Stanford

PJ Utz

George DeForest Barnett Professor of Medicine

Medicine - Immunology & Rheumatology

NIH Biosketch available Online

CONTACT INFORMATION

- **Alternate Contact**

  Cheryl Kuo - Administrative Assistant

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Bio

BIO

I am a physician scientist who has dedicated my career to understanding and curing human rheumatic diseases; to building a physician scientist pipeline that extends from high school students all the way to scientists in academia, industry, and government; and to promoting team science and interdisciplinary research.

I direct a research lab in the Department of Medicine, Division of Immunology at Stanford University School of Medicine. My lab actively collaborates with many investigators on the Stanford campus, and across the world, with a goal to disseminate and implement newly-invented technologies.
We study vaccines and autoimmune diseases, including systemic lupus erythematosus (SLE), scleroderma, rheumatoid arthritis (RA), myositis, primary biliary cirrhosis (PBC), Sjögren's disease, type I diabetes (T1D), vasculitis, multiple sclerosis (MS), immunodeficiency disorders, COVID-19 related autoimmunity, mixed connective tissue disease (MCTD), and autoimmunity induced by infections. In addition to trying to better understand the pathogenic mechanisms involved in autoimmunity, we are interested in developing bench-to-bedside technologies, including multiplexed diagnostics and therapeutics, for human immune diseases. Our group made several breakthrough inventions, such as protein arrays, peptide arrays, HIT, lysate arrays, Intel arrays, and more recently EpiTOF.
In terms of leadership. I have extensive expertise in coordinating 12 different program project grants over the last 15 years, including PI of our Autoimmunity Center of Excellence, and Leadership Center PI for the $41M Accelerating Medicines Partnership in RA/SLE initiative, Co-PI of Stanford's RECOVER program, and PI on biomarker studies for Pfizer's STOP-PASC Paxlovid trial. I was selected as Vice Chair of RECOVER's Immunology and Hematology Pathobiology Task Force Committee and currently serve on the RECOVER OCSC Steering Committee. In 2018, I was appointed Associate Dean of Medical Student Research, and I am the Director Emeritus of the Stanford MSTP. I have been a member of the MSTP Admissions Committee for 20 years, served as Associate Director and Co-Director from 2009-2013, and directed the MSTP until 2018. I am a leader in educational initiatives.
I was the first Chair of Education for the Federation of Clinical Immunology Societies. I founded and direct the Stanford Institutes of Medicine Research (SIMR) Program for high school students, which has hosted over 1,000 students in labs over 25 years. SIMR has been funded by educational grants from NIH, HHMI, CIRM, DDCF, Amgen Foundation, industry, and philanthropy. It serves as an important pipeline program for MSTP. I have served on the Immunology Program Predoctoral Committee and have won teaching and mentoring awards from the Immunology PhD Program and the Department of Medicine. In the last 25 years I have trained almost 70 scientists; served on 64 PhD thesis committees in 3 Schools on campus; successfully graduated 14 PhD students who trained in my lab; and have trained or are training many postdoctoral fellows. Of my graduate students, scholars, and fellows, 12

are currently employed in industry and 12 are Assistant or Associate Professors at academic institutions. Most recently, I have taken on directorship of Department of Medicine's Team Science program and have championed physician scientist careers as co-founder and secretary of the Physician Scientist Support Foundation (thepssf.org).

ACADEMIC APPOINTMENTS

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

ADMINISTRATIVE APPOINTMENTS

- External Advisory Board Member, University of Alabama, University of Alabama, (2024- present)
- Member, Dean’s Leadership Council on Education (DLCE), Stanford University, Stanford University, (2024- present)
- RECOVER OCSC Steering Committee, NIH, (2023- present)
- Steering Committee Member, Lupus Research Alliance Strategic Planning Committee, Lupus Research Alliance, (2023- present)
- Program Director, Department of Medicine Team Science Initiative, Stanford University, (2022- present)
- KL2 Mentored Career Development Award Council of Mentors, Stanford University, (2022-2024)
- Admissions Committee to Advise on Physician Scientist Training Program (PSTP) & Berg Scholars, Stanford University, (2022-2023)
- Vice Chair of the RECOVER Immunology and Hematology Pathobiology Task Force Committee, Stanford University, (2021-2023)
- Program Director, Physician Scientist Training Program (PSTP), Stanford University, (2019- present)
- Associate Dean for Medical Student Research, Stanford University, (2018- present)
- Emeritus Director, Medical Science Training Program (MSTP), Stanford University, (2018- present)
- Member, Stanford University Student Support Advisory Board, Stanford University, (2017- present)
- Member, Biomedical Innovation/Basic Science Workgroup, Stanford University, (2016- present)
- Co-Founder and Secretary, Physician Scientist Support Foundation, (2016-2024)
- Member, Committee on Health and Safety, Stanford University, (2015-2018)
- Program Director, Accelerating Medicines Partnership (AMP) Leadership Center for RA/SLE, Stanford University School of Medicine, (2014-2022)
- Co-Chair, Task Force for Advancing the Culture of Laboratory Safety, Stanford University, (2013-2018)
- Program Director, Medical Science Training Program (MSTP), Stanford University School of Medicine, (2013-2018)
- Professor of Medicine, Stanford University School of Medicine, (2012- present)
- Program Director, Rheumatology Adult and Pediatric T32 Training Grant, Stanford University School of Medicine, (2012-2013)
- Program Director, Rheumatology Fellowship Program., Stanford University School of Medicine, (2012-2013)
- Member, Committee on Professionalism, Performance, and Promotion, Stanford University School of Medicine, (2009-2018)
- Associate Director, Medical Science Training Program, Stanford University School of Medicine, (2009-2013)
- Board of Directors, Northern California Arthritis Foundation, (2008-2009)
- Associate Director of Education, ITI Institute, Stanford University, (2007- present)
- Program Director, Stanford EXPLORE Program, Stanford University School of Medicine, (2007- present)
- Member, Cardiovascular Institute Steering Committee, Stanford University School of Medicine, (2007-2010)
- Treasurer and Secretary, FOCIS, Federal of Clinical Immunology Societies, (2007-2010)
- Chair of Education, FOCIS, Federal of Clinical Immunology Societies, (2003-2007)

- Appointed Councillor, Clinical Immunology Society, (2003-2006)
- Member, MSTP (Medical Science Training Program), Stanford University School of Medicine, (2002-2018)
- Member, Dean's Committee on Diversity, Stanford University School of Medicine, (2002-2006)
- Founder and Program Director, Stanford Institutes of Medicine Research (SIMR) Program, Stanford University School of Medicine, (2000- present)
- Member, Immunology Graduate program Predoctoral Committee, Stanford University School of Medicine, (2000-2003)
- Member, Faculty Senate, Stanford Hospital, (2000-2002)
- Member, Internship Selection Committee, Stanford University Hospital, (1999-2005)

HONORS AND AWARDS

- Pantheon Winner of the Elizabeth Schar Future Leaders Award, Elizabeth Schar Future Leaders Award (2024)
- Top Scholar by ScholarGPS, ScholarGPS (2024)
- Guest Speaker, Distinguished Seminar Immunology Series, University of Buffalo, University of Buffalo (2023)
- King’s College Alumni Award: Professional Achievement – Arts & Sciences, King's College (2021)
- Speaker, Immunology Seminar Series and Grand Rounds, University of Pittsburgh (2018)
- Visiting Professor, Hampton College (2017)
- Rheumatology Visiting Professor, University of Colorado at Denver (2016)
- Immunology and Rheumatology Division Teaching Award, Stanford University School of Medicine (2012)
- Department of Medicine Teaching Award, Stanford University School of Medicine (2009)
- Distinguished Visiting Professor, Department of Medicine, Mayo Clinic (2009)
- Faculty Fellows Program, Stanford University School of Medicine (2009)
- Stanford University Office of Diversity and Leadership, School of Medicine Faculty Fellow (2008-2009)
- Department of Medicine Teaching Award, Stanford University School of Medicine (2008)
- Elected Member, American Society for Clinical Investigation (2007)
- Exceptional Preceptor Certificate of Appreciation, Stanford University School of Medicine, Ambulatory Medicine Clerkship (2006-2007)
- Elected Member, The Kunkel Society (2006)
- Divisional Teaching Award, Stanford University (2002)
- Immunology Graduate Program Teaching and Mentoring Award, Stanford University (2002)
- Baxter Fellowship, Donald and Delia Baxter (2000)
- Proteomics Award Nominee, FOCIS (2000)
- Stanford Clinical Medicine Award, Stanford University (1991)
- Advanced Predoctoral Fellowship in Pharmacology and Toxicology, Pharmaceutical Mfg. Association (1988-1989)
- Merck Student Research Fellowship, American Heart Association (1988-1989)
- Alpha Epsilon Delta, Vice President, Stanford University (1988)
- Delta Epsilon Delta, Stanford University (1988)
- Stanford Medical Scholars Fellowship, Stanford University (1987)
- Center for Independent Learning Achievement Award, King's College (1986)
- Regina Award for Biology, King's College (1986)
- Aquinas Society, Aquinas Society (1985-1986)
- Sidney Farber Research Award, Roswell Park Memorial Institute (1985)
- CRC Chemistry Award, King's College (1983)

- King's College Dean's List, summa cum laude, King's College (1982-1986)
- King's College Scholarship Committee Award, King's College (1982-1986)
- Bausch and Lomb Science Award, Bausch and Lomb (1982)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Scientific Advisory Board, Arthritis National Research Foundation (2017 - present)
- Scientific Advisory Board, 4D Molecular Therapeutics (2017 - present)
- Scientific Advisory Board, Third Rock Ventures (2017 - 2018)
- Editorial Board Member, Arthritis Research & Therapy (2016 - 2018)
- Study Section Reviewer, National Institutes of Health, Vaccines against Microbial Diseases (2012 - 2013)
- Special Study Section Reviewer, National Institutes of Allergy and Infectious Disease (NIAID) (2011 - 2012)
- Advisory Board Member, TRACER, part of the Center for Translational Molecular Medicine (CTMM), The Netherlands (2010 - 2012)
- Editorial Board Member, Clinical and Translational Science (CTS) (new journal) (2008 - 2011)
- Editorial Board Member, Bioanalytical Reviews (2008 - 2011)
- Editorial Board Member, BMC Research Notes (new journal) (2007 - 2010)
- Editorial Advisory Board Member, Current Rheumatology Reviews (2005 - 2008)

PROFESSIONAL EDUCATION

- M.D., Stanford University , Medicine (1991)
- B.S., King's College , Biology (1986)

COMMUNITY AND INTERNATIONAL WORK

- Stanford EXPLORE Summer Lecture Series Program, Stanford University
- SIMR - Stanford Institutes of Medicine Summer Research Program, Stanford University

LINKS

- Utz Lab at Stanford: https://web.stanford.edu/group/utzlab

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

The Utz lab focuses on the immune system of patients with immunodeficiency disorders, infections, and autoimmune diseases such as systemic lupus erythematosus (SLE), rheumatoid arthritis (RA), systemic sclerosis (scleroderma), myositis, primary biliary cirrhosis (PBC), Sjögren's disease, insulin dependent diabetes (type I diabetes or IDDM), multiple sclerosis (MS), inflammatory bowel disease (IBD), Castleman’s disease, and mixed connective tissue disease (MCTD).

We develop bench-to-bedside technologies, including diagnostics and therapeutics, for human immune diseases. Our lab is also active in vaccine biology, both for inducing protective immunity to pathogens and for turning off immune responses in autoimmune diseases. We have recently pivoted efforts to study SARS-CoV-2, testing the hypothesis that the virus causes autoimmunity. Major goals of our studies are:

(1) To test the hypothesis that the virus that causes COVID-19 causes autoimmunity to develop in a subset of patients. We are working with many labs and Stanford patients to screen for autoantibodies, then to determine why they develop and how this impacts disease.

(2) To understand the mechanisms by which highly-conserved, diverse molecules and complexes such as histones and splicing particles are targeted by T and B lymphocytes, leading to organ-specific autoimmune disease.

(3) To invent and validate novel technologies for high-throughput, multiplex proteomics. Examples of technologies we have pioneered include protein and peptide microarrays, reverse phase protein lysate microarrays, high throughput immunophenotyping using transcription, and most recently Epigenetic CyTOF (EpiTOF).

(4) To take advantage of the information provided by autoantibody profiling methods to develop antigen-specific tolerizing therapies for common autoimmune diseases. Our work has led to human clinical trials of tolerizing vaccines in MS, and T1D.

Teaching

COURSES

2026-27

- Physician Scientist Career Development Symposium: INDE 258 (Spr)
- Physician-Scientist Career Development Seminar: INDE 259 (Aut, Win)

2025-26

- PSTP Career Development: INDE 259 (Aut, Win)
- Physician Scientist Career Development Symposium: INDE 258 (Spr)

2024-25

- Physician Scientist Career Development Symposium: INDE 258 (Spr)

2023-24

- Physician Scientist Career Development Symposium: INDE 258 (Spr)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Soyeon Kim, Evan Maestri

Doctoral Dissertation Advisor (AC)

Gabrielle (Gabi) Ndakwah, Sonia Presti

Postdoctoral Research Mentor

Laura van Dam

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biomedical Data Science (Masters Program)
- Biomedical Data Science (PhD Program)
- Cardiovascular Medicine (Fellowship Program)
- Immunology (PhD Program)
- Immunology/Rheumatology (Fellowship Program)
- Medicine (Masters Program)

Publications

PUBLICATIONS

- **Early HHV-6 IgG and IgA responses during acute SARS-CoV-2 infection in relation to long COVID: a multicohort observational study.** *EBioMedicine*

  Choudhury, A., Burry, M. J., Kwon, W. J., Yin, X., Rallistan, A., Presti, S., Ndakwah, G. S., Cheng, E. Q., Kalaycioglu, M., Harris, M., Frankovich, J., Karlson, E. W., Bollyky, et al

2026; 131: 106455

- **Systems Immunology of Long Covid: Insights from the STOP-PASC Clinical Trial**
  Maestri, E., Kwon, W., Zheng, H., Prestwood, T., Hedlin, H., Liang, J., McCann, H., Jones, B., Lu, R., Wiley, G., Haraguchi, E., Wirz, O., Afaghani, et al
  OXFORD UNIV PRESS.2026

- **Interferon-λ-neutralizing autoantibodies and common autoimmune disease autoantibodies in pediatric acute-onset neuropsychiatric syndrome.** *Frontiers in immunology*
  Yin, X., Frankovich, J., Kalaycioglu, M., Choudhury, A., Burry, M. J., Kwon, W. J., Tian, L., Ma, M., Farhadian, B., Manko, C., Silverman, M., Xie, Y., Tran, et al
  2026; 17: 1832833

- **Microbial and immune determinants of disease severity and death in pediatric pneumonia.** *medRxiv : the preprint server for health sciences*
  Hanze Villavicencio, K. L., Tanes, C., Malekshahi, C., Cutillo, D., Knoll, M. D., Prosperi, C., Kalaycioglu, M., Harris, M., Utz, P. J., Mattei, L. M., Beiting, D. P.
  2026

- **CD38 defines a therapeutically targetable pathogenic T cell population for precision immunotherapy in autoimmune diabetes.** *bioRxiv : the preprint server for biology*
  Pathak, S., Ahmed, R., Nagy, N., Lee, S., Bader, C. S., Regmi, S., Iliopoulou, B. P., Chen, P. I., Gupta, B., Villar-Prados, A., Kim, Y. B., Hussein, N., SooHoo, et al
  2026

