Stanford



William H. Robinson, MD PhD

James W. Raitt, M.D. Professor

Medicine - Immunology & Rheumatology

CLINICAL OFFICE (PRIMARY)

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

  3801 Miranda Ave Ste 154R

  Palo Alto, CA 94304

  Tel (650) 849-1207 **Fax** (650) 849-1208

ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

  Lindsay Yamamura - Administrative Associate

  Email ylindsay@stanford.edu

Bio

BIO

My laboratory's overarching mission is to leverage interdisciplinary genomic, proteomic, and computational approaches to define the mechanisms that drive the development and progression of autoimmune diseases. A central focus of our research is elucidating the role of Epstein–Barr virus in human autoimmunity. We are committed to translating foundational discoveries into next-generation therapeutics, and to date, five therapeutic programs have emerged directly from our laboratory's work. In parallel with leading our laboratory's scientific programs, I serve as Chief of the Division of Immunology and Rheumatology.

CLINICAL FOCUS

- Immunology and Rheumatology
- Rheumatology

ACADEMIC APPOINTMENTS

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

ADMINISTRATIVE APPOINTMENTS

- Chief, Division of Immunology and Rheumatology, Stanford University, (2019- present)

PROFESSIONAL EDUCATION

- Board Certification, American Board of Internal Medicine , Rheumatology
- Fellowship, Stanford University , Rheumatology
- Residency, UCSF , Internal Medicine

LINKS

- Robinson Lab: http://robinsonlab.stanford.edu
- Division of Immunology and Rheumatology: http://med.stanford.edu/immunology

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Our laboratory pursues two major areas of research:

Autoimmune disease, with a focus on the role of Epstein–Barr virus (EBV).

1) Defining how EBV contributes to the initiation and progression of systemic lupus erythematosus (SLE), multiple sclerosis (MS), and other autoimmune diseases

2) Investigating the roles of B cells in loss of immune tolerance and disease pathogenesis

3) Identifying key autoantigens and the immune responses directed against them

Osteoarthritis (OA), the most common form of arthritis. Unlike rheumatoid arthritis, OA is not classically considered an autoimmune disease and has historically been attributed to mechanical “wear and tear.” However, discoveries from our laboratory and others have revealed an important role for innate immune inflammation in OA pathogenesis.

1) Defining the innate immune mechanisms that initiate and perpetuate joint inflammation and tissue damage in OA

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Yael Courtney, Friederike Held, Andreas Kerschbaumer, Salvinaz Moutusy, Mahesh Pandit, Laura van Dam

Doctoral Dissertation Advisor (AC)

Emily Yemington

Postdoctoral Research Mentor

Mahesh Pandit, Aiswarya Sethumadhavan

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Immunology (PhD Program)
- Medicine (Masters Program)

Publications

PUBLICATIONS

- **EBV reprograms autoreactive anti-CNS B cells as antigen presenting cells in multiple sclerosis.** *bioRxiv : the preprint server for biology*
  Younis, S., Rasouli, S., Loeffler, J. W., Sattarnezhad, N., Courtney, Y., Moutusy, S. I., Jahanbani, S., Pandit, M., Tomczak, A., Wong, H. H., Sharpe, O., Utz, P. J., Meffre, et al
  2026
- **Epstein-Barr virus reprograms autoreactive B cells as antigen-presenting cells in systemic lupus erythematosus.** *Science translational medicine*

Younis, S., Moutusy, S. I., Rasouli, S., Jahanbani, S., Pandit, M., Wu, X., Acharya, S., Sharpe, O., Wijeratne, T. U., Harris, M. L., Yang, E. Y., Chaichian, Y., Parsafar, et al

2025; 17 (824): eady0210

- **Clonally Expanded B Cells in Multiple Sclerosis Bind EBV EBNA1 and GlialCAM.** *Nature*

  Lanz, T. V., Brewer, R. C., Ho, P. P., Moon, J. S., Jude, K. M., Fernandez, D., Fernandes, R. A., Gomez, A. M., Nadj, G. S., Bartley, C. M., Schubert, R. D., Hawes, I. A., Vazquez, et al

  2022

- **Epstein-Barr virus and multiple sclerosis.** *Science (New York, N.Y.)*

  Robinson, W. H., Steinman, L.

