTOIMMUNE DISEASE*
Steinman, L., Utz, P. J., Robinson, W. H.
2005; 296: 55-63
 - **Immunity to the extracellular domain of Nogo-A modulates experimental autoimmune encephalomyelitis** *JOURNAL OF IMMUNOLOGY*
Fontoura, P., Ho, P. P., DeVoss, J., Zheng, B. H., Lee, B. J., Kidd, B. A., Garren, H., Sobel, R. A., Robinson, W. H., Tessier-Lavigne, M., Steinman, L.
2004; 173 (11): 6981-6992
 - **Characterization of novel antigens recognized by serum autoantibodies from anti-CD1 TCR-transgenic lupus mice** *EUROPEAN JOURNAL OF IMMUNOLOGY*

-
- Hueber, W., Zeng, D. F., Sharpe, O., Robinson, W. H., Strober, S., Utz, P. J.
2004; 34 (6): 1654-1662
- **High-throughput methods for measuring autoantibodies in systemic lupus erythematosus and other autoimmune diseases** *AUTOIMMUNITY*
Graham, K. L., Robinson, W. H., Steinman, L., Utz, P. J.
2004; 37 (4): 269-272
 - **Microarray profiling of antiviral antibodies for the development of diagnostics, vaccines, and therapeutics** *CLINICAL IMMUNOLOGY*
de Vegvar, H. E., Robinson, W. H.
2004; 111 (2): 196-201
 - **Unlocking the "PAD" lock on rheumatoid arthritis** *ANNALS OF THE RHEUMATIC DISEASES*
Utz, P. J., Genovese, M. C., Robinson, W. H.
2004; 63 (4): 330-332
 - **Genomic and proteomic analysis of multiple sclerosis - Opinion** *CURRENT OPINION IN IMMUNOLOGY*
Robinson, W. H., Utz, P. J., Steinman, L.
2003; 15 (6): 660-667
 - **Protein arrays for autoantibody profiling and fine-specificity mapping** *PROTEOMICS*
Robinson, W. H., Steinman, L., Utz, P. J.
2003; 3 (11): 2077-2084
 - **Microarray profiling of antibody responses against simian-human immunodeficiency virus: Postchallenge convergence of reactivities independent of host histocompatibility type and vaccine regimen** *JOURNAL OF VIROLOGY*
de Vegvar, H. E., Amara, R. R., Steinman, L., Utz, P. J., Robinson, H. L., Robinson, W. H.
2003; 77 (20): 11125-11138
 - **Autoantibodies in early arthritis: Advances in diagnosis and prognostication** *CLINICAL AND EXPERIMENTAL RHEUMATOLOGY*
Hueber, W., Utz, P. J., Robinson, W. H.
2003; 21 (5): S59-S64
 - **Protein and peptide array analysis of autoimmune disease** *BIOTECHNIQUES*
Robinson, W. H., Steinman, L., Utz, P. J.
2002; 66-69
 - **Millennium Award. Proteomics for the development of DNA tolerizing vaccines to treat autoimmune disease.** *Clinical immunology*
Robinson, W. H., Garren, H., Utz, P. J., Steinman, L.
2002; 103 (1): 7-12
 - **Proteomics for the development of DNA tolerizing vaccines to treat autoimmune disease** *CLINICAL IMMUNOLOGY*
Robinson, W. H., Garren, H., Utz, P. J., Steinman, L.
2002; 103 (1): 7-12
 - **Proteomics technologies for the study of autoimmune disease** *ARTHRITIS AND RHEUMATISM*
Robinson, W. H., Steinman, L., Utz, P. J.
2002; 46 (4): 885-893
 - **Autoantibody profiling for the study and treatment of autoimmune disease** *ARTHRITIS RESEARCH*
Hueber, W., Utz, P. J., Steinman, L., Robinson, W. H.
2002; 4 (5): 290-295
 - **Demyelinating and neurologic events reported in association with tumor necrosis factor alpha antagonism - By what mechanisms could tumor necrosis factor alpha antagonists improve rheumatoid arthritis but exacerbate multiple sclerosis?** *ARTHRITIS AND RHEUMATISM*
Robinson, W. H., Genovese, M. C., Moreland, L. W.
2001; 44 (9): 1977-1983
 - **Allele-specific expression of the mouse B-cell surface protein CD72 on T cells** *IMMUNOGENETICS*
Robinson, W. H., LANDOLFI, M. M., Parnes, J. R.
1997; 45 (3): 195-200
-

- **IDENTIFICATION OF A MOUSE PROTEIN HOMOLOGOUS TO THE HUMAN CD6 T-CELL SURFACE PROTEIN AND SEQUENCE OF THE CORRESPONDING CDNA** *JOURNAL OF IMMUNOLOGY*
Robinson, W. H., Prohaska, S. S., Santoro, J. C., Robinson, H. L., Parnes, J. R.
1995; 155 (10): 4739-4748
- **HUMAN CD6 POSSESSES A LARGE, ALTERNATIVELY SPLICED CYTOPLASMIC DOMAIN** *EUROPEAN JOURNAL OF IMMUNOLOGY*
Robinson, W. H., DEVEGVAR, H. E., Prohaska, S. S., Rhee, J. W., Parnes, J. R.
1995; 25 (10): 2765-2769
- **STRUCTURE OF THE MOUSE CD72 (LYB-2) GENE AND ITS ALTERNATIVELY SPLICED TRANSCRIPTS** *JOURNAL OF IMMUNOLOGY*
Ying, H., Nakayama, E., Robinson, W. H., Parnes, J. R.
1995; 154 (6): 2743-2752
- **BIOCHEMICAL IDENTITY OF THE MOUSE LY-19.2 AND LY-32.2 ALLOANTIGENS WITH THE B-CELL DIFFERENTIATION ANTIGEN LYB-2/CD72** *JOURNAL OF IMMUNOLOGY*
Robinson, W. H., LANDOLFI, M. M., Schafer, H., Parnes, J. R.
1993; 151 (9): 4764-4772
- **EXTENSIVE POLYMORPHISM IN THE EXTRACELLULAR DOMAIN OF THE MOUSE B-CELL DIFFERENTIATION ANTIGEN LYB-2/CD72** *JOURNAL OF IMMUNOLOGY*
Robinson, W. H., Ying, H., Miceli, M. C., Parnes, J. R.
1992; 149 (3): 880-886
- **SYNTHESIS OF VIRAL-SPECIFIC RIBONUCLEIC ACID IN RUBELLA VIRUS-INFECTED CELLS** *JOURNAL OF VIROLOGY*
Wong, K. T., Robinson, W. S., Merigan, T. C.
1969; 4 (6): 901-?