- **Antibody repertoire associated with clinically diverse presentations of pediatric SARS-CoV-2 infection.** *Scientific reports*
  Bruiners, N., Ukey, R., Konvinse, K. C., Harris, M., Kalaycioglu, M., Yang, J. H., Yang, E., Ganapathi, U., Honnen, W., Andrews, T., Richlin, B., Suarez, C., Gaur, et al
  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

- **RNA origin of sex-biased immunity.** *Molecular therapy. Nucleic acids*
  Chang, H. Y., Chung, L., Davis, M. M., Fiorentino, D., Lee, J., Lundberg, E., Utz, P. J.
  2026; 37 (1): 102853

- **High levels of nonblocking anti-interferon and anticytokine autoantibodies in individuals with mRNA vaccine-induced systemic allergic reactions** *JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY: GLOBAL*
  Kalaycioglu, M., Feng, A., Dhingra, S., Khalid, M. B., Nadeau, K. C., Utz, P. J., Frischmeyer-Guerrerio, P. A.
  2026; 5 (2)

- **High levels of nonblocking anti-interferon and anticytokine autoantibodies in individuals with mRNA vaccine-induced systemic allergic reactions.** *The journal of allergy and clinical immunology. Global*
  Kalaycioglu, M., Feng, A., Dhingra, S., Khalid, M. B., Nadeau, K. C., Utz, P. J., Frischmeyer-Guerrerio, P. A.
  2026; 5 (2): 100622

- **RNA origin of sex-biased immunity** *MOLECULAR THERAPY NUCLEIC ACIDS*
  Chang, H. Y., Chung, L., Davis, M. M., Fiorentino, D., Lee, J., Lundberg, E., Utz, P. J.
  2026; 37 (1)

- **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

- **Macrophage Activation Syndrome-Associated Proteins and Enhanced Interferon-γ Responsiveness in the Plasma Proteome of Patients With Multisystem Inflammatory Syndrome in Children in a Pretreatment Replication Single-Center Cohort.** *ACR open rheumatology*
  McCuaig, S., Toland, C., Konvinse, K. C., Yang, E., Utz, P. J., Vella, L. A., Odom John, A. R., Bassiri, H., Behrens, E. M.
  2026; 8 (2): e70181

- **Social Determinants of Health and Pediatric Long COVID in the US.** *JAMA pediatrics*
  Rhee, K. E., Thaweethai, T., Pant, D. B., Stein, C. R., Salisbury, A. L., Kinser, P. A., Kleinman, L. C., Gallagher, R., Warburton, D., Mohandas, S., Snowden, J. N., Stockwell, M. S., Tantisira, et al
  2026

- **Inhibition of CXCL10 and IFN-γ ameliorates myocarditis in preclinical models of SARS-CoV-2 mRNA vaccination.** *Science translational medicine*
  Cao, X., Manhas, A., Chen, Y. I., Caudal, A., Mondejar-Parreño, G., Zhu, W., Liu, W., Kong, X., Zeng, W., Liu, L., Zhao, S. R., Jahng, J. W., Utz, et al
  2025; 17 (828): eadq0143

- **Long COVID trajectories in the prospectively followed RECOVER-Adult US cohort.** *Nature communications*
  Thaweethai, T., Donohue, S. E., Martin, J. N., Hornig, M., Mosier, J. M., Shinnick, D. J., Ashktorab, H., Atieh, O., Blomkalns, A., Brim, H., Chen, Y., Cortez, M. M., Erdmann, et al
  2025; 16 (1): 9557

- **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

- **Robust mission-driven responses to infectious disease threats delivered by the Abbott Pandemic Defense Coalition.** *International journal of infectious diseases : IJID : official publication of the International Society for Infectious Diseases*
  Rodgers, M. A., Averhoff, F., Berg, M. G., Anderson, M., Strobel, C., Inostroza, J., Moy, J., Mera, J., Utz, P. J., Weaver, S., Chiu, C. Y., De Arcos, J. C., Anzinger, et al
  2025: 108162

- **Serum soluble mediator signatures of lupus nephritis: histological features and response to treatment.** *Arthritis care & research*
  Fava, A., Wagner, C. A., Guthridge, C. J., Macwana, S., DeJager, W., Munroe, M. E., Izmirly, P., Belmont, H. M., Diamond, B., Davidson, A., Utz, P. J., Weisman, M. H., Carlucci, et al
  2025

- **Longitudinal Patient-Reported Outcome Trajectories in Long COVID: Findings From the STOP-PASC Clinical Trial.** *Open forum infectious diseases*
  Jagannathan, P., Hedlin, H., Liang, J. W., Shaw, B., Maestri, E., Lin, M., Utz, P. J., Singh, U., Geng, L. N., Bonilla, H.
  2025; 12 (10): ofaf634

- **Olfactory Dysfunction After SARS-CoV-2 Infection in the RECOVER Adult Cohort.** *JAMA network open*
  Horwitz, L. I., Becker, J. H., Huang, W., Akintonwa, T., Hornig-Rohan, M. M., Maranga, G., Adams, D. R., Albers, M. W., Ayache, M., Berry, J., Brim, H., Bryan, T. W., Charney, et al
  2025; 8 (9): e2533815

- **Antibody repertoire associated with clinically diverse presentations of pediatric SARS-CoV-2 infection.** *medRxiv : the preprint server for health sciences*
  Bruiners, N., Ukey, R., Konvinse, K. C., Harris, M., Kalaycioglu, M., Yang, J. H., Yang, E., Ganapathi, U., Honnen, W., Andrews, T., Richlin, B., Suarez, C., Gaur, et al
  2025

- **Response to "Concerns Regarding PTX-3 Specificity and ROC Interpretation in the Study on Endothelial Biomarkers of SSc-Associated Pulmonary Hypertension".** *Arthritis care & research*
  Lammi, M., Kolstad, K. D., Saketkoo, L. A., Khatri, A., Utz, P. J., Steen, V., Chung, L.
  2025

- **PROTEOMIC ANALYSIS OF SERUM OVER TIME TO FORECAST TREATMENT RESPONSE IN LUPUS NEPHRITIS**
  Lu, R., Fava, A., Izmirly, P., Jones, B., Anolik, J., Putterman, C., Wofsy, D., Kamen, D. L., Dall'Era, M., Kalunian, K., Belmont, M. H., Furie, R., Macwana, et al
  J RHEUMATOL PUBL CO.2025: 54-55

- **NONINVASIVE HIGH-THROUGHPUT SERUM PROTEOMICS FOR DISTINGUISHING SUBTYPES OF LUPUS NEPHRITIS**
  Lu, R., Fava, A., Jones, B., Izmirly, P., Anolik, J., Putterman, C., Wofsy, D., Kamen, D. L., Dall'Era, M., Kalunian, K., Belmont, M. H., Furie, R., Macwana, et al

J RHEUMATOL PUBL CO.2025: 67-68

- **Distinct type 1 immune networks underlie the severity of restrictive lung disease after COVID-19.** *Nature immunology*
  Canderan, G., Muehling, L. M., Kadl, A., Ladd, S., Bonham, C., Cross, C. E., Lima, S. M., Yin, X., Sturek, J. M., Wilson, J. M., Keshavarz, B., Enfield, K. B., Ramani, et al
  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

- **Common connective tissue disorder and anti-cytokine autoantibodies are enriched in idiopathic multicentric castleman disease patients.** *Frontiers in immunology*
  Feng, A., Gonzalez, M. V., Kalaycioglu, M., Yin, X., Mumau, M., Shyamsundar, S., Bustamante, M. S., Chang, S. E., Dhingra, S., Dodig-Crnkovic, T., Schwenk, J. M., Garg, T., Yoshizaki, et al
  2025; 16: 1528465

- **Disease diagnostics using machine learning of B cell and T cell receptor sequences.** *Science (New York, N.Y.)*
  Zaslavsky, M. E., Craig, E., Michuda, J. K., Sehgal, N., Ram-Mohan, N., Lee, J. Y., Nguyen, K. D., Hoh, R. A., Pham, T. D., Röltgen, K., Lam, B., Parsons, E. S., Macwana, et al
  2025; 387 (6736): eadp2407

- **Sex Differences in Long COVID.** *JAMA network open*
  Shah, D. P., Thaweethai, T., Karlson, E. W., Bonilla, H., Horne, B. D., Mullington, J. M., Wisnivesky, J. P., Hornig, M., Shinnick, D. J., Klein, J. D., Erdmann, N. B., Brosnahan, S. B., Lee-Iannotti, et al
  2025; 8 (1): e2455430

- **Batch Correction and Comparison of Intracellular Signaling Among Multiple Rheumatic and Inflammatory Diseases** *JOURNAL OF PROBABILITY AND STATISTICS*
  Holmes, T. H., Couse, M., Rosenberg-Hasson, Y., Fernandez, R., Fernandez, A., Mathi, K., Guthridge, J. M., James, J. A., Yabu, J. M., Haddad, F., Utz, P. J., Hardan, A., Fathman, et al
  2025; 2025 (1)

- **2024 Update of the RECOVER-Adult Long COVID Research Index.** *JAMA*
  Geng, L. N., Erlandson, K. M., Hornig, M., Letts, R., Selvaggi, C., Ashktorab, H., Atieh, O., Bartram, L., Brim, H., Brosnahan, S. B., Brown, J., Castro, M., Charney, et al
  2024

- **Impact of air pollution exposure on cytokines and histone modification profiles at single-cell levels during pregnancy.** *Science advances*
  Jung, Y. S., Aguilera, J., Kaushik, A., Ha, J. W., Cansdale, S., Yang, E., Ahmed, R., Lurmann, F., Lutzker, L., Hammond, S. K., Balmes, J., Noth, E., Burt, et al
  2024; 10 (48): eadp5227

- **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

- **Activation of Autoreactive Lymphocytes in the Lung by STING Gain-of-function Mutation Expressing Radioresistant Cells**
  Gao, K., Chiang, K., Subramanian, S., Yin, X., Utz, P., Nundel, K., Fitzgerald, K. A., Marshak-Rothstein, A.
  WILEY.2024: 1742-1744

- **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

- **Differentiation of Prior SARS-CoV-2 Infection and Postacute Sequelae by Standard Clinical Laboratory Measurements in the RECOVER Cohort.** *Annals of internal medicine*
  Erlandson, K. M., Geng, L. N., Selvaggi, C. A., Thaweethai, T., Chen, P., Erdmann, N. B., Goldman, J. D., Henrich, T. J., Hornig, M., Karlson, E. W., Katz, S. D., Kim, C., Cribbs, et al

2024

- **Clinical immunity to malaria involves epigenetic reprogramming of innate immune cells.** *PNAS nexus*
  Nideffer, J., Ty, M., Donato, M., John, R., Kajubi, R., Ji, X., Nankya, F., Musinguzi, K., Press, K. D., Yang, N., Camanag, K., Greenhouse, B., Kamya, et al
  2024; 3 (8): pgae325

- **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-+

- **Activation of autoreactive lymphocytes in the lung by STING gain-of-function mutation expressing radioresistant cells.** *JCI insight*
  Gao, K. M., Chiang, K., Subramanian, S., Yin, X., Utz, P. J., Nündel, K., Fitzgerald, K. A., Marshak-Rothstein, A.
  2024

- **Direct presentation of inflammation-associated self-antigens by thymic innate-like T cells induces elimination of autoreactive CD8+ thymocytes.** *Nature immunology*
  You, Y., Dunst, J., Ye, K., Sandoz, P. A., Reinhardt, A., Sandrock, I., Comet, N. R., Sarkar, R. D., Yang, E., Duprez, E., Agudo, J., Brown, B. D., Utz, et al
  2024

- **IL-12 drives the differentiation of human T follicular regulatory cells.** *Science immunology*
  Castaño, D., Wang, S., Atencio-Garcia, S., Shields, E. J., Rico, M. C., Sharpe, H., Bustamante, J., Feng, A., Le Coz, C., Romberg, N., Tobias, J. W., Utz, P. J., Henrickson, et al
  2024; 9 (97): eadf2047

- **Association of autoantibody concentrations and trajectories with lupus nephritis histological features and treatment response.** *Arthritis & rheumatology (Hoboken, N.J.)*
  Fava, A., Wagner, C. A., Guthridge, C. J., Kheir, J., Macwana, S., DeJager, W., Gross, T., Izmirly, P., Belmont, H. M., Diamond, B., Davidson, A., Utz, P. J., Weisman, et al
  2024

- **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

- **Nirmatrelvir-Ritonavir and Symptoms in Adults With Postacute Sequelae of SARS-CoV-2 Infection: The STOP-PASC Randomized Clinical Trial.** *JAMA internal medicine*
  Geng, L. N., Bonilla, H., Hedlin, H., Jacobson, K. B., Tian, L., Jagannathan, P., Yang, P. C., Subramanian, A. K., Liang, J. W., Shen, S., Deng, Y., Shaw, B. J., Botzheim, et al
  2024

- **Factors associated with immune responses to SARS-CoV-2 vaccination in autoimmune disease individuals.** *JCI insight*
  Anderson, E., Powell, M., Yang, E., Kar, A., Leung, T. M., Sison, C., Steinberg, R., Mims, R., Choudhury, A., Espinosa, C., Zelmanovich, J., Okoye, N. C., Choi, et al
  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

- **Unveiling the proteome-wide autoreactome enables enhanced evaluation of emerging CAR-T therapies in autoimmunity.** *The Journal of clinical investigation*
  Bodansky, A., Yu, D. J., Rallistan, A. N., Kalaycioglu, M., Boonyaratanakornkit, J., Green, D. J., Gauthier, J., Turtle, C. J., Zorn, K. C., O'Donovan, B., Mandel-Brehm, C., Asaki, J., Kortbawi, et al
  2024

- **Type I Interferon Autoantibodies Are Not Associated With the Development of Long COVID**
  Pacheco-Navarro, A., Harris, M., Caldwell, E., Thompson, B., Baron, R. M., Aggarwal, N. R., Matthay, M. A., Hough, C., Utz, P. J., Rogers, A.