  2022; 375 (6578): 264-265

- **IgE-mediated mast cell activation promotes inflammation and cartilage destruction in osteoarthritis** *ELIFE*

  Wang, Q., Lepus, C. M., Raghu, H., Reber, L. L., Tsai, M. M., Wong, H. H., von Kaeppler, E., Lingampalli, N., Bloom, M. S., Hu, N., Elliott, E. E., Oliviero, F., Punzi, et al

  2019; 8

- **From Molecular Mimicry to Clinical Laboratory: Longitudinal Measurement of EBNA1-Antibody Titers as a Diagnostic Biomarker of Multiple Sclerosis.** *Clinical chemistry*

  Sattarnezhad, N., Lanz, T. V., Ho, P. P., Robinson, W. H., Steinman, L.

  2026

- **Epstein-Barr virus reprograms autoreactive B cells as antigen-presenting cells in systemic lupus erythematosus**

  Younis, S., Moutusy, S., Rasouli, S., Jahanbani, S., Robinson, W.

  OXFORD UNIV PRESS.2026

- **Persistent Microbial Peptidoglycan Drives Post-Infectious Autoimmunity in Lyme Disease**

  Chen, X., Zhou, X., Wang, H., Ji, X., Rebman, A., Pandit, M., Sola, E., Mengwasser, K., Salehi, A., Soloski, M., Snyder, M., Jacobs-Wagner, C., Robinson, et al

  OXFORD UNIV PRESS.2026

- **Human vaccine responses regulated by parallel cytokine pathways.** *Nature immunology*

  Chen, G., Guo, J., Heath, J., Prestwood, T. R., Kwon, W. J., Smith, A. R., Nguyen, T. T., Kathuria, K. R., Sola, E., Sangare, A., Mallajosyula, V., Furuichi Fong, R., Mohsin, et al

  2026

- **Certolizumab Inhibits Radiographic Progression in Patients with Early Rheumatoid Arthritis and High Rheumatoid Factor Levels: A Pooled, Post#Hoc Analysis of the Phase 3 C#EARLY and C#OPERA Trials.** *Joint bone spine*

  Smolen, J. S., Taylor, P. C., Burmester, G., Tanaka, Y., Takeuchi, T., Curtis, J. R., Lopez Medina, C., Robinson, W. H., Huizinga, T., Mahoney, P., Lauwerys, B., Ufuktepe, B., Mikuls, et al

  2026: 106087

- **Anti-PAD4 antibodies link autoimmunity to PAD4 with CTL-associated rheumatoid arthritis.** *Annals of the rheumatic diseases*

  Ananth, K., Moosic, K. B., Gomez-Banuelos, E., Wang, H., Trejo-Zambrano, I., Johnson, R., Kirschmann, J. M., Deddens, T., Elghawy, O., Shemo, B., Robinson, W. H., Kimpel, D., Bingham, et al

  2026

- **Synovial transcriptional clusters link cartilage degeneration to cell-type-specific gene expression in knee osteoarthritis.** *bioRxiv : the preprint server for biology*

  Mazzucco, M. R., Mehta, B., Ruiz-Ortiz, J., Hale, C., Omi, F., Singh, P., Yuan, R., Lessard, S., Song, E. K., Zhang, M., Younis, S., Robinson, W. H., Ramirez, et al

  2026

- **Association of epigenetic trajectory with development of clinical rheumatoid arthritis in anti-citrullinated protein antibody positive individuals: Targeting Immune Responses for Prevention of Rheumatoid Arthritis (TIP-RA).** *Arthritis & rheumatology (Hoboken, N.J.)*

  Prideaux, E. B., Boyle, D. L., Choi, E., Buckner, J. H., Robinson, W. H., Holers, V. M., Deane, K. D., Firestein, G. S., Wang, W.