AMER THORACIC SOC.2024

- **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
- **Impaired innate and adaptive immune responses to BNT162b2 SARS-CoV-2 vaccination in systemic lupus erythematosus.** *JCI insight*
  Sarin, K. Y., Zheng, H., Chaichian, Y., Arunachalam, P. S., Swaminathan, G., Eschholz, A., Gao, F., Wirz, O. F., Lam, B., Yang, E., Lee, L. W., Feng, A., Lewis, et al
  2024; 9 (5)
- **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
- **T cell help shapes B cell tolerance.** *Science immunology*
  Akama-Garren, E. H., Yin, X., Prestwood, T. R., Ma, M., Utz, P. J., Carroll, M. C.
  2024; 9 (92): eadj7029
- **Xist ribonucleoproteins promote female sex-biased autoimmunity.** *Cell*
  Dou, D. R., Zhao, Y., Belk, J. A., Zhao, Y., Casey, K. M., Chen, D. C., Li, R., Yu, B., Srinivasan, S., Abe, B. T., Kraft, K., Hellström, C., Sjöberg, et al
  2024; 187 (3): 733-749.e16
- **Air Pollution and Pregnancy: Insights into Immune Response, Histone Modifications, and Cytokine Signatures**
  Jung, Y., Ha, J., Aguilera, J., Kaushik, A., Cansdale, S., Yang, E., Dermadi, D., Lurmann, F., Lutzker, L., Hammond, K., Balmes, J., Noth, E., Eisen, et al
  MOSBY-ELSEVIER.2024: AB370
- **Unveiling the autoreactome: Proteome-wide immunological fingerprints reveal the promise of plasma cell depleting therapy.** *medRxiv : the preprint server for health sciences*
  Bodansky, A., Yu, D. J., Rallistan, A., Kalaycioglu, M., Boonyaratanakornkit, J., Green, D. J., Gauthier, J., Turtle, C. J., Zorn, K., O'Donovan, B., Mandel-Brehm, C., Asaki, J., Kortbawi, et al
  2023
- **Identification of Autoantibodies Associated with Connective Tissue Disorders in Idiopathic Multicentric Castleman Disease**
  Feng, A., Gonzalez, M. V., Mumau, M., Shyamsundar, S., Utz, P. J., Fajgenbaum, D. C.
  AMER SOC HEMATOLOGY.2023
- **Antigen presentation by B cells enables epitope spreading across an MHC barrier.** *Nature communications*
  Fahlquist-Hagert, C., Wittenborn, T. R., Terczyńska-Dyla, E., Kastberg, K. S., Yang, E., Rallistan, A. N., Markett, Q. R., Winther, G., Fonager, S., Voss, L. F., Pedersen, M. K., van Campen, N., Ferapontov, et al
  2023; 14 (1): 6941
- **Epigenetic Profiling of PTPN11 Mutant JMML Hematopoietic Stem and Progenitor Cells Reveals an Aberrant Histone Landscape.** *Cancers*
  Sinha, R., Dvorak, M., Ganesan, A., Kalesinskas, L., Niemeyer, C. M., Flotho, C., Sakamoto, K. M., Lacayo, N., Patil, R. V., Perriman, R., Cepika, A. M., Liu, Y. L., Kuo, et al
  2023; 15 (21)
- **Air pollution and pregnancy.** *Seminars in perinatology*
  Aguilera, J., Konvinse, K., Lee, A., Maecker, H., Prunicki, M., Mahalingaiah, S., Sampath, V., Utz, P. J., Yang, E., Nadeau, K. C.
  2023: 151838
- **Xist Ribonucleoproteins Promote Female Sex-biased Autoimmunity**
  Dou, D., Zhao, Y., Belk, J., Zhao, Y., Casey, K., Chen, D., Li, R., Yu, B., Srinivasan, S., Abe, B., Kraft, K., Hellstroem, C., Sjoeberg, et al
  WILEY.2023: 25-26
- **ANTIDOPAMINE RECEPTOR AUTOANTIBODY DETECTION IN POSTINFECTIOUS NEUROPSYCHIATRIC SYNDROMES**
  Yin, X., Prestwood, T., Utz, P. J., Frankovich, J.

ELSEVIER SCIENCE INC.2023: S273

- **Multi-omics analysis of mucosal and systemic immunity to SARS-CoV-2 after birth.** *Cell*
  Wimmers, F., Burrell, A. R., Feng, Y., Zheng, H., Arunachalam, P. S., Hu, M., Spranger, S., Nyhoff, L. E., Joshi, D., Trisal, M., Awasthi, M., Bellusci, L., Ashraf, et al
  2023

- **Ancestry-based differences in the immune phenotype are associated with lupus activity.** *JCI insight*
  Slight-Webb, S., Thomas, K., Smith, M., Wagner, C. A., Macwana, S., Bylinska, A., Donato, M., Dvorak, M., Chang, S. E., Kuo, A., Cheung, P., Kalesinskas, L., Ganesan, et al
  2023; 8 (16)

- **Endothelial biomarkers of systemic sclerosis-associated pulmonary hypertension.** *Arthritis care & research*
  Lammi, M. R., Kolstad, K. D., Saketkoo, L. A., Khatri, A., Utz, P. J., Steen, V. D., Chung, L.
  2023

- **Researching COVID to Enhance Recovery (RECOVER) adult study protocol: Rationale, objectives, and design.** *PloS one*
  Horwitz, L. I., Thaweethai, T., Brosnahan, S. B., Cicek, M. S., Fitzgerald, M. L., Goldman, J. D., Hess, R., Hodder, S. L., Jacoby, V. L., Jordan, M. R., Krishnan, J. A., Laiyemo, A. O., Metz, et al
  2023; 18 (6): e0286297

- **Addendum: Systems vaccinology of the BNT162b2 mRNA vaccine in humans.** *Nature*
  Arunachalam, P. S., Scott, M. K., Hagan, T., Li, C., Feng, Y., Wimmers, F., Grigoryan, L., Trisal, M., Edara, V. V., Lai, L., Chang, S. E., Feng, A., Dhingra, et al
  2023

- **IL-12 drives the differentiation of human T follicular regulatory cells**
  Locci, M., Castano, D., Wang, S., Sharpe, H., Bustamante, J., Yang, E., Feng, A., Le Coz, C., Romberg, N. D., Utz, P. J., Henrickson, S. E., Casanova, J.
  AMER ASSOC IMMUNOLOGISTS.2023

- **Autoantibody Profiles Differ in Immunocompromised Hospitalized COVID-19 Patients, But Are Not Associated With Mortality**
  Morin, H. D., Pacheco-Navarro, A. E., Yang, E., Caldwell, E., Thompson, B., Baron, R. M., Aggarwal, N. R., Maldonado, Y., Bollyky, J., Matthay, M. A., Hough, C., Utz, P. J., Rogers, et al
  AMER THORACIC SOC.2023

- **Autoantibodies Are Prevalent in Hospitalized COVID-19 Patients, But Are Not Associated With Short-term Outcomes**
  Pacheco-Navarro, A., Yang, E., Caldwell, E., Thompson, B., Aggarwal, N. R., Maldonado, Y., Bollyky, J., Matthay, M. A., Hough, C., Utz, P. J., Rogers, A.
  AMER THORACIC SOC.2023

- **Climate change and public health: The effects of global warming on the risk of allergies and autoimmune diseases: The effects of global warming on the risk of allergies and autoimmune diseases.** *EMBO reports*
  Lee, A. S., Aguilera, J., Efobi, J. A., Jung, Y. S., Seastedt, H., Shah, M. M., Yang, E., Konvinse, K., Utz, P. J., Sampath, V., Nadeau, K. C.
  2023: e56821

- **Autoantibodies are highly prevalent in non-SARS-CoV-2 respiratory infections and critical illness.** *JCI insight*
  Feng, A., Yang, E. Y., Moore, A. R., Dhingra, S., Chang, S. E., Yin, X., Pi, R., Mack, E. K., Völkel, S., Geßner, R., Gündisch, M., Neubauer, A., Renz, et al
  2023; 8 (3)

- **The impacts of ambient air pollution exposure during pregnancy on maternal and neonatal inflammatory biomarkers**
  Ha, J., Aguilera, J., Jung, Y., Cansdale, S., Lurmann, F., Lutzker, L., Hammond, K., Balmes, J., Noth, E., Eisen, E., Aghaeepour, N., Shaw, G., Waldrop, et al
  MOSBY-ELSEVIER.2023: AB119

- **Systems biological assessment of the temporal dynamics of immunity to a viral infection in the first weeks and months of life.** *medRxiv : the preprint server for health sciences*
  Wimmers, F., Burrell, A. R., Feng, Y., Zheng, H., Arunachalam, P. S., Hu, M., Spranger, S., Nyhoff, L., Joshi, D., Trisal, M., Awasthi, M., Bellusci, L., Ashraf, et al
  2023

- **Malaria-driven expansion of adaptive-like functional CD56-negative NK cells correlates with clinical immunity to malaria.** *Science translational medicine*
  Ty, M., Sun, S., Callaway, P. C., Rek, J., Press, K. D., van der Ploeg, K., Nideffer, J., Hu, Z., Klemm, S., Greenleaf, W., Donato, M., Tukwasibwe, S., Arinaitwe, et al
  2023; 15 (680): eadd9012

- **Inferring direction of associations between histone modifications using a neural processes-based framework.** *iScience*
  Ganesan, A., Dermadi, D., Kalesinskas, L., Donato, M., Sowers, R., Utz, P. J., Khatri, P.
  2023; 26 (1): 105756

- **Characterising the autoantibody repertoire in systemic sclerosis following myeloablative haematopoietic stem cell transplantation.** *Annals of the rheumatic diseases*
  Ayoglu, B., Donato, M., Furst, D. E., Crofford, L. J., Goldmuntz, E., Keyes-Elstein, L., James, J., Macwana, S., Mayes, M. D., McSweeney, P., Nash, R. A., Sullivan, K. M., Welch, et al
  2023

- **Development of a Definition of Postacute Sequelae of SARS-CoV-2 Infection.** *JAMA*
  Thaweethai, T., Jolley, S. E., Karlson, E. W., Levitan, E. B., Levy, B., McComsey, G. A., McCorkell, L., Nadkarni, G. N., Parthasarathy, S., Singh, U., Walker, T. A., Selvaggi, C. A., Shinnick, et al
  2023

- **Mass-cytometry-based quantitation of global histone post-translational modifications at single-cell resolution across peripheral immune cells in IBD.** *Journal of Crohn's & colitis*
  Bai, L., Dermadi, D., Kalesinskas, L., Dvorak, M., Chang, S. E., Ganesan, A., Rubin, S. J., Kuo, A., Cheung, P., Donato, M., Utz, P. J., Habtezion, A., Khatri, et al
  2022

- **Clonal replacement sustains long-lived germinal centers primed by respiratory viruses.** *Cell*
  de Carvalho, R. V., Ersching, J., Barbulescu, A., Hobbs, A., Castro, T. B., Mesin, L., Jacobsen, J. T., Phillips, B. K., Hoffmann, H. H., Parsa, R., Canesso, M. C., Nowosad, C. R., Feng, et al
  2022

- **New-Onset Autoantibodies Are Prevalent in Non-COVID Critical Illness**
  Moore, A. R., Feng, A., Roque, J., Asuni, T., Yang, E., Yin, X., Utz, P. J., Rogers, A.
  AMER THORACIC SOC.2022

- **Anti-phospholipid antibodies are elevated and functionally active in chronic rhinosinusitis with nasal polyps** *CLINICAL AND EXPERIMENTAL ALLERGY*
  Eide, J. G., Wu, J., Stevens, W. W., Bai, J., Hou, S., Huang, J. H., Rosenberg, J., Utz, P., Shintani-Smith, S., Conley, D. B., Welch, K. C., Kern, R. C., Hulse, et al
  2022; 52 (8): 954-964

- **Increases in ambient air pollutants during pregnancy are linked to increases in methylation of IL4, IL10, and IFNgamma.** *Clinical epigenetics*
  Aguilera, J., Han, X., Cao, S., Balmes, J., Lurmann, F., Tyner, T., Lutzker, L., Noth, E., Hammond, S. K., Sampath, V., Burt, T., Utz, P. J., Khatri, et al
  2022; 14 (1): 40

- **KIR+CD8+ T cells suppress pathogenic T cells and are active in autoimmune diseases and COVID-19.** *Science (New York, N.Y.)*
  Li, J., Zaslavsky, M., Su, Y., Guo, J., Sikora, M. J., van Unen, V., Christophersen, A., Chiou, S., Chen, L., Li, J., Ji, X., Wilhelmy, J., McSween, et al
  2022: eabi9591

- **A GMR-based assay for quantification of the human response to influenza.** *Biosensors & bioelectronics*
  Ravi, N., Chang, S. E., Franco, L. M., Nagamani, S. C., Khatri, P., Utz, P. J., Wang, S. X.
  2022; 205: 114086

- **Cytokine signatures differentiate systemic sclerosis patients at high versus low risk for pulmonary arterial hypertension.** *Arthritis research & therapy*
  Kolstad, K. D., Khatri, A., Donato, M., Chang, S. E., Li, S., Steen, V. D., Utz, P. J., Khatri, P., Chung, L.
  2022; 24 (1): 39

- **High Interferon Signature Leads to Increased STAT1/3/5 Phosphorylation in PBMCs From SLE Patients by Single Cell Mass Cytometry** *FRONTIERS IN IMMUNOLOGY*

Yiu, G., Rasmussen, T., Tsai, B. L., Diep, V. K., Haddon, D. J., Tsoi, J., Miller, G. D., Comin-Anduix, B., Deleuran, B., Crooks, G. M., Utz, P. J.
2022; 13: 833636

- **Autoantibodies targeting cytokines and connective tissue disease autoantigens are common in acute non-SARS-CoV-2 infections.** *Research square*
  Feng, A., Yang, E., Moore, A., Dhingra, S., Chang, S., Yin, X., Pi, R., Mack, E., Völkel, S., Geßner, R., Gundisch, M., Neubauer, A., Renz, et al
  2022
- **Early non-neutralizing, afucosylated antibody responses are associated with COVID-19 severity.** *Science translational medicine*
  Chakraborty, S., Gonzalez, J. C., Sievers, B. L., Mallajosyula, V., Chakraborty, S., Dubey, M., Ashraf, U., Cheng, B. Y., Kathale, N., Tran, K. Q., Scallan, C., Sinnott, A., Cassidy, et al
  1800: eabm7853
- **Translating science to medicine: The case for physician-scientists.** *Science translational medicine*
  Utz, P. J., Jain, M. K., Cheung, V. G., Kobilka, B. K., Lefkowitz, R., Yamada, T., Dzau, V. J.
  2022; 14 (632): eabg7852
- **Immune Dysregulation in Acute SARS-CoV-2 Infection.** *Pathogens & immunity*
  Grimm, L., Onyeukwu, C., Kenny, G., Parent, D. M., Fu, J., Dhingra, S., Yang, E., Moy, J., Utz, P. J., Tracy, R., Landay, A.
  2022; 7 (2): 143-170
- **The intersection of COVID-19 and autoimmunity.** *The Journal of clinical investigation*
  Knight, J. S., Caricchio, R., Casanova, J. L., Combes, A. J., Diamond, B., Fox, S. E., Hanauer, D. A., James, J. A., Kanthi, Y., Ladd, V., Mehta, P., Ring, A. M., Sanz, et al
  2021
- **New-onset IgG autoantibodies in hospitalized patients with COVID-19.** *Nature communications*
  Chang, S. E., Feng, A., Meng, W., Apostolidis, S. A., Mack, E., Artandi, M., Barman, L., Bennett, K., Chakraborty, S., Chang, I., Cheung, P., Chinthrajah, S., Dhingra, et al
  2021; 12 (1): 5417
- **Single-cell Profiling of B and T Cell Repertoire and Gene Expression in the RA Synovium Reveals Tissue Specific Clonal Expansion**
  Meednu, N., Wagner, A., Dunlap, G., Zhang, F., Jonsson, A., Wei, K., Utz, P., Robinson, W., Maecker, H., James, J., Guthridge, J., Bridges, S., Bykerk, et al
  WILEY.2021: 951-952
- **New-Onset IgG Autoantibodies in Hospitalized Patients with COVID-19**
  Chang, S., Feng, A., Meng, W., Apostolidis, S., Mack, E., Artandi, M., Barman, L., Bennett, K., Chakraborty, S., Chang, I., Cheung, P., Chinthrajah, S., Dhingra, et al
  WILEY.2021: 3202-3205
- **The single-cell epigenomic and transcriptional landscape of immunity to influenza vaccination in humans**
  Wimmers, F., Donato, M., Kuo, A., Ashuach, T., Gupta, S., Li, C., Dvorak, M., Foecke, M., Chang, S. E., Hagan, T., De Jong, S. E., Maecker, H. T., Van der Most, et al
  WILEY.2021: 31
- **The single-cell epigenomic and transcriptional landscape of immunity to influenza vaccination.** *Cell*
  Wimmers, F., Donato, M., Kuo, A., Ashuach, T., Gupta, S., Li, C., Dvorak, M., Foecke, M. H., Chang, S. E., Hagan, T., De Jong, S. E., Maecker, H. T., van der Most, et al
  2021
- **Repression of CTSG, ELANE and PRTN3-mediated histone H3 proteolytic cleavage promotes monocyte-to-macrophage differentiation.** *Nature immunology*
  Cheung, P., Schaffert, S., Chang, S. E., Dvorak, M., Donato, M., Macaubas, C., Foecke, M. H., Li, T., Zhang, L., Coan, J. P., Schulert, G. S., Grom, A. A., Henderson, et al
  2021
- **Innovations in MD-only physician-scientist training experiences from the Burroughs Wellcome Fund physician-scientist institutional award initiative** *JOURNAL OF CLINICAL INVESTIGATION*
  McElvaine, A. T., Hawkins-Salsbury, J. A., Arora, V. M., Gladwin, M. T., Goldenring, J. R., Huston, D. P., Krakow, D., Rhee, K., Solway, J., Steinman, R. A., Towler, D. A., Utz, P. J., Yokoyama, et al

2021; 131 (10)

- **An Exon 2-deficient isoform of the Foxp3 gene fails to protect against IgE-mediated cutaneous autoimmunity after ultraviolet light exposure.**
  Domeier, P. P., Chang, S., Utz, P. J., Zhou, B., Ziegler, S. F.
  AMER ASSOC IMMUNOLOGISTS.2021

- **Systems biological assessment of human immunity to BNT162b2 mRNA vaccination.** *Research square*
  Arunachalam, P. S., Scott, M. K., Hagan, T., Li, C., Feng, Y., Wimmers, F., Grigoryan, L., Trisal, M., Edara, V. V., Lai, L., Chang, S. E., Feng, A., Dhingra, et al
  2021

- **Systems vaccinology of the BNT162b2 mRNA vaccine in humans.** *Nature*
  Arunachalam, P. S., Scott, M. K., Hagan, T., Li, C., Feng, Y., Wimmers, F., Grigoryan, L., Trisal, M., Edara, V. V., Lai, L., Chang, S. E., Feng, A., Dhingra, et al
  2021

- **Complement C4A Regulates Autoreactive B Cells in Murine Lupus** *CELL REPORTS*
  Simoni, L., Presumey, J., van der Poel, C. E., Castrillon, C., Chang, S. E., Utz, P. J., Carroll, M. C.
  2020; 33 (5): 108330

- **Hydroxychloroquine Use Is Associated with Diminished Type I Interferon-related Pathways in Systemic Lupus Erythematosus Patients**
  Slight-Webb, S., Thomas, K., Lu, R., Macwana, S., Merrill, J., Arriens, C., Chakravarty, E., Aberle, T., Maecker, H., Utz, P., Guthridge, J., James, J.
  WILEY.2020

- **Exhausted pSTAT5-IFN alpha Signaling Pathways in SLE Patients Are Correlated with Age-associated B Cells and Disease Activity**
  Slight-Webb, S., Smith, M., Thomas, K., Macwana, S., Maecker, H., Utz, P., James, J., Guthridge, J.
  WILEY.2020

- **Stanford University School of Medicine** *ACADEMIC MEDICINE*
  Bernstein, D., Irvine, C. A., Basaviah, P., Lau, J. N., Austin, B., Utz, P. J., Gesundheit, N.
  2020; 95 (9): S50–S53

- **UVB light exposure promotes IgE autoantibody production and skin autoreactivity in mice that express a lupus-associated isoform of Foxp3**
  Domeier, P. P., Chang, S. E., Spath, S., Utz, P. J., Zhou, B., Ziegler, S. F.
  AMER ASSOC IMMUNOLOGISTS.2020

- **Integrated, multicohort analysis reveals unified signature of systemic lupus erythematosus.** *JCI insight*
  Haynes, W. A., Haddon, D. J., Diep, V. K., Khatri, A. n., Bongen, E. n., Yiu, G. n., Balboni, I. n., Bolen, C. R., Mao, R. n., Utz, P. J., Khatri, P. n.
  2020; 5 (4)

- **Autoantibody-positive healthy individuals with lower lupus risk display a unique immune endotype.** *The Journal of allergy and clinical immunology*
  Slight-Webb, S. n., Smith, M. n., Bylinska, A. n., Macwana, S. n., Guthridge, C. n., Lu, R. n., Merrill, J. T., Chakravarty, E. n., Arriens, C. n., Munroe, M. E., Maecker, H. T., Utz, P. J., Guthridge, et al
  2020

- **Detection Score for Pulmonary Hypertension in Systemic Sclerosis Patients: Observations from the Pharos Registry**
  Kolstad, K., Saketkoo, L., Utz, P. J., Steen, V., Chung, L., Lammi, M. R.
  AMER THORACIC SOC.2020

- **Mining the Proteome Associated with Rheumatic and Autoimmune Diseases** *JOURNAL OF PROTEOME RESEARCH*
  Ruiz-Romero, C., Lam, M. P. Y., Nilsson, P., Onnerfjord, P., Utz, P. J., Van Eyk, J. E., Venkatraman, V., Fert-Bober, J., Watt, F. E., Blanco, F. J.
  2019; 18 (12): 4231–39

- **Sex Differences in the Blood Transcriptome Identify Robust Changes in Immune Cell Proportions with Aging and Influenza Infection.** *Cell reports*
  Bongen, E., Lucian, H., Khatri, A., Fragiadakis, G. K., Bjornson, Z. B., Nolan, G. P., Utz, P. J., Khatri, P.
  2019; 29 (7): 1961

- **Cytokine Signatures Differentiate Systemic Sclerosis Patients at High versus Low Risk for Pulmonary Arterial Hypertension**
  Kolstad, K., Khatri, A., Donato, M., Chang, S., Li, S., Steen, V., Utz, P., Khatri, P., Chung, L.
  WILEY.2019

- **Unique Sjogren's syndrome patient subsets defined by molecular features.** *Rheumatology (Oxford, England)*
  James, J. A., Guthridge, J. M., Chen, H., Lu, R., Bourn, R. L., Bean, K., Munroe, M. E., Smith, M., Chakravarty, E., Baer, A. N., Noaiseh, G., Parke, A., Boyle, et al
  2019

- **Antigen-specific tolerance to self-antigens in protein replacement therapy, gene therapy and autoimmunity.** *Current opinion in immunology*
  Steinman, L., Ho, P. P., Robinson, W. H., Utz, P. J., Villoslada, P.
  2019; 61: 46–53

- **The immune cell landscape in kidneys of patients with lupus nephritis** *NATURE IMMUNOLOGY*
  Arazi, A., Rao, D. A., Berthier, C. C., Davidson, A., Liu, Y., Hoover, P. J., Chicoine, A., Eisenhaure, T. M., Jonsson, A., Li, S., Lieb, D. J., Zhang, F., Slowikowski, et al
  2019; 20 (7): 902-+

- **Tubular cell and keratinocyte single-cell transcriptomics applied to lupus nephritis reveal type I IFN and fibrosis relevant pathways** *NATURE IMMUNOLOGY*
  Der, E., Suryawanshi, H., Morozov, P., Kustagi, M., Goilav, B., Ranabathou, S., Izmirly, P., Clancy, R., Belmont, H., Koenigsberg, M., Mokrzycki, M., Rominieki, H., Graham, et al
  2019; 20 (7): 915-+

- **Defining inflammatory cell states in rheumatoid arthritis joint synovial tissues by integrating single-cell transcriptomics and mass cytometry** *NATURE IMMUNOLOGY*
  Zhang, F., Wei, K., Slowikowski, K., Fonseka, C. Y., Rao, D. A., Kelly, S., Goodman, S. M., Tabechian, D., Hughes, L. B., Salomon-Escoto, K., Watts, G. F. M., Jonsson, A., Rangel-Moreno, et al
  2019; 20 (7): 928-+

- **Single-cell technologies - studying rheumatic diseases one cell at a time** *NATURE REVIEWS RHEUMATOLOGY*
  Cheung, P., Khatri, P., Utz, P. J., Kuo, A. J.
  2019; 15 (6): 340–54

- **Distinct phenotype of CD4(+) T cells driving celiac disease identified in multiple autoimmune conditions** *NATURE MEDICINE*
  Christophersen, A., Lund, E. G., Snir, O., Sola, E., Kanduri, C., Dahal-Koirala, S., Zuhlke, S., Molberg, O., Utz, P. J., Rohani-Pichavant, M., Simard, J. F., Dekker, C. L., Lundin, et al
  2019; 25 (5): 734-+

- **AIRE expression controls the peripheral selection of autoreactive B cells.** *Science immunology*
  Sng, J., Ayoglu, B., Chen, J. W., Schickel, J., Ferre, E. M., Glauzy, S., Romberg, N., Hoenig, M., Cunningham-Rundles, C., Utz, P. J., Lionakis, M. S., Meffre, E.
  2019; 4 (34)

- **Quantification of cDNA on GMR biosensor array towards point-of-care gene expression analysis** *BIOSENSORS & BIOELECTRONICS*
  Ravi, N., Rizzi, G., Chang, S. E., Cheung, P., Utz, P. J., Wang, S. X.
  2019; 130: 338–43

- **AIRE expression controls the peripheral selection of autoreactive B cells** *SCIENCE IMMUNOLOGY*
  Sng, J., Ayoglu, B., Chen, J. W., Schickel, J., Ferre, E. M. N., Glauzy, S., Romberg, N., Hoenig, M., Cunningham-Rundles, C., Utz, P. J., Lionakis, M. S., Meffre, E.
  2019; 4 (34)

- **Distinct phenotype of CD4+ T cells driving celiac disease identified in multiple autoimmune conditions.** *Nature medicine*
  Christophersen, A., Lund, E. G., Snir, O., Sola, E., Kanduri, C., Dahal-Koirala, S., Zuhlke, S., Molberg, O., Utz, P. J., Rohani-Pichavant, M., Simard, J. F., Dekker, C. L., Lundin, et al
  2019

- **Mycophenolate mofetil reduces STAT3 phosphorylation in systemic lupus erythematosus patients.** *JCI insight*
  Slight-Webb, S., Guthridge, J. M., Chakravarty, E. F., Chen, H., Lu, R., Macwana, S., Bean, K., Maecker, H. T., Utz, P. J., James, J. A.
  2019; 4 (2)

- **Mycophenolate mofetil reduces STAT3 phosphorylation in systemic lupus erythematosus patients** *JCI INSIGHT*
  Slight-Webb, S., Guthridge, J. M., Chakravarty, E. F., Chen, H., Lu, R., Macwana, S., Bean, K., Maecker, H. T., Utz, P. J., James, J. A.
  2019; 4 (2)
- **Single-cell technologies - studying rheumatic diseases one cell at a time.** *Nature reviews. Rheumatology*
  Cheung, P. n., Khatri, P. n., Utz, P. J., Kuo, A. J.
  2019
- **Saving the Endangered Physician-Scientist - A Plan for Accelerating Medical Breakthroughs.** *The New England journal of medicine*
  Jain, M. K., Cheung, V. G., Utz, P. J., Kobilka, B. K., Yamada, T. n., Lefkowitz, R. n.
  2019; 381 (5): 399–402
- **Single-cell epigenetics - Chromatin modification atlas unveiled by mass cytometry** *CLINICAL IMMUNOLOGY*
  Cheung, P., Vallania, F., Dvorak, M., Chang, S. E., Schaffert, S., Donato, M., Rao, A. M., Mao, R., Utz, P. J., Khatri, P., Kuo, A. J.
  2018; 196: 40–48
- **Quantification of cDNA on GMR biosensor array towards point-of-care gene expression analysis.** *Biosensors & bioelectronics*
  Ravi, N., Rizzi, G., Chang, S. E., Cheung, P., Utz, P. J., Wang, S. X.
  2018
- **Pro-Inflammatory and Regulatory Soluble Mediator Pathways Vary between African American and European American SLE Patients**
  Slight-Webb, S., Smith, M. C., Maecker, H. T., Utz, P. J., Guthridge, J. M., James, J. A.
  WILEY.2018
- **Multiplexed Autoantibody Profiles in a Systemic Sclerosis Clinical Trial Comparing Autologous Hematopoietic Stem Cell Transplantation and Cyclophosphamide**
  Utz, P. J., Ayoglu, B.
  WILEY.2018
- **African American and European American SLE Patients with Variable Disease Activity Reveal Distinct Differences in B Cells and TLR7/8 Pathways**
  Slight-Webb, S., Smith, M. C., Maecker, H. T., Utz, P. J., Guthridge, J. M., James, J. A.
  WILEY.2018
- **Diminished STAT-3 Phosphorylation and Associated Cell Pathways Characterize MMF-Treated Systemic Lupus Erythematosus Patients**
  Slight-Webb, S., Guthridge, J. M., Chakravarty, E., Chen, H., Lu, R., Bean, K. M., Maecker, H. T., Utz, P. J., James, J. A.
  WILEY.2018
- **Methods for high-dimensonal analysis of cells dissociated from cyropreserved 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
- **Single-cell epigenetics - Chromatin modification atlas unveiled by mass cytometry.** *Clinical immunology (Orlando, Fla.)*
  Cheung, P., Vallania, F., Dvorak, M., Chang, S. E., Schaffert, S., Donato, M., Rao, A., Mao, R., Utz, P. J., Khatri, P., Kuo, A. J.
  2018
- **KLRD1-expressing natural killer cells predict influenza susceptibility** *GENOME MEDICINE*
  Bongen, E., Vallania, F., Utz, P. J., Khatri, P.
  2018; 10: 45
- **Single-Cell Chromatin Modification Profiling Reveals Increased Epigenetic Variations with Aging** *CELL*
  Cheung, P., Vallania, F., Warsinske, H. C., Donato, M., Schaffert, S., Chang, S. E., Dvorak, M., Dekker, C. L., Davis, M. M., Utz, P. J., Khatri, P., Kuo, A. J.
  2018; 173 (6): 1385-+
- **Single-Cell Chromatin Modification Profiling Reveals Increased Epigenetic Variations with Aging.** *Cell*
  Cheung, P., Vallania, F., Warsinske, H. C., Donato, M., Schaffert, S., Chang, S. E., Dvorak, M., Dekker, C. L., Davis, M. M., Utz, P. J., Khatri, P., Kuo, A. J.
  2018

- **Neutralizing Anti-Cytokine Autoantibodies Against Interferon-alpha in Immunodysregulation Polyendocrinopathy Enteropathy X-Linked** *FRONTIERS IN IMMUNOLOGY*
  Rosenberg, J. M., Maccari, M. E., Barzaghi, F., Allenspach, E. J., Pignata, C., Weber, G., Torgerson, T. R., Utz, P. J., Bacchetta, R.
  2018; 9: 544

- **Hydroxychloroquine Use Is Associated with Decreased Dendritic Cell Activation and Thrombolytic Factors in SLE Patients**
  Slight-Webb, S., Lu, R., Chen, H., Maecker, H. T., Utz, P. J., Guthridge, J. M., James, J. A.
  WILEY.2017

- **Identification of Biomarkers Predictive of Pulmonary Arterial Hypertension in Systemic Sclerosis**
  Kolstad, K. D., Holmes, T., Rosenberg-Hasson, Y., Sweatt, A., Zamanian, R. T., Li, S., Steen, V. D., Utz, P. J., Chung, L.
  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

- **Whole Blood Stimulations Identify Elevated T Cell Cytokines and Altered Granulocyte/Dendritic Cell Signaling in SLE Patients with Variable Disease Activity**
  Slight-Webb, S., Bean, K. M., Maecker, H. T., Utz, P. J., James, J. A., Guthridge, J. M.
  WILEY.2017