  2026

- **Cytotoxic T cell recognition of α-synuclein drives pathogenic immune responses in multiple system atrophy.** *Proceedings of the National Academy of Sciences of the United States of America*

Moon, J. S., Moutusy, S. I., Zhang, M., Ndayisaba, A., Rodriguez, D., El Kodsi, D. N., Kuzkina, A., Younis, S., Jahanbani, S., Dam, L. S., Courtney, Y., Netanel, A., Sharpe, et al
2026; 123 (14): e2537271123

- **Multiple molecular mimics in Epstein Barr Nuclear Antigen-1, and the pathogenesis of multiple sclerosis.** *Proceedings of the National Academy of Sciences of the United States of America*
  Lum, F. M., Sattarnezhad, N., Ho, P. P., Orr, N., Robinson, W. H., Lanz, T. V., Steinman, L.
  2026; 123 (11): e2519445123

- **NETosis-derived PADs mediate Citrullination of Oral Bacteria to promote Inflammation in Rheumatoid Arthritis.** *The Journal of rheumatology*
  Acharya, S., Brewer, C., Gomez, A. M., Younis, S., Pandit, M., Jahanbani, S., Sharpe, O., Love, Z. Z., Howard, M. C., Orange, D. E., Robinson, W. H.
  2026

- **Association between anti-citrullinated peptide antibodies and subclinical interstitial lung disease in community-dwelling adults: the multi-ethnic study of atherosclerosis.** *Respiratory research*
  Lanz, J. V., Hughes-Austin, J., Podolanczuk, A. J., Kim, J. S., Salvatore, M. M., Robinson, W. H., Raghu, G., Hoffman, E. A., Newell, J. D., Watts, J. R., Nath, P. H., Sonavane, S. K., Giles, et al
  2026

- **Pharmacological modulation of the blood-brain barrier: Mechanisms, therapeutic strategies, and emerging technologies.** *Pharmacological reviews*
  Pediaditakis, I., Tsakali, S., Lemieux, M. R., Brennan, M., Robinson, W. H., Papapetropoulos, S., Papapetropoulos, A.
  2026; 78 (2): 100118

- **Development of ACE2-tropic-betacoronavirus therapeutics for future pandemic preparedness.** *Nature communications*
  Utz, A., Armbrust, M., Nguyen, T. T., Morris, M. K., Matthews, C. O., Kompella, P., Cao, Z., Ha, J. W., Violette, A., Brewer, R. C., Lanz, T. V., Robinson, W. H., Xu, et al
  2025

- **Antigen-specific B cells cross-present citrullinated proteins to activate CD8 T cells in rheumatoid arthritis**
  Moon, J., Van Dam, L., Smith, M., Donlin, L. T., Sharpe, O., Robinson, W. H.
  OXFORD UNIV PRESS.2025

- **Persistent Pain Despite Inflammatory Control in RA: A Pooled Analysis of 7 RCTs**
  Kerschbaumer, A., Steiner, M., Robinson, W. H., Smolen, J., Aletaha, D.
  WILEY.2025: 1596-1598

- **Preclinical Expansion of Autoreactive Naive B cells Drives RA onset in ACPA plus individuals**
  Wu, X., Zhang, M., Sharpe, O., Holers, V., Buckner, J., Firestein, G., James, E., Deane, K., Robinson, W. H.
  WILEY.2025: 1792-1793

- **Increased Synovial Inflammation, Xist Escape Gene Expression and Knee Pain in Females with Osteoarthritis**
  Mehta, B., Otero, M., Mazzucco, M., Ruiz-Ortega, J., Hale, C., Omi, F., Balkhi, S., Singh, P., Lessard, S., Wang, W., Aslam, M., Maerz, T., Sculco, et al
  WILEY.2025: 565-568

- **Microbial activation of cytotoxic CD8⁺ T cells promotes skin immunerelated adverse events in patients treated with immune checkpoint inhibitors**
  Younis, S., Acharya, S., Swaminathan, G., Wong, H., Kim, H., Eschholz, A., Hegde, S., McKnight, A., Robinson, W., Zaba, L.
  WILEY.2025: 2171-2174

- **Characterizing ANCA-specific B Cells in ANCA-associated Vasculitis**
  van Dam, L., Zhang, M., Parsafar, S., Horomanski, A., Rasouli, S., Sharpe, O., van Leeuwen, J., Lanz, T., van Kooten, C., Teng, O., Robinson, W. H.
  WILEY.2025: 3288-3292