- **Lupus Nephritis in Isolation or Accompanied By Extra-Renal Manifestations: Early Lessons from the Accelerating Medicines Partnership**
  James, J. A., Petri, M., Putterman, C., Diamond, B., Wofsy, D., Lee, C., Fine, D., Broder, A. R., Clancy, R. M., Izmirly, P. M., Belmont, M., Bornkamp, N., Davidson, et al
  WILEY.2017

- **Molecular Features Define Unique Sjogren's Syndrome Patient Subsets**
  James, J. A., Guthridge, J. M., Chen, H., Lu, R., Bourn, R. L., Baer, A. N., Noaiseh, G., Parke, A., Coca, A., Utset, T., Genovese, M. C., Aberle, T., Wallace, et al
  WILEY.2017

- **Severe Toxoplasma gondii infection in a member of a NFKB2-deficient family with T and B cell dysfunction** *CLINICAL IMMUNOLOGY*
  Maccari, M., Scarselli, A., Di Cesare, S., Floris, M., Angius, A., Deodati, A., Chiriaco, M., Cambiaso, P., Corrente, S., Colafati, G., Utz, P. J., Angelini, F., Fierabracci, et al
  2017; 183: 273–77

- **Smith-Magenis Syndrome Patients Often Display Antibody Deficiency but Not Other Immune Pathologies** *JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY-IN PRACTICE*
  Perkins, T., Rosenberg, J. M., Le Coz, C., Alaimo, J. T., Trofa, M., Mullegama, S. V., Antaya, R. J., Jyonouchi, S., Elsea, S. H., Utz, P. J., Meffre, E., Romberg, N.
  2017; 5 (5): 1344-+

- **Proteomic Analysis of Sera from Individuals with Diffuse Cutaneous Systemic Sclerosis Reveals a Multianalyte Signature Associated with Clinical Improvement during Imatinib Mesylate Treatment** *JOURNAL OF RHEUMATOLOGY*
  Haddon, D. J., Wand, H. E., Jarrell, J. A., Spiera, R. F., Utz, P. J., Gordon, J. K., Chung, L. S.
  2017; 44 (5): 631-638

- **Clonal Evolution of Autoreactive Germinal Centers.** *Cell*
  Degn, S. E., van der Poel, C. E., Firl, D. J., Ayoglu, B. n., Al Qureshah, F. A., Bajic, G. n., Mesin, L. n., Reynaud, C. A., Weill, J. C., Utz, P. J., Victora, G. D., Carroll, M. C.
  2017; 170 (5): 913–26.e19

- **SCHISTOSOMA HAEMATOBIUM IPSE INDUCES CELLULAR PROLIFERATION, CELL CYCLE ALTERATIONS, ANGIOGENESIS, AND TRANSCRIPTIONAL PROFILES CONSISTENT WITH PRO-CARCINOGENIC EFFECTS**
  Mbanefo, E., Saltykova, I. V., Pennington, L., Jardetzky, T., Ayoglu, B., Utz, P. J., Alouffi, A., Falcone, F. H., Brindley, P. J., Hsieh, M.
  AMER SOC TROP MED & HYGIENE.2017: 203

- **Integrated, multicohort analysis of systemic sclerosis identifies robust transcriptional signature of disease severity.** *JCI insight*

Lofgren, S., Hinchcliff, M., Carns, M., Wood, T., Aren, K., Arroyo, E., Cheung, P., Kuo, A., Valenzuela, A., Haemel, A., Wolters, P. J., Gordon, J., Spiera, et al
2016; 1 (21)

- **High-Resolution Analysis of Antibodies to Post-Translational Modifications Using Peptide Nanosensor Microarrays** *ACS NANO*
  Lee, J., Haddon, D. J., Gupta, N., Price, J. V., Credo, G. M., Diep, V. K., Kim, K., Hall, D. A., Baechler, E. C., Petri, M., Varma, M., Utz, P. J., Wang, et al
  2016; 10 (12): 10652-10660
- **Portable, one-step, and rapid GMR biosensor platform with smartphone interface.** *Biosensors & bioelectronics*
  Choi, J., Gani, A. W., Bechstein, D. J., Lee, J., Utz, P. J., Wang, S. X.
  2016; 85: 1-7
- **Broad-spectrum antibodies against self-antigens and cytokines in RAG deficiency.** *journal of clinical investigation*
  Walter, J. E., Rosen, L. B., Csomos, K., Rosenberg, J. M., Mathew, D., Keszei, M., Ujhazi, B., Chen, K., Lee, Y. N., Tirosh, I., Dobbs, K., Al-Herz, W., Cowan, et al
  2016; 126 (11): 4389-?
- **Autoantibody-Positive Healthy Individuals Display Unique Immune Profiles That May Regulate Autoimmunity.** *Arthritis & rheumatology*
  Slight-Webb, S., Lu, R., Ritterhouse, L. L., Munroe, M. E., Maecker, H. T., Fathman, C. G., Utz, P. J., Merrill, J. T., Guthridge, J. M., James, J. A.
  2016; 68 (10): 2492-2502
- **Whole Blood Phenotyping and Innate and Adaptive Stimulation Reveal Unique Differences in Granulocytes and Innate Pathways of African American SLE Patients with Variable Disease Activity**
  Slight-Webb, S., Bean, K. M., Kheir, J., Adebayo, B., Maecker, H. T., Utz, P. J., James, J. A., Guthridge, J. M.
  WILEY.2016
- **African American and European American SLE Patients with Variable Disease Activity Reveal Distinct Differences in CD4+T Cell and Monocyte Pathways**
  Slight-Webb, S., Lu, R., Bean, K. M., Maecker, H. T., Utz, P. J., Guthridge, J. M., James, J. A.
  WILEY.2016
- **Mycophenolate Mofetil Use Associates with Unique Biologic Changes in B Cell and T Regulatory Cell Pathways in SLE Patients**
  Slight-Webb, S., Lu, R., Bean, K. M., Maecker, H. T., Utz, P. J., Guthridge, J. M., James, J. A.
  WILEY.2016
- **Nucleic Acid-Targeting Pathways Promote Inflammation in Obesity-Related Insulin Resistance.** *Cell reports*
  Revelo, X. S., Ghazarian, M., Chng, M. H., Luck, H., Kim, J. H., Zeng, K., Shi, S. Y., Tsai, S., Lei, H., Kenkel, J., Liu, C. L., Tangsombatvisit, S., Tsui, et al
  2016; 16 (3): 717-730
- **Multiplex giant magnetoresistive biosensor microarrays identify interferon-associated autoantibodies in systemic lupus erythematosus** *SCIENTIFIC REPORTS*
  Lee, J., Haddon, D. J., Wand, H. E., Price, J. V., Diep, V. K., Hall, D. A., Petri, M., Baechler, E. C., Balboni, I. M., Utz, P. J., Wang, S. X.
  2016; 6
- **Development of Th17-Associated Interstitial Kidney Inflammation in Lupus-Prone Mice Lacking the Gene Encoding STAT-1** *ARTHRITIS & RHEUMATOLOGY*
  Yiu, G., Rasmussen, T. K., Ajami, B., Haddon, D. J., Chu, A. D., Tangsombatvisit, S., Haynes, W. A., Diep, V., Steinman, L., Faix, J., Utz, P. J.
  2016; 68 (5): 1233-1244
- **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)
- **Protein microarrays identify disease-specific anti-cytokine autoantibody profiles in the landscape of immunodeficiency** *JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY*
  Rosenberg, J. M., Price, J. V., Barcenas-Morales, G., Ceron-Gutierrez, L., Davies, S., Kumararatne, D. S., Doeffinger, R., Utz, P. J.
  2016; 137 (1): 204-?
- **Protein microarrays identify disease-specific anti-cytokine autoantibody profiles in the landscape of immunodeficiency.** *journal of allergy and clinical immunology*

Rosenberg, J. M., Price, J. V., Barcenas-Morales, G., Ceron-Gutierrez, L., Davies, S., Kumararatne, D. S., Döffinger, R., Utz, P. J.
2016; 137 (1): 204-213 e3

- **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-?

- **Protein Microarrays Identify Disease Specific Anti-Cytokine Autoantibody Profiles In The Landscape Of Immunodeficiency**
  Rosenberg, J., Price, J., Barcenas-Morales, G., Ceron-Gutierrez, L., Davies, S., Kumararatne, D., Doffinger, R., Utz, P.
  WILEY-BLACKWELL.2015: 3

- **Mapping epitopes of U1-70K autoantibodies at single-amino acid resolution** *AUTOIMMUNITY*
  Haddon, D. J., Jarrell, J. A., Diep, V. K., Wand, H. E., Price, J. V., Tangsombatvisit, S., Credo, G. M., Mackey, S., Dekker, C. L., Baechler, E. C., Liu, C. L., Varma, M., Utz, et al
  2015; 48 (8): 513-523

- **Single-cell systems-level analysis of human Toll-like receptor activation defines a chemokine signature in patients with systemic lupus erythematosus** *JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY*
  O'Gorman, W. E., Hsieh, E. W., Savig, E. S., Gherardini, P. F., Hernandez, J. D., Hansmann, L., Balboni, I. M., Utz, P. J., Bendall, S. C., Fantl, W. J., Lewis, D. B., Nolan, G. P., Davis, et al
  2015; 136 (5): 1326-1336

- **Broad-spectrum antibodies against self-antigens and cytokines in RAG deficiency** *JOURNAL OF CLINICAL INVESTIGATION*
  Walter, J. E., Rosen, L. B., Csomos, K., Rosenberg, J. M., Mathew, D., Keszei, M., Ujhazi, B., Chen, K., Lee, Y. N., Tirosh, I., Dobbs, K., Al-Herz, W., Cowan, et al
  2015; 125 (11): 4135-4148

- **Applications of Protein Microarray for Saliva Diagnostics in Autoimmune Diseases**
  Lee, Y., Kim, Y., Hong, S., Utz, P. J.
  WILEY-BLACKWELL.2015

- **Divergent Phenotypic Patterns Between Systemic Lupus Erythematosus and Healthy Anti-Nuclear Antibody Positive Individuals Reveal Distinct Differences in B Cell and Myeloid Populations Among Ethnicities**
  Slight-Webb, S., Lu, R., Maecker, H. T., Utz, P. J., Guthridge, J. M., James, J. A.
  WILEY-BLACKWELL.2015

- **Autoantigen microarrays reveal autoantibodies associated with proliferative nephritis and active disease in pediatric systemic lupus erythematosus** *ARTHRITIS RESEARCH & THERAPY*
  Haddon, D. J., Diep, V. K., Price, J. V., Limb, C., Utz, P. J., Balboni, I.
  2015; 17

- **Gene expression changes reflect clinical response in a placebo-controlled randomized trial of abatacept in patients with diffuse cutaneous systemic sclerosis** *ARTHRITIS RESEARCH & THERAPY*
  Chakravarty, E. F., Martyanov, V., Fiorentino, D., Wood, T. A., Haddon, D. J., Jarrell, J. A., Utz, P. J., Genovese, M. C., Whitfield, M. L., Chung, L.
  2015; 17

- **Comparison of systemic lupus erythematosus and healthy anti-nuclear antibody positive African-Americans reveals distinct differences in CD4+and CD8+T cell populations**
  Lu, R., Slight-Webb, S., Maecker, H., Utz, P., Guthridge, J., James, J.
  AMER ASSOC IMMUNOLOGISTS.2015

- **Regulation of ribosomal RNA synthesis in T cells: requirement for GTP and Ebp1.** *Blood*
  Nguyen, L. X., Lee, Y., Urbani, L., Utz, P. J., Hamburger, A. W., Sunwoo, J. B., Mitchell, B. S.
  2015; 125 (16): 2519-2529

- **Regulation of ribosomal RNA synthesis in T cells: requirement for GTP and Ebp1** *BLOOD*
  Le Xuan Truong Nguyen, L. X., Lee, Y., Urbani, L., Utz, P. J., Hamburger, A. W., Sunwoo, J. B., Mitchell, B. S.
  2015; 125 (16): 2519-2529

- **Protein microarrays: a new tool for the study of autoantibodies in immunodeficiency** *FRONTIERS IN IMMUNOLOGY*

Rosenberg, J. M., Utz, P. J.
2015; 6: 1-8

- **COMMON VARIABLE IMMUNODEFICIENCY AND EARLY-ONSET AUTOIMMUNE MANIFESTATIONS ASSOCIATED WITH COUPLED MUTATIONS IN NFKB2 AND STAT5A GENES**
  Maccari, M., Floris, M., Corrente, S., Angius, A., Sartirana, C., Di Cesare, S., Rosenberg, J. M., Utz, P. J., Bulfone, A., Angelini, F., Fierabracci, A., Cambiaso, P., Aiuti, et al
  SPRINGER/PLENUM PUBLISHERS.2015: 317

- **Tetramers reveal IL-17-secreting CD4+ T cells that are specific for U1-70 in lupus and mixed connective tissue disease.** *Proceedings of the National Academy of Sciences of the United States of America*
  Kattah, N. H., Newell, E. W., Jarrell, J. A., Chu, A. D., Xie, J., Kattah, M. G., Goldberger, O., Ye, J., Chakravarty, E. F., Davis, M. M., Utz, P. J.
  2015; 112 (10): 3044-3049

- **Autoantigen microarrays reveal autoantibodies associated with proliferative nephritis and active disease in pediatric systemic lupus erythematosus.** *Arthritis research & therapy*
  Haddon, D. J., Diep, V. K., Price, J. V., Limb, C., Utz, P. J., Balboni, I.
  2015; 17: 162-?

- **Protein microarrays: a new tool for the study of autoantibodies in immunodeficiency.** *Frontiers in immunology*
  Rosenberg, J. M., Utz, P. J.
  2015; 6: 138-?

- **Overexpression of microRNA-155 increases IL-21 mediated STAT3 signaling and IL-21 production in systemic lupus erythematosus.** *Arthritis research & therapy*
  Rasmussen, T. K., Andersen, T., Bak, R. O., Yiu, G., Sørensen, C. M., Stengaard-Pedersen, K., Mikkelsen, J. G., Utz, P. J., Holm, C. K., Deleuran, B.
  2015; 17: 154-?

- **Measurement of mast cell surface molecules by high-throughput immunophenotyping using transcription (HIT).** *Methods in molecular biology (Clifton, N.J.)*
  Haddon, D. J., Jarrell, J. A., Hughes, M. R., Snyder, K., McNagny, K. M., Kattah, M. G., Utz, P. J.
  2015; 1220: 381-400

- **Overexpression of microRNA-155 increases IL-21 mediated STAT3 signaling and IL-21 production in systemic lupus erythematosus.** *Arthritis research & therapy*
  Rasmussen, T. K., Andersen, T., Bak, R. O., Yiu, G., Sørensen, C. M., Stengaard-Pedersen, K., Mikkelsen, J. G., Utz, P. J., Holm, C. K., Deleuran, B.
  2015; 17: 154-?

- **Gene expression changes reflect clinical response in a placebo-controlled randomized trial of abatacept in patients with diffuse cutaneous systemic sclerosis.** *Arthritis research & therapy*
  Chakravarty, E. F., Martyanov, V., Fiorentino, D., Wood, T. A., Haddon, D. J., Jarrell, J. A., Utz, P. J., Genovese, M. C., Whitfield, M. L., Chung, L.
  2015; 17: 159-?

- **Vimentin Is a Dominant Target of In Situ Humoral Immunity in Human Lupus Tubulointerstitial Nephritis** *ARTHRITIS & RHEUMATOLOGY*
  Kinloch, A. J., Chang, A., Ko, K., dunand, C. J., Henderson, S., Maienschein-Cline, M., Kaverina, N., Rovin, B. H., Ferrer, M. S., Wolfgeher, D., Liarski, V., Haddon, D. J., Utz, et al
  2014; 66 (12): 3359-3370

- **Luminex and Autoantigen Microarray Analysis of Sera from Patients with Diffuse Cutaneous Systemic Sclerosis Reveals Changes Associated with Imatinib Mesylate Treatment.**
  Haddon, D., Wand, H., Utz, P. J., Spiera, R. F., Gordon, J. K., Chung, L.
  WILEY-BLACKWELL.2014: S388

- **Microrna-155 Suppresses IL-21 Signaling and Production in Systemic Lupus Erythematosus.**
  Rasmussen, T. K., Andersen, T., Bak, R., Yiu, G., Steengaard-Petersen, K., Mikkelsen, J. G., Utz, P. J., Holm, C., Deleuran, B.
  WILEY-BLACKWELL.2014: S1197

- **Comparison of Systemic Lupus Erythematosus and Healthy Anti-Nuclear Antibody Positive African-Americans Reveals Distinct Differences in T Cell and Progenitor Populations**
  Lu, R., Slight-Webb, S., Maecker, H. T., Utz, P. J., Guthridge, J. M., James, J. A.
  WILEY-BLACKWELL.2014: S1176

- **Ly108 expression distinguishes subsets of invariant NKT cells that help autoantibody production and secrete IL-21 from those that secrete IL-17 in lupus prone NZB/W mice.** *Journal of autoimmunity*
  Tang, X., Zhang, B., Jarrell, J. A., Price, J. V., Dai, H., Utz, P. J., Strober, S.
  2014; 50: 87-98

- **Broad-Scale Phosphoprotein Profiling of Beta Adrenergic Receptor (beta-AR) Signaling Reveals Novel Phosphorylation and Dephosphorylation Events** *PLOS ONE*
  Chruscinski, A. J., Singh, H., Chan, S. M., Utz, P. J.
  2013; 8 (12)

- **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

- **Autoantigen Microarray Analysis Of Sera From New-Onset Pediatric Systemic Lupus Erythematosus Patients: A Distinct Autoantibody Profile Associated With Class III/IV Lupus Nephritis**
  Balboni, I., Haddon, D., Diep, V., Limb, C., Utz, P.
  WILEY-BLACKWELL.2013: S1227

- **Characterisation Of Antigens Driving In Situ Autoantibody Production In Human Lupus Tubulointerstitial Nephritis (TIN)**
  Kinloch, A., Henderson, S., Kaverina, N., Chang, A., Haddon, D., Jarrel, J., Dunand, C., Wilson, P. C., Utz, P., Clark, M. R.
  WILEY-BLACKWELL.2013: S1196

- **Interferon-a induction and detection of anti-ro, anti-la, anti-sm, and anti-rnp autoantibodies by autoantigen microarray analysis in juvenile dermatomyositis.** *Arthritis and rheumatism*
  Balboni, I., Niewold, T. B., Morgan, G., Limb, C., Eloranta, M., Rönnblom, L., Utz, P. J., Pachman, L. M.
  2013; 65 (9): 2424-2429

- **Brief Report: Interferon- Induction and Detection of Anti-Ro, Anti-La, Anti-Sm, and Anti-RNP Autoantibodies by Autoantigen Microarray Analysis in Juvenile Dermatomyositis** *ARTHRITIS AND RHEUMATISM*
  Balboni, I., Niewold, T. B., Morgan, G., Limb, C., Eloranta, M., Ronnblom, L., Utz, P. J., Pachman, L. M.
  2013; 65 (9): 2424-2429

- **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-?

- **Silicon-based peptide microarrays for epitope mapping of serum autoantibodies from patients with systemic lupus erythematosus with single-amino acid resolution**
  Haddon, D., Jarrell, J., Liu, C., Price, J., Tangsombatvisit, S., Credo, G., Xu, G., Varma, M., Baechler, E., Utz, P.
  AMER ASSOC IMMUNOLOGISTS.2013

- **Influenza antigen microarrays reveal reactivity signatures associated with effective response to seasonal trivalent influenza vaccination**
  Price, J., Jarrell, J., Furman, D., Kattah, N., Newell, E., Dekker, C., Davis, M., Utz, P.
  AMER ASSOC IMMUNOLOGISTS.2013

- **Multiplexed cytokine detection on plasmonic gold substrates with enhanced near-infrared fluorescence** *NANO RESEARCH*
  Zhang, B., Price, J., Hong, G., Tabakman, S. M., Wang, H., Jarrell, J. A., Feng, J., Utz, P. J., Dai, H.
  2013; 6 (2): 113-120

- **Characterization of influenza vaccine immunogenicity using influenza antigen microarrays.** *PloS one*
  Price, J. V., Jarrell, J. A., Furman, D., Kattah, N. H., Newell, E., Dekker, C. L., Davis, M. M., Utz, P. J.
  2013; 8 (5)

- **An integrated peptide-antigen microarray on plasmonic gold films for sensitive human antibody profiling.** *PloS one*
  Zhang, B., Jarrell, J. A., Price, J. V., Tabakman, S. M., Li, Y., Gong, M., Hong, G., Feng, J., Utz, P. J., Dai, H.
  2013; 8 (7)

- **An integrated Peptide-antigen microarray on plasmonic gold films for sensitive human antibody profiling.** *PloS one*
  Zhang, B., Jarrell, J. A., Price, J. V., Tabakman, S. M., Li, Y., Gong, M., Hong, G., Feng, J., Utz, P. J., Dai, H.
  2013; 8 (7): e71043

- **Characterization of influenza vaccine immunogenicity using influenza antigen microarrays.** *PloS one*
  Price, J. V., Jarrell, J. A., Furman, D., Kattah, N. H., Newell, E., Dekker, C. L., Davis, M. M., Utz, P. J.
  2013; 8 (5)

- **Apoptosis and other immune biomarkers predict influenza vaccine responsiveness.** *Molecular systems biology*
  Furman, D., Jojic, V., Kidd, B., Shen-Orr, S., Price, J., Jarrell, J., Tse, T., Huang, H., Lund, P., Maecker, H. T., Utz, P. J., Dekker, C. L., Koller, et al
  2013; 9: 659-?

- **Apoptosis and other immune biomarkers predict influenza vaccine responsiveness.** *Molecular systems biology*
  Furman, D., Jojic, V., Kidd, B., Shen-Orr, S., Price, J., Jarrell, J., Tse, T., Huang, H., Lund, P., Maecker, H. T., Utz, P. J., Dekker, C. L., Koller, et al
  2013; 9: 659-?

- **Using the allergic immune system to target cancer: activity of IgE antibodies specific for human CD20 and MUC1** *CANCER IMMUNOLOGY IMMUNOTHERAPY*
  Teo, P. Z., Utz, P. J., Mollick, J. A.
  2012; 61 (12): 2295-2309

- **Redirecting cell-type specific cytokine responses with engineered interleukin-4 superkines** *NATURE CHEMICAL BIOLOGY*
  Junttila, I. S., Creusot, R. J., Moraga, I., Bates, D. L., Wong, M. T., Alonso, M. N., Suhoski, M. M., Lupardus, P., Meier-Schellersheim, M., Engleman, E. G., Utz, P. J., Fathman, C. G., Paul, et al
  2012; 8 (12): 990-998

- **On silico peptide microarrays for high-resolution mapping of antibody epitopes and diverse protein-protein interactions** *NATURE MEDICINE*
  Price, J. V., Tangsombatvisit, S., Xu, G., Yu, J., Levy, D., Baechler, E. C., Gozani, O., Varma, M., Utz, P. J., Liu, C. L.
  2012; 18 (9): 1434-?

- **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

- **Immune Inhibitory Molecules LAG-3 and PD-1 Synergistically Regulate T-cell Function to Promote Tumoral Immune Escape** *CANCER RESEARCH*
  Woo, S., Turnis, M. E., Goldberg, M. V., Bankoti, J., Selby, M., Nirschl, C. J., Bettini, M. L., Gravano, D. M., Vogel, P., Liu, C. L., Tangsombatvisit, S., Grosso, J. F., Netto, et al
  2012; 72 (4): 917-927

- **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., Fathnnan, C. G.
  2012; 142 (2): 127-138

- **Therapeutic Toll-like receptor agonists directly influence mouse and human T cell lymphoma cell viability and cytokine secretion** *LEUKEMIA & LYMPHOMA*
  Landrigan, A., Yiu, G., Agarwal, K., Utz, P. J.
  2012; 53 (1): 166-168

- **Specific post-translational histone modifications of neutrophil extracellular traps as immunogens and potential targets of lupus autoantibodies (vol 14, R25, 2012)** *ARTHRITIS RESEARCH & THERAPY*
  Liu, C. L., Tangsombatvisit, S., Rosenberg, J. M., Mandelbaum, G., Gillespie, E. C., Gozani, O. P., Alizadeh, A. A., Utz, P. J.
  2012; 14 (4)

- **Specific post-translational histone modifications of neutrophil extracellular traps as immunogens and potential targets of lupus autoantibodies** *ARTHRITIS RESEARCH & THERAPY*
  Liu, C. L., Tangsombatvisit, S., Rosenberg, J. M., Mandelbaum, G., Gillespie, E. C., Gozani, O. P., Alizadeh, A. A., Utz, P. J.
  2012; 14 (1)

- **Correction: Specific post-translational histone modifications of neutrophil extracellular traps as immunogens and potential targets of lupus autoantibodies.** *Arthritis research & therapy*
  Liu, C. L., Tangsombatvisit, S., Rosenberg, J. M., Mandelbaum, G., Gillespie, E. C., Gozani, O. P., Alizadeh, A. A., Utz, P. J.
  2012; 14 (4): 403-?

- **A proteomic approach for the identification of novel lysine methyltransferase substrates** *EPIGENETICS & CHROMATIN*
  Levy, D., Liu, C. L., Yang, Z., Newman, A. M., Alizadeh, A. A., Utz, P. J., Gozani, O.
  2011; 4

- **T(H)1, T(H)2, and T(H)17 cells instruct monocytes to differentiate into specialized dendritic cell subsets** *BLOOD*
  Alonso, M. N., Wong, M. T., Zhang, A. L., Winer, D., Suhoski, M. M., Tolentino, L. L., Gaitan, J., Davidson, M. G., Kung, T. H., Galel, D. M., Nadeau, K. C., Kim, J., Utz, et al
  2011; 118 (12): 3311-3320

- **CpG and Non-CpG Oligodeoxynucleotides Directly Costimulate Mouse and Human CD4(+) T Cells through a TLR9-and MyD88-Independent Mechanism** *JOURNAL OF IMMUNOLOGY*
  Landrigan, A., Wong, M. T., Utz, P. J.
  2011; 187 (6): 3033-3043

- **Plasmonic substrates for multiplexed protein microarrays with femtomolar sensitivity and broad dynamic range** *NATURE COMMUNICATIONS*
  Tabakman, S. M., Lau, L., Robinson, J. T., Price, J., Sherlock, S. P., Wang, H., Zhang, B., Chen, Z., Tangsombatvisit, S., Jarrell, J. A., Utz, P. J., Dai, H.
  2011; 2

- **SCREENING CyTOF-the next generation of cell detection** *NATURE REVIEWS RHEUMATOLOGY*
  Cheung, R. K., Utz, P. J.
  2011; 7 (9): 502-503

- **Reactivity profiles of broadly neutralizing anti-HIV-1 antibodies are distinct from those of pathogenic autoantibodies** *AIDS*
  Singh, H., Henry, K. A., Wu, S. S., Chruscinski, A., Utz, P. J., Scott, J. K.
  2011; 25 (10): 1247-1257

- **International consensus for a definition of disease flare in lupus** *LUPUS*
  Ruperto, N., HANRAHAN, L. M., Alarcon, G. S., Belmont, H. M., Brey, R. L., Brunetta, P., Buyon, J. P., Costner, M. I., Cronin, M. E., Dooley, M. A., Filocamo, G., Fiorentino, D., Fortin, et al
  2011; 20 (5): 453-462

- **Natural Killer Cells From Children With Type 1 Diabetes Have Defects in NKG2D-Dependent Function and Signaling** *DIABETES*
  Qin, H., Lee, I., Panagiotopoulos, C., Wang, X., Chu, A. D., Utz, P. J., Priatel, J. J., Tan, R.
  2011; 60 (3): 857-866

- **Lysine methylation of the NF-kappa B subunit RelA by SETD6 couples activity of the histone methyltransferase GLP at chromatin to tonic repression of NF-kappa B signaling** *NATURE IMMUNOLOGY*
  Levy, D., Kuo, A. J., Chang, Y., Schaefer, U., Kitson, C., Cheung, P., Espejo, A., Zee, B. M., Liu, C. L., Tangsombatvisit, S., Tennen, R. I., Kuo, A. Y., Tanjing, et al
  2011; 12 (1): 29-U47

- **Identification of a Putative Regulator of Early T Cell Activation Genes (Reprinted from AAAS, vol 241, pg 202-205, 1988)** *JOURNAL OF IMMUNOLOGY*
  Shaw, J., Utz, P. J., Durand, D. B., Toole, J., Emmel, E., Crabtree, G. R.
  2010; 185 (9): 4972–75

- **The Ubiquitin Modifying Enzyme A20 Restricts B Cell Survival and Prevents Autoimmunity** *IMMUNITY*
  Tavares, R. M., Turer, E. E., Liu, C. L., Advincula, R., Scapini, P., Rhee, L., Barrera, J., Lowel, C. A., Utz, P. J., Malynn, B. A., Ma, A.
  2010; 33 (2): 181-191

- **Regulation of human Th9 differentiation by type I interferons and IL-21** *IMMUNOLOGY AND CELL BIOLOGY*
  Wong, M. T., Ye, J. J., Alonso, M. N., Landrigan, A., Cheung, R. K., Engleman, E., Utz, P. J.
  2010; 88 (6): 624-631

- **Treatment with a Toll-like receptor inhibitory GpG oligonucleotide delays and attenuates lupus nephritis in NZB/W mice** *AUTOIMMUNITY*
  Graham, K. L., Lee, L. Y., Higgins, J. P., Steinman, L., Utz, P. J., Ho, P. P.
  2010; 43 (2): 140-155

- **IFN Regulatory Factor 5 Is Required for Disease Development in the Fc gamma RIIB(-/-)Yaa and Fc gamma RIIB-/- Mouse Models of Systemic Lupus Erythematosus** *JOURNAL OF IMMUNOLOGY*
  Richez, C., Yasuda, K., Bonegio, R. G., Watkins, A. A., Aprahamian, T., Busto, P., Richards, R. J., Liu, C. L., Cheung, R., Utz, P. J., Marshak-Rothstein, A., Rifkin, I. R.
  2010; 184 (2): 796-806

- **The U1-snRNP complex: structural properties relating to autoimmune pathogenesis in rheumatic diseases** *IMMUNOLOGICAL REVIEWS*
  Kattah, N. H., Kattah, M. G., Utz, P. J.
  2010; 233: 126-145

- **Microarray and CyTOF Characterization of Plasmacytoid Dendritic Cell Subsets**
  Cheung, R., Goltsev, Y., Bendall, S., Nolan, G., Utz, P. J.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2010: S66

- **Antigen Specific T Cells in Lupus Recognize U1-70 and Produce IL-17 by Tetramer Staining** *10th Annual Meeting of the Federation-of-Clinical-Immunology-Societies*
  Kattah, N., Newell, E., Chu, A., Kattah, M., Davis, M., Utz, P.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2010: S9–S9