- **Sequence-Independent RNA Sensing in Living Mammalian Cells.** *bioRxiv : the preprint server for biology*
  Kolber, N. S., Kaseniit, K. E., Lanz, T. V., Robinson, W. H., Gao, X. J.
  2025

- **Distinct Reactivity Patterns to EBV Nuclear Proteins and CNS Antigens Distinguish CNS Demyelinating Disorders from Systemic Autoimmunity**

Sattarnezhad, N., Held, F., Babaei, M., Gawde, S., Ho, P., Barrett, A., Wijerante, T., Comanescu, A., Parsafar, S., Bartels, F., McDonald, J., Kipp, L., Van Haren, et al

SAGE PUBLICATIONS LTD.2025: 309-310

- **Predicting multiple sclerosis onset using EBV-related antibodies and machine learning methods in Swedish population**

  Liu, Y., Sattarnezhad, N., Thomas, O., Ho, P., Barrett, A., Comanescu, A., Wijerante, T., Alfredsson, L., Steinman, L., Robinson, W., Olsson, T., Lanz, T., Kockum, et al

  SAGE PUBLICATIONS LTD.2025: 885-886

- **Oxidative stress is a shared characteristic of ME/CFS and Long COVID.** *Proceedings of the National Academy of Sciences of the United States of America*

  Shankar, V., Wilhelmy, J., Curtis, E. J., Michael, B., Cervantes, L., Mallajosyula, V., Davis, R. W., Snyder, M., Younis, S., Robinson, W. H., Shankar, S., Mischel, P. S., Bonilla, et al

  2025; 122 (28): e2426564122

- **Aberrant T-cell phenotypes in a cohort of patients with post-treatment Lyme disease.** *Frontiers in immunology*

  Girgis, A. A., Cimbro, R., Yang, T., Rebman, A. W., Sewell, T., Villegas de Flores, D., Vadalia, A., Robinson, W. H., Cox, A. L., Darrah, E., Soloski, M. J., Aucott, J.

  2025; 16: 1607619

- **WOMEN WITH KNEE OSTEOARTHRITIS EXPERIENCE MORE REST PAIN, SYNOVIAL INFLAMMATION, AND WIDESPREAD CARTILAGE DEGENERATION THAN MEN**

  Mehta, B., Otero, M., Hale, C., Sculco, P., Cushing, S., Sun, D., Frank, M. O., Wu, Y., Mazzucco, M., Maerz, T., Colbath, A., Malfait, A., Younis, et al

  ELSEVIER SCI LTD.2025

- **Antibody reactivity against EBNA1 and GlialCAM differentiates multiple sclerosis patients from healthy controls.** *Proceedings of the National Academy of Sciences of the United States of America*

  Sattarnezhad, N., Kockum, I., Thomas, O. G., Liu, Y., Ho, P. P., Barrett, A. K., Comanescu, A. I., Wijeratne, T. U., Utz, P. J., Alfredsson, L., Steinman, L., Robinson, W. H., Olsson, et al

  2025; 122 (11): e2424986122

- **Connecting the dots: Presentation of EBV antigens on HLA class II risk alleles connects the two main risk factors of multiple sclerosis.** *Proceedings of the National Academy of Sciences of the United States of America*

  Lanz, T. V., Robinson, W. H.

  2024; 121 (49): e2420070121

- **A Novel Mouse Model for Cerebral Inflammatory Demyelination in X-Linked Adrenoleukodystrophy: Insights into Pathogenesis and Potential Therapeutic Targets.** *Annals of neurology*

  Hashemi, E., Srivastava, I. N., Aguirre, A., Yoseph, E. T., Kaushal, E., Awani, A., Ryu, J. K., Akassoglou, K., Talebian, S., Chu, P., Pisani, L., Musolino, P., Steinman, et al

  2024

- **Epstein-Barr virus as a potentiator of autoimmune diseases.** *Nature reviews. Rheumatology*

  Robinson, W. H., Younis, S., Love, Z. Z., Steinman, L., Lanz, T. V.

  2024

- **Cutting-edge approaches to B-cell depletion in autoimmune diseases.** *Frontiers in immunology*

  Robinson, W. H., Fiorentino, D., Chung, L., Moreland, L. W., Deodhar, M., Harler, M. B., Saulsbery, C., Kunder, R.

  2024; 15: 1454747

- **Distinct mucosal endotypes as initiators and drivers of rheumatoid arthritis.** *Nature reviews. Rheumatology*

  Holers, V. M., Demoruelle, K. M., Buckner, J. H., James, E. A., Firestein, G. S., Robinson, W. H., Steere, A. C., Zhang, F., Norris, J. M., Kuhn, K. A., Deane, K. D.

  2024

- **A Seropositive RA Polygenic Risk Score Does Not Predict Progression to RA in an ACPA Positive Population**

  Vargas, T., Vanderlinden, L., Carry, P., Demoruelle, K., Feser, M., Kechris, K., Buckner, J., Robinson, W., Firestein, G., Holers, M., Deane, K., Norris, J.

  WILEY.2024: 3810-3812

- **Identification of Autoreactive Cytotoxic T Cells in ANCA-Associated Vasculitis**

van Dam, L., Younis, S., Moon, J., Zhang, M., Parfasar, S., Horomanski, A., Sharpe, O., van Leeuwen, J., Lanz, T., van Kooten, C., Teng, O., Robinson, W.

WILEY.2024: 3781-3785

- **Memory B Cell Activation and Dysregulation in Systemic Lupus Erythematosus**

  Younis, S., Moutusy, S., Jahanbani, S., Wu, X., Harris, M., Pandit, M., van Dam, L., Sharpe, O., Utz, P., Robinson, W.

  WILEY.2024: 3653-3655

- **Synovial Inflammation Is Increased in Females with Knee Osteoarthritis**

  Hale, C., Otero, M., Sun, D., Parides, M., Dicarlo, E., Orange, D., Wu, Y., Robinson, W., Mehta, B., Cushing, S., Sculco, P., Maerz, T., Malfait, et al

  WILEY.2024: 4251-4253

- **ACPA Subtypes, RF Isotypes, and the Risk of Rheumatoid Arthritis-Associated Interstitial Lung Disease**

  Welch, J., Yang, Y., Baker, J., Wysham, K., Ascherman, D., Monach, P., Kerr, G., Reimold, A., Cannon, G., Kunkel, G., Robinson, W., Duryee, M., Thiele, et al

  WILEY.2024: 1004-1007

- **Automated multi-scale computational pathotyping (AMSCP) of inflamed synovial tissue.** *Nature communications*

  Bell, R. D., Brendel, M., Konnaris, M. A., Xiang, J., Otero, M., Fontana, M. A., Bai, Z., Accelerating Medicines Partnership Rheumatoid Arthritis and Systemic Lupus Erythematosus (AMP RA/SLE) Consortium, Krenitsky, D. M., Meednu, N., Rangel-Moreno, J., Scheel-Toellner, D., Carr, H., et al

  2024; 15 (1): 7503

- **Interferon subverts an AHR-JUN axis to promote CXCL13⁺ T cells in lupus** *NATURE*

  Law, C., Wacleche, V., Cao, Y., Pillai, A., Sowerby, J., Hancock, B., Horisberger, A., Bracero, S., Skidanova, V., Li, Z., Adejoorin, I., Dillon, E., Benque, et al

  2024; 631 (8022): 857-+

- **Clonal associations between lymphocyte subsets and functional states in rheumatoid arthritis synovium** *NATURE COMMUNICATIONS*

  Dunlap, G., Wagner, A., Meednu, N., Wang, R., Zhang, F., Ekabe, J., Jonsson, A., Wei, K., Sakaue, S., Nathan, A., Bykerk, V. P., Donlin, L. T., Goodman, et al

  2024; 15 (1): 4991

- **The peculiar features, diversity and impact of citrulline-reactive autoantibodies.** *Nature reviews. Rheumatology*

  Raposo, B., Klareskog, L., Robinson, W. H., Malmstrom, V., Gronwall, C.