- **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

- **Cholinergic Modulation of Angiogenesis: Role of the 7 Nicotinic Acetylcholine Receptor** *JOURNAL OF CELLULAR BIOCHEMISTRY*
  Wu, J. C., Chruscinski, A., Perez, V. A., Singh, H., Pitsiouni, M., Rabinovitch, M., Utz, P. J., Cooke, J. P.
  2009; 108 (2): 433-446

- **Naive CD4 T Cell Proliferation Is Controlled by Mammalian Target of Rapainaycin Regulation of GRAIL Expression** *JOURNAL OF IMMUNOLOGY*
  Lin, J. T., Lineberry, N. B., Kattah, M. G., Su, L. L., Utz, P. J., Fathman, C. G., Wu, L.
  2009; 182 (10): 5919-5928

- **Type I interferon receptor controls B-cell expression of nucleic acid-sensing Toll-like receptors and autoantibody production in a murine model of lupus** *ARTHRITIS RESEARCH & THERAPY*
  Thibault, D. L., Graham, K. L., Lee, L. Y., Balboni, I., Hertzog, P. J., Utz, P. J.
  2009; 11 (4)

- **Concordance of Serologic Data in Juvenile Dermatomyositis: Interferon-Alpha Induction and Activity, and Detectable Levels of Anti-Ro and Anti-La Autoantibodies**
  Balboni, I., Niewold, T., Morgan, G., Limb, C., Eloranta, M., Utz, P., Roennblom, L., Pachman, L.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2009: S134

- **Regulation of GRAIL Expression by mTOR Controls Naive CD4 T Cell Proliferation** *9th Annual Meeting of the Federation-of-Clinical-Immunology-Societies*
  Lin, J., Lineberry, N., Kattah, M., Su, L., Utz, P., Fathman, C. G.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2009: S35–S36

- **HIT: a versatile proteomics platform for multianalyte phenotyping of cytokines, intracellular proteins and surface molecules** *NATURE MEDICINE*
  Kattah, M. G., Coller, J., Cheung, R. K., Oshidary, N., Utz, P. J.
  2008; 14 (11): 1284-1289

- **Protein microarrays with carbon nanotubes as multicolor Raman labels** *NATURE BIOTECHNOLOGY*
  Chen, Z., Tabakman, S. M., Goodwin, A. P., Kattah, M. G., Daranciang, D., Wang, X., Zhang, G., Li, X., Liu, Z., Utz, P. J., Jiang, K., Fan, S., Dai, et al
  2008; 26 (11): 1285-1292

- **Expression-based Pathway Signature Analysis (EPSA): Mining publicly available microarray data for insight into human disease** *BMC MEDICAL GENOMICS*
  Tenenbaum, J. D., Walker, M. G., Utz, P. J., Butte, A. J.
  2008; 1

- **Modulation of Peripheral B Cell Tolerance by CD72 in a Murine Model** *ARTHRITIS AND RHEUMATISM*
  Li, D. H., Winslow, M. M., Cao, T. M., Chen, A. H., Davis, C. R., Mellins, E. D., Utz, P. J., Crabtree, G. R., Parnes, J. R.
  2008; 58 (10): 3192-3204

- **Evaluation of microarray surfaces and arraying parameters for autoantibody profiling** *PROTEOMICS*
  Balboni, I., Limb, C., Tenenbaum, J. D., Utz, P. J.
  2008; 8 (17): 3443-3449

- **Phase 2 follow-up results of the BHT-3009 DNA vaccine for multiple sclerosis**
  Havrdova, E., Krasulova, E., Nadj, C. G., Selmaj, K., Losy, J., Nadj, I., Radue, E., Gianettoni, J., Valone, F., Utz, P. J., Robinson, W. H., Steinman, L., Garren, et al
  SAGE PUBLICATIONS LTD.2008: S47

- **Evaluation of serum Autoantibodies from a cohort of pediatric systemic lupus erythematosus patients using autoantigen Microarray technology**
  Balboni, I., Limb, C., Sandborg, C. I., Utz, P. J.
  WILEY-LISS.2008: S502

- **Cerebrospinal fluid cell phenotypic analysis from a phase 2 trial of the BHT-3009 DNA vaccine for multiple sclerosis**
  Nadj, C., Nadj, I., Havrdova, E., Krasulova, E., Selmaj, K., Losy, J., Radue, E., Gianettoni, J., Solvason, N., Tersini, K., Valone, F., Utz, P. J., Robinson, et al
  SAGE PUBLICATIONS LTD.2008: S54

- **Longitudinal comparison of B lymphocyte function from pristane-treated wild-type and IFNAR2-/- mice** *72nd Annual Scientific Meeting of the American-College-of-Rheumatology/43rd Annual Scientific Meeting of the Association-of-Rheumatology-Health-Professionals*
  Chu, A. D., Thibault, D. L., Utz, P. J.
  WILEY-BLACKWELL.2008: S316–S317

- **Failure of oral atorvastatin to modulate a murine model of systemic lupus erythematosus** *ARTHRITIS AND RHEUMATISM*
  Graham, K. L., Lee, L. Y., Higgins, J. P., Steinman, L., Utz, P. J., Ho, P. P.
  2008; 58 (7): 2098-2104

- **Cytokines secreted in response to toll-like receptor ligand stimulation modulate differentiation of human Th17 cells** *ARTHRITIS AND RHEUMATISM*
  Kattah, M. G., Wong, M. T., Yocum, M. D., Utz, P. J.
  2008; 58 (6): 1619-1629

- **Scalable signaling mediated by T cell antigen receptor-CD3 ITAMs ensures effective negative selection and prevents autoimmunity** *NATURE IMMUNOLOGY*
  Holst, J., Wang, H., Eder, K. D., Workman, C. J., Boyd, K. L., Baquet, Z., Singh, H., Forbes, K., Chruscinski, A., Smeyne, R., van Oers, N. S., Utz, P. J., Vignali, et al
  2008; 9 (6): 658-666

- **Protein microarrays address the elephant in the room** *CLINICAL CHEMISTRY*
  Kattah, M. G., Utz, P. J., Balboni, I.
  2008; 54 (6): 937-939

- **Peptide-coated nanotube-based biosensor for the detection of disease-specific autoantibodies in human serum** *BIOSENSORS & BIOELECTRONICS*
  Drouvalakis, K. A., Bangsaruntip, S., Hueber, W., Kozar, L. G., Utz, P. J., Dai, H.
  2008; 23 (10): 1413-1421

- **Phase 2 trial of a DNA vaccine encoding myelin basic protein for multiple sclerosis** *ANNALS OF NEUROLOGY*
  Garren, H., Robinson, W. H., Krasulova, E., Havrdova, E., Nadj, C., Selmaj, K., Losy, J., Nadj, I., Radue, E., Kidd, B. A., Gianettoni, J., Tersini, K., Utz, et al
  2008; 63 (5): 611-620

- **IRF9 and STAT1 are required for IgG autoantibody production and B cell expression of TLR7 in mice** *JOURNAL OF CLINICAL INVESTIGATION*
  Thibault, D. L., Chu, A. D., Graham, K. L., Balboni, I., Lee, L. Y., Kohlmoos, C., Landrigan, A., Higgins, J. P., Tibshirani, R., Utz, P. J.
  2008; 118 (4): 1417-1426

- **Using the allergic immune system to target cancer: Cell activation by tumor specific IgE monoclonal antibodies** *8th Annual Meeting of the Federation-of-Clinical-Immunology-Societies*
  Teo, P., Utz, P., Mollick, J.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2008: S28–S28

- **Evaluation of microarray surfaces and arraying parameters for autoantibody profiling**
  Balboni, I., Limb, C., Tenenbaum, J., Utz, P.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2008: S87

- **HIT: A novel protein array platform identifies down-regulation of CD26 on regulatory T cell subsets**
  Kattah, M., Colter, J., Cheung, R., Oshidary, N., Utz, P.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2008: S111–S112

- **Peptide-MHC arrays to detect autoreactive T cell reactivities in systemic lupus erythematosus**
  Hanick, N., Davis, M., Utz, P.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2008: S86

- **Cytokines secreted in response to TLR-ligand stimulation modulate human Th17 differentiation**
  Kattah, M., Wong, M., Yocum, M., Utz, P.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2008: S18

- **Toll-like receptor ligands activate mouse T cell lymphoma lines and modulate activation of primary T cells**
  Landrigan, A., Agarwal, K., Utz, P.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2008: S145

- **Profiling epigenetic biomarkers for the study and treatment of lupus** *8th Annual Meeting of the Federation-of-Clinical-Immunology-Societies*
  Liu, C. L., Kattah, M., Kuo, A., Shi, X., Balboni, I., Utz, P., Ozani, O.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2008: S84–S84

- **Autoantigen arrays compare reactivity profiles of broadly-neutralizing HIV-1 monoclonal antibodies and Antiphospholipid syndrome (APS) antibodies** *8th Annual Meeting of the Federation-of-Clinical-Immunology-Societies*
  Singh, H., Sandhu, N., Gupta, R., Mai, M., Chruscinski, A., Utz, P., Scott, J.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2008: S129–S129

- **RAG2 PHD finger couples histone H3 lysine 4 trimethylation with V(D)J recombination** *NATURE*
  Matthews, A. G., Kuo, A. J., Ramon-Maiques, S., Han, S., Champagne, K. S., Ivanov, D., Gallardo, M., Carney, D., Cheung, P., Ciccone, D. N., Walter, K. L., Utz, P. J., Shi, et al
  2007; 450 (7172): 1106-U18

- **Free-solution oligonucleotide separation in nanoscale channels** *ANALYTICAL CHEMISTRY*
  Pennathur, S., Baldessari, F., Santiago, J. G., Kattah, M. G., Steinman, J. B., Utz, P. J.
  2007; 79 (21): 8316-8322

- **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

- **Notch signals positively regulate activity of the mTOR pathway in T-cell acute lymphoblastic leukemia** *BLOOD*
  Chan, S. M., Weng, A. P., Tibshirani, R., Aster, J. C., Utz, P. J.

2007; 110 (1): 278-286

- **Are Broadly Neutralizing Antibodies against HIV-1 Unusual?**
  Scott, J., Wang, X., Wu, S., Lepik, C., Singh, H., Richman, D. D., Utz, P. J., Breden, F.
  AMER ASSOC IMMUNOLOGISTS.2007
- **Signal transduction blockade with imatinib mesylate prevents and treats autoimmune arthritis**
  Paniagua, R., Sharpe, O., Ho, P., Chan, S., Chang, A., Tomooka, B., Lee, D., Genovese, M., Utz, P., Steinman, L., Robinson, W.
  AMER ASSOC IMMUNOLOGISTS.2007
- **Technology Insight: can autoantibody profiling improve clinical practice?** *NATURE CLINICAL PRACTICE RHEUMATOLOGY*
  Sharp, V., Utz, P. J.
  2007; 3 (2): 96-103
- **Proteome-wide analysis in Saccharomyces cerevisiae identifies several PHD fingers as novel direct and selective binding modules of histone H3 methylated at either lysine 4 or lysine 36** *JOURNAL OF BIOLOGICAL CHEMISTRY*
  Shi, X., Kachirskaia, I., Walter, K. L., Kuo, J. A., Lake, A., Davrazou, F., Chan, S. M., Martin, D. G., Fingerman, I. M., Briggs, S. D., Howe, L., Utz, P. J., Kutateladze, et al
  2007; 282 (4): 2450-2455
- **Reverse phase protein lysate microarrays in the analysis of activated B lymphocytes** *7th Annual Meeting of the Federation-of-Clinical-Immunology-Societies*
  Chu, A. D., Chruscinski, A. J., Singh, H., Utz, P. J.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2007: S84–S84
- **Optimization of autoantigen microarrays to study autoimmunity**
  Balboni, I., Limb, C., Utz, P., Tenenbaum, J.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2007: S88–S89
- **Derangements in cytokine-induced STAT protein phosphorylation in human systemic lupus erythematosus**
  Sharp, V., Utz, P. J., Nolan, G. P., Perez, O. D.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2007: S67
- **Antibody-oligo arrays for multiplex surface marker profiling of immune cells subsets**
  Kattah, M., Coller, J., Alemi, G., Oshidary, N., Utz, P. J.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2007: S185
- **Role of MHC-linked genes in autoantigen selection and renal disease in a murine model of systemic lupus erythematosus** *JOURNAL OF IMMUNOLOGY*
  Sekine, H., Graham, K. L., Zhao, S., Elliott, M. K., Ruiz, P., Utz, P. J., Gilkeson, G. S.
  2006; 177 (10): 7423-7434
- **Autoantigen arrays for multiplex analysis of antibody isotypes** *PROTEOMICS*
  Graham, K. L., Vaysberg, M., Kuo, A., Utz, P. J.
  2006; 6 (21): 5720-5724
- **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
- **A new two-color Fab labeling method for autoantigen protein microarrays** *NATURE METHODS*
  Kattah, M. G., Alemi, G. R., Thibault, D. L., Balboni, I., Utz, P. J.
  2006; 3 (9): 745-751
- **Genomic plasticity of caspase-8 through mRna splicing: A pathophysiological role in activation of normal T cells and Sle T cells.**
  Kamachi, M., Izumi, Y., Aramaki, T., Tanimura, S., Anami, M., Yosizaki, A., Hayashi, T., Kohno, M., Utz, P. J., Eguchi, K.
  WILEY-LISS.2006: S754
- **Selective tyrosine kinase inhibition by imatinib mesylate for the treatment of autoimmune arthritis.** *70th Annual Scientific Meeting of the American-College-of-Rheumatology/41st Annual Scientific Meeting of the Association-of-Rheumatology-Health-Professionals*

Robinson, W. H., Paniagua, R. T., Ho, P. P., Chan, S. M., Sharpe, O., Utz, P. J., Genovese, M. C.
WILEY-BLACKWELL.2006: S356–S357

- **Single-cell analysis of siRNA-mediated gene silencing using multiparameter flow cytometry.** *Cytometry. Part A : the journal of the International Society for Analytical Cytology*
  Chan, S. M., Olson, J. A., Utz, P. J.
  2006; 69 (2): 59-65

- **Single-cell analysis of siRNA-mediated gene silencing using multiparameter flow cytometry** *CYTOMETRY PART A*
  Chan, S. M., Olson, J. A., Utz, P. J.
  2006; 69A (2): 59-65

- **Multiplexed protein array platformsfor analysis of autoimmune disease.** *Annu. Rev. Immunol.*
  Balboni I., Chan SM, Kattah M, Genenbaum JD, Butte AJ, Utz PJ.
  2006; 24: 391-418

- **A novel two-color Fab labeling method for autoantigen protein microarrays.**
  Kattah, M., Alemi, G., Thibault, D., Utz, P.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2006: S150

- **Using the allergic immune system to target breast cancer: production of anti-MUC1 IgE monoclonal antibodies.** *29th Annual San Antonio Breast Cancer Symposium*
  Mollick, J. A., Teo, P., Utz, P. J.
  SPRINGER.2006: S78–S78

- **ELECTROPHORESIS IN NANOCHANNELS** *2nd US-European Fluids Engineering Division Summer Meeting/14th International Conference on Nuclear Engineering*
  Pennathur, S., Baldessari, F., Kattah, M., Utz, P. J., Santiago, J. G.
  AMER SOC MECHANICAL ENGINEERS.2006: 589–593

- **Autoantibody profiling of lupus mice deficient for interferon signaling components.** *6th Annual Meeting of the Federation-of-Clinical-Immunology-Societies*
  Thibault, D., Graham, K., Balboni, I., Lee, L., Kohlmoos, C., Tibshirani, R., Utz, P.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2006: S72–S73

- **Role of MHC- linked genes in autoantigen selection and renal disease in a murine model of SLE.** *Journal of Immunology*
  Sekine H., K.L. Graham, S. Zhao, M.K. Elliott, P. Ruiz, L. Morel, V.M. Holers, P.J. Utz, G.S. Gilkeson
  2006; in press

- **Detection of apoptosis-specific autoantibodies directed against granzyme B-induced cleavage fragments of the SS-B (La) autoantigen in sera from patients with primary Sjogren's syndrome** *CLINICAL AND EXPERIMENTAL IMMUNOLOGY*
  Huang, M., Ida, H., KAMACHI, M., Iwanaga, N., Izumi, Y., Tanaka, F., Aratake, K., Arima, K., Tamai, M., Hida, A., Nakamura, H., Origuchi, T., Kawakami, et al
  2005; 142 (1): 148-154

- **Sources of autoantigens in systemic lupus erythematosus** *CURRENT OPINION IN RHEUMATOLOGY*
  Graham, K. L., Utz, P. J.
  2005; 17 (5): 513-517

- **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

- **An array of possibilities for the study of autoimmunity** *NATURE*
  Fathman, C. G., Soares, L., Chan, S. M., Utz, P. J.
  2005; 435 (7042): 605-611

- **Granzyme B is dispensable for immunologic tolerance to self in a murine model of systemic lupus erythematosus** *ARTHRITIS AND RHEUMATISM*
  Graham, K. L., Thibault, D. L., Steinman, J. B., Okeke, L., Kao, P. N., Utz, P. J.