  2024

- **The chromatin landscape of pathogenic transcriptional cell states in rheumatoid arthritis** *NATURE COMMUNICATIONS*

  Weinand, K., Sakaue, S., Nathan, A., Jonsson, A., Zhang, F., Watts, G. F. M., Al Suqri, M., Zhu, Z., Albrecht, J., Apruzzese, W., Banda, N., Barnas, J. L., Bathon, et al

  2024; 15 (1): 4650

- **Oxidative stress is a shared characteristic of ME/CFS and Long COVID**

  Shankar, V., Wilhelmy, J., Curtis, E., Michael, B., Cervantes, L., Mallajosyula, V., Davis, R., Snyder, M., Younis, S., Robinson, W., Shankar, S., Mischel, P., Bonilla, et al

  AMER ASSOC IMMUNOLOGISTS.2024

- **A distinct autoimmune signature in Post-treatment Lyme Disease Syndrome (PTLD)**

  Chen, X., Zhou, X., Wang, H., Ji, X., Rebman, A., Soloski, M., Wagner, C., Snyder, M., Robinson, W., Aucott, J., Davis, M.

  AMER ASSOC IMMUNOLOGISTS.2024

- **P66 is a bacterial mimic of CD47 that binds the anti-phagocytic receptor SIRPα and facilitates macrophage evasion by Borrelia burgdorferi.** *bioRxiv : the preprint server for biology*

  Tal, M. C., Hansen, P. S., Ogasawara, H. A., Feng, Q., Volk, R. F., Lee, B., Casebeer, S. E., Blacker, G. S., Shoham, M., Galloway, S. D., Sapiro, A. L., Hayes, B., Torrez Dulgeroff, et al

  2024

- **The monocyte cell surface is a unique site of autoantigen generation in rheumatoid arthritis.** *Proceedings of the National Academy of Sciences of the United States of America*

  Thomas, M. A., Naik, P., Wang, H., Giles, J. T., Girgis, A. A., Kim, S. Y., Johnson, T. P., Curran, A. M., Crawford, J. D., Jahanbani, S., Bingham, C. O., Robinson, W. H., Na, et al