2005; 52 (6): 1684-1693

- **Protein arrays for studying blood cells and their secreted products** *IMMUNOLOGICAL REVIEWS*
  Utz, P. J.
  2005; 204: 264-282
- **Fostering interdisciplinary immunology - Foreword** *CLINICAL IMMUNOLOGY*
  Huston, D. P., Utz, P. J., Fathman, C. G.
  2005; 115 (1): 1–2
- **The challenge of analyzing the proteome in humans with autoimmune diseases** *Conference on Human Immunology*
  Chan, S. M., Utz, P. J.
  NEW YORK ACAD SCIENCES.2005: 61–68
- **Granzyme B and natural killer (NK) death** *Modern Rheumatology*
  I. Ida, P.J. Utz, P. Anderson, K. Eguchi
  2005; 15: 315-322.
- **Interferon inducible proteins are novel autoantigens in systemic lupus erythematosus.**
  Thibault, D. L., Hueber, W., Sylvester, T., Zeng, D., Strober, S., Utz, P. J.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2005: S122
- **A novel proteomics assay employing amplification of oligonucleotide tags from monoclonal antibodies.**
  Kattah, M. G., Coller, J., Utz, P. J.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2005: S265
- **Modulation of murine lupus by an inhibitory GpG oligonucleotide** *5th Annual Meeting of the Federation-of-Clinical-Immunology-Societies*
  Graham, K. L., Lee, L. Y., Teo, P., Steinman, L., Utz, P. J., Ho, P. P.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2005: S109–S110
- **Suppression of Lck sensitizes acute lymphoblastic T cells to the antiproliferative action of interferon alpha.** *5th Annual Meeting of the Federation-of-Clinical-Immunology-Societies*
  Chan, S. M., Utz, P. J.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2005: S183–S183
- **Granzyme B and natural killer (NK) cell death.** *Modern rheumatology*
  Ida, H., Utz, P. J., Anderson, P., Eguchi, K.
  2005; 15 (5): 315-322
- **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
- **Granzyme B and natural killer (NK) death** *Modern Rheumatology*
  I. Ida, P.J. Utz, P. Anderson, K. Eguchi
  2005; 15: 315-322.
- **Protein microarrays for multiplex analysis of signal transduction pathways** *NATURE MEDICINE*
  Chan, S. M., Ermann, J., Su, L., Fathman, C. G., Utz, P. J.
  2004; 10 (12): 1390-1396
- **Murine CD4(+) CD25(+) regulatory T cells fail to undergo chromatin remodeling across the proximal promoter region of the IL-2 gene** *JOURNAL OF IMMUNOLOGY*
  Su, L., Creusot, R. J., Gallo, E. M., Chan, S. M., Utz, P. J., Fathman, C. G., Ermann, J.
  2004; 173 (8): 4994-5001
- **Interferon-alpha-inducible proteins are novel autoantigens in murine lupus** *ARTHRITIS AND RHEUMATISM*
  Hueber, W., Zeng, D. F., Strober, S., Utz, P. J.
  2004; 50 (10): 3239-3249

- **Autoantigen microarrays identify a critical role for MHC-Linked genes in autoantigen selection in a murine model of SLE.**
  Sekine, H., Graham, K. L., Zhao, Sato, Y., Utz, P. J., Gilkeson, G. S.
  WILEY-LISS.2004: S587–S588

- **Editorial to accompany first case discussion** *CLINICAL IMMUNOLOGY*
  Sullivan, K. E., Utz, P. J.
  2004; 112 (3): 201

- **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

- **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

- **Proteolytic cleavage of the catalytic subunit of DNA-dependent protein kinase during poliovirus infection** *JOURNAL OF VIROLOGY*
  Graham, K. L., Gustin, K. E., RIVERA, C., Kuyumcu-Martinez, N. M., Choe, S. S., Lloyd, R. E., Sarnow, P., Utz, P. J.
  2004; 78 (12): 6313-6321

- **"hot technologies" for clinical immunology research** *CLINICAL IMMUNOLOGY*
  Utz, P. J.
  2004; 111 (2): 153-154

- **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

- **Antibodies in scleroderma: direct pathogenicity and phenotypic associations.** *Current rheumatology reports*
  Chung, L., Utz, P. J.
  2004; 6 (2): 156-163

- **Multiplexed assays for identification of biomarkers and surrogate markers in systemic lupus erythematosus** *LUPUS*
  Utz, P.
  2004; 13 (5): 304-311

- **Protein arrays for autoantibody profiling and fine-specificity mapping** *PROTEOMICS*
  Robinson, W. H., Steinman, L., Utz, P. J.
  2003; 3 (11): 2077-2084

- **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

- **Synovial proteome microarrays identify deiminated proteins as targets of the autoantibody response in Rheumatoid Arthritis** *67th Annual Scientific Meeting of the American-College-of-Rheumatology/38th Annual Scientific Meeting of the Association-of-Rheumatology-Health-Professionals*
  Hueber, W., Lee, B. J., Genovese, M. C., Bruce, B., van Venrooij, W. J., Smolen, J. S., Steinman, L., Utz, P. J., Robinson, W. H.
  WILEY-BLACKWELL.2003: S429–S429

- **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

- **Noncovalent functionalization of carbon nanotubes for highly specific electronic biosensors** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Chen, R. J., Bangsaruntip, S., Drouvalakis, K. A., Kam, N. W., Shim, M., Li, Y. M., Kim, W., Utz, P. J., DAI, H. J.

2003; 100 (9): 4984-4989

- **On-chip coupling of isoelectric focusing and free solution electrophoresis for multidimensional separations** *ANALYTICAL CHEMISTRY*
  Herr, A. E., Molho, J. I., Drouvalakis, K. A., Mikkelsen, J. C., Utz, P. J., Santiago, J. G., Kenny, T. W.
  2003; 75 (5): 1180-1187

- **Interpreting interest in interferon-alpha** *ARTHRITIS RESEARCH & THERAPY*
  Thibault, D. L., Utz, P. J.
  2003; 5 (5): 246-248

- **Multiplex autoantibody profiling using 'synovial proteome' microarrays identifies citrulline-modified peptides as major targets of the autoimmune response in rheumatoid arthritis** *3rd World Congress of the Global-Arthritis-Research-Network (GARN)*
  Hueber, W., Lee, B. J., Genovese, M., van Venrooij, W., Steinman, L., Utz, P. J., Robinson, W. H.
  BIOMED CENTRAL LTD.2003: S31–S31

- **Protein and peptide array analysis of autoimmune disease** *BIOTECHNIQUES*
  Robinson, W. H., Steinman, L., Utz, P. J.
  2002: 66-69

- **Human autoimmune sera as molecular probes for the identification of an autoantigen kinase signaling pathway** *JOURNAL OF EXPERIMENTAL MEDICINE*
  KAMACHI, M., Le, T. M., Kim, S. J., Geiger, M. E., Anderson, P., Utz, P. J.
  2002; 196 (9): 1213-1225

- **'Synovial proteome' microarray characterization of the autoantibody response in rheumatoid arthritis.**
  Hueber, W., Genovese, M. C., van Venrooij, W. J., Smolen, J., Steinman, L., Utz, P. J., Robinson, W. H.
  WILEY-LISS.2002: S199

- **'Myelin proteome' array analysis of the autoantibody response in an animal model of multiple sclerosis.**
  Robinson, W. H., Garren, H., Tom, J., Utz, P. J., Steinman, L.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2002: S132–S133

- **Antigen microarray characterization of the autoantibody response in rheumatoid arthritis.**
  Heuber, W., van Venrooij, W., Steiner, G., Steinman, L., Utz, P. J., Robinson, W. H.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2002: S120

- **The role of interferon-gamma in an inducible model of systemic lupus erythematosus.**
  Graham, K., Kuo, A., Robinson, W. H., Utz, P. J.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2002: S128

- **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

- **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

- **Protein microarray characterization of autoantibody responses in rheumatoid arthritis and systemic lupus erythematosus**
  Robinson, W., Huber, W., van Venrooij, W. I., Muller, S., Panayi, G. S., Verweij, C., Smolen, J. S., Steinman, L., Utz, P. J.
  BIOMED CENTRAL LTD.2002

- **Protein array characterization of the specificity of the autoantibody response in experimental autoimmune encephalomyelitis: Examination of the role of epitope spreading in disease progression**
  Robinson, W. H., DiGennaro, C., Garren, H., Hirschberg, D., Haab, B., Brown, P., Utz, P. J., Steinman, L.
  FEDERATION AMER SOC EXP BIOL.2001: A1064
- **Monoclonal antibodies derived from BALB/c mice immunized with apoptotic Jurkat T cells recognize known autoantigens** *JOURNAL OF AUTOIMMUNITY*
  Gensler, T. J., Hottelet, M., Zhang, C. H., Schlossman, S., Anderson, P., Utz, P. J.
  2001; 16 (1): 59-69
- **21st European Workshop for Rheumatology Research, Vienna, Austria, 1-4 March 2001.** *Arthritis research*
  Utz, P. J.
  2001; 3 (4): 237-240
- **Protein microarray characterization of the autoantibody response in systemic lupus erythematosus and related diseases**
  Robinson, W., DiGennaro, C., Hueber, W., Fong, D., Haab, B., Hirshberg, D., Muller, S., Pruijn, G. J., van Venrooij, W. J., Smolen, J. S., Brown, P. O., Steinman, L., Utz, et al
  BIOMED CENTRAL LTD.2001
- **Life and death decisions: regulation of apoptosis by proteolysis of signaling molecules** *CELL DEATH AND DIFFERENTIATION*
  Utz, P. J., Anderson, P.
  2000; 7 (7): 589-602
- **Small nucleolar RNP scleroderma autoantigens associate with phosphorylated serine/arginine splicing factors during apoptosis** *ARTHRITIS AND RHEUMATISM*
  Overzet, K., Gensler, T. J., Kim, S. J., Geiger, M. E., van Venrooij, W. J., Pollard, K. M., Anderson, P., Utz, P. J.
  2000; 43 (6): 1327-1336
- **The fate of U1 snRNP during anti-Fas induced apoptosis: specific cleavage of the U1 snRNA molecule** *CELL DEATH AND DIFFERENTIATION*
  Degen, W. G., van Aarssen, Y., Pruijn, G. J., Utz, P. J., van Venrooij, W. J.
  2000; 7 (1): 70-79
- **The La (SS-B) autoantigen, a key protein in RNA biogenesis, is dephosphorylated and cleaved early during apoptosis** *CELL DEATH AND DIFFERENTIATION*
  Rutjes, S. A., Utz, P. J., van der Heijden, A., Broekhuis, C., van Venrooij, W. J., Pruijn, G. J.
  1999; 6 (10): 976-986
- **Rapid nucleolytic degradation of the small cytoplasmic Y RNAs during apoptosis** *JOURNAL OF BIOLOGICAL CHEMISTRY*
  Rutjes, S. K., van der Heijden, A., Utz, P. J., van Venrooij, W. J., Pruijn, G. J.
  1999; 274 (35): 24799-24807
- **Posttranslational protein modifications, apoptosis, and the bypass of tolerance to autoantigens** *ARTHRITIS AND RHEUMATISM*
  Utz, P. J., Anderson, P.
  1998; 41 (7): 1152-1160
- **SUP-HD1 - A NEW HODGKINS DISEASE-DERIVED CELL-LINE WITH LYMPHOID FEATURES PRODUCES INTERFERON-GAMMA** *BLOOD*
  Naumovski, L., Utz, P. J., Bergstrom, S. K., Morgan, R., Molina, A., Toole, J. J., Glader, B. E., McFall, P., Weiss, L. M., Warnke, R., Smith, S. D.
  1989; 74 (8): 2733-2742

PRESENTATIONS

- 2017 Korean Rheumatology Society, Seoul, SK “Immune Profiling of Autoimmunity”
- 2017 HHMI Career Development for Physician Scientists
- 2017: Infectious Disease Society of America Annual 2017 Meeting; ID Week, San Diego, CA “B Cell Biology: What the ID Physician Needs to Know”
- 2017 FDA OCE Workshop: Assessment of Cardiovascular Toxicities in Immuno-Oncology Trials, Silver Spring, MD “Autoimmunity Associated with Immunotherapies”
- 20018 Panelist, Duel-Degree Admissions Panel, American Physician Scientists Association Annual Meeting, Chicago, IL.

- 2018 Lupus 21st Century 2018 Conference, Armonk, NY “EpiTOF – A New Method for Characterizing the Epigenome in SLE”.
- 2018 University of Pittsburgh Seminar Series, Department of Immunology, Pittsburgh, PA “New Methods for Characterizing Human Autoimmune Disease”.
- 2018 University of Pittsburgh Rheumatology Grand Rounds, Pittsburgh, PA “Physician Scientists in Rheumatology: Positioning Cavemen for Success in Studying Human Autoimmunity”.
- 20018 GREAT Group Annual Meeting, Atlanta, GA “Update on the Landscape of Physician-Scientist Training Programs
- 2018 APSA Physician Scientist Meeting, Sacramento, CA “Tips for the Future Physician Investigator”
- 2019 Northern California Scleroderma Research Consortium, Brisbane, CA “New Technologies for Studying SSc”.
- 2019 Lupus 2019, New Technologies, 13th International Congress on SLE, San Francisco, CA “Multiplexed Assays for Studying SLE”.
- 2019 Future Ready Scholars Program, UC Berkeley, CA. “Life as Physician Scientist” and “Careers in STEM and Health Care”
- 2019 Helix Summer Program, UC Berkeley, CA. “Life as Physician Scientist” and “Careers in STEM and Health Care”
- 2020, Hampton University Physician-Scientist Research Seminar, “Life as a Physician Scientist” - Hampton University
- 2020, Physician Scientist Support Foundation, “Overview of Life as a Physician Scientist Career” - National Academy of Medicine 2020 Meeting, Washington DC