  2024; 121 (17): e2304199121

- **Extrarenal symptoms associate with worse quality of life in patients enrolled in the AMP RA/SLE Lupus Nephritis Network.** *Rheumatology (Oxford, England)*
  Carlucci, P. M., Preisinger, K., Deonaraine, K. K., Zaminski, D., Dall'Era, M., Gold, H. T., Kalunian, K., Fava, A., Belmont, H. M., Wu, M., Putterman, C., Anolik, J., Barnas, et al
  2024
- **Dysregulated fibrinolysis and plasmin activation promote the pathogenesis of osteoarthritis.** *JCI insight*
  Wang, Q., Shao, G., Zhao, X., Wong, H. H., Chin, K., Zhao, M., Bai, A., Bloom, M. S., Love, Z. Z., Chu, C. R., Cheng, Z., Robinson, W. H.
  2024
- **Expansion of HLA-DR+ Peripheral Helper T and Naïve B cells in Anti-Citrullinated Protein Antibody-Positive Subjects At-Risk for Rheumatoid Arthritis.** *Arthritis & rheumatology (Hoboken, N.J.)*
  Takada, H., Demoruelle, M. K., Deane, K. D., Nakamura, S., Katsumata, Y., Ikari, K., Buckner, J. H., Robinson, W. H., Seifert, J. A., Feser, M. L., Moss, L., Norris, J. M., Harigai, et al
  2024
- **Longitudinal patterns and predictors of response to standard-of-care therapy in lupus nephritis: data from the Accelerating Medicines Partnership Lupus Network.** *Arthritis research & therapy*
  Izmirly, P. M., Kim, M. Y., Carlucci, P. M., Preisinger, K., Cohen, B. Z., Deonaraine, K., Zaminski, D., Dall'Era, M., Kalunian, K., Fava, A., Belmont, H. M., Wu, M., Putterman, et al
  2024; 26 (1): 54
- **Immune tolerance of citrullinated peptides.** *Nature reviews. Rheumatology*
  Thomas, R., Robinson, W. H.
  2024
- **A candidate antibody drug for prevention of malaria.** *Nature medicine*
  Williams, K. L., Guerrero, S., Flores-Garcia, Y., Kim, D., Williamson, K. S., Siska, C., Smidt, P., Jepson, S. Z., Li, K., Dennison, S. M., Mathis-Torres, S., Chen, X., Wille-Reece, et al
  2024
- **A Novel Mouse Model for Cerebral Inflammatory Demyelination in X-Linked Adrenoleukodystrophy: Insights into Pathogenesis and Potential Therapeutic Targets** *Annals of Neurology*
  Hashemi, E., Srivastava, I., Aguirre, A., Yoseph, E. T., Van Haren, K. P.
  2024
- **Multifaceted immune dysregulation characterizes individuals at-risk for rheumatoid arthritis.** *Nature communications*
  James, E. A., Holers, V. M., Iyer, R., Prideaux, E. B., Rao, N. L., Rims, C., Muir, V. S., Posso, S. E., Bloom, M. S., Zia, A., Elliott, S. E., Adamska, J. Z., Ai, et al
  2023; 14 (1): 7637
- **A novel mouse model of cerebral adrenoleukodystrophy highlights NLRP3 activity in lesion pathogenesis.** *bioRxiv : the preprint server for biology*
  Hashemi, E., Narain Srivastava, I., Aguirre, A., Tilahan Yoseph, E., Kaushal, E., Awani, A., Kyu Ryu, J., Akassoglou, K., Talebian, S., Chu, P., Pisani, L., Musolino, P., Steinman, et al
  2023
- **Genetic association between atopic disease and osteoarthritis.** *Osteoarthritis and cartilage*
  Baker, M. C., Robinson, W. H., Ostrom, Q.
  2023
- **Serum reactivity to citrullinated protein/peptide antigens and left ventricular structure and function in the Multi-Ethnic Study of Atherosclerosis (MESA).** *PloS one*
  Hughes-Austin, J. M., Katz, R., Majka, D. S., Criqui, M. H., Robinson, W. H., Firestein, G. S., Hundley, W. G., Ix, J. H.
  2023; 18 (10): e0291967
- **Leukotriene Inhibitors Effect on Post-Traumatic Osteoarthritis: A RealWorld Evidence Comparative Effectiveness Study**
  Jafarzadeh, S., Baker, M., Peloquin, C. E., Robinson, W. H., Felson, D.
  WILEY.2023: 271-272
- **The Role of Plasmin and Fibrinolysis Pathways in Osteoarthritis**

Wang, Q., Wong, H., Bai, A., Love, Z., Chu, C., Robinson, W.
WILEY.2023: 1764-1766

- **Identification of a Mast Cell-high Synovial Pathotype of Osteoarthritis**
  Younis, S., Bai, A., Wong, H., Love, Z., Wang, Q., Robinson, W.
  WILEY.2023: 1766-1767

- **Expansion of Circulating HLA-DR⁺ Peripheral Helper T Cells and CXCR5⁻CD38⁺ Mature Naive B Cells in ACPA-positive Individuals At-risk for and with Classified RA**
  Takada, H., Demoruelle, K., Deane, K., Nakamura, S., Katsumata, Y., Ikari, K., Buckner, J., Robinson, W. H., Seifert, J., Feser, M., Moss, L., Norri, J., Harigai, et al
  WILEY.2023: 5141-5144

- **Cytokine and Chemokine Elevations in ACPA plus Individuals Suggest Possible Viral, Mucosal and/or Innate Responses Are Related to the Transition to Future Clinical RA**
  Carlson, D., Carpenter, C., Goff, S., Seifert, J., Moss, L., Feser, M., Buckner, J., Robinson, W. H., Kirschmann, J., Firestein, G., Holer, M., Deane, K.
  WILEY.2023: 5148-5150

- **Does EBV infection matter for MS: EBV mediated molecular mimicry**
  Robinson, W. H.
  SAGE PUBLICATIONS LTD.2023: 7

- **Anti-citrullinated protein antibodies with multiple specificities ameliorate collagen antibody-induced arthritis in a time-dependent manner.** *Arthritis & rheumatology (Hoboken, N.J.)*
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