

Stanford



PJ Utz

Professor of Medicine (Immunology and Rheumatology)

Medicine - Immunology & Rheumatology

 Curriculum Vitae available Online

CONTACT INFORMATION

- **Alternate Contact**

Sharon Dickow - Administrative Assistant

Email sdickow@stanford.edu

Tel 650-888-0887

Bio

BIO

Dr. Utz directs a highly-successful lab of 10-12 scientists at Stanford University School of Medicine. The lab focuses on the normal immune system and how it differs from the immune system of patients with immunodeficiency disorders, infections, and autoimmune diseases. Autoimmune diseases being studied include 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), and mixed connective tissue disease (MCTD). In addition to trying to better understand the pathogenic mechanisms involved in autoimmune and inflammatory diseases, the lab is interested in developing bench-to-bedside technologies, including diagnostics and therapeutics, for human immune diseases. Finally, the Utz is also active in vaccine biology, both for inducing protective immunity to pathogens and for turning off immune responses in autoimmune diseases.

PJ is the Director of Stanford's Autoimmunity Center of Excellence (ACE) and has extensive expertise in coordinating 8 different program project grants over the last 12 years, including Francis Collins' \$41M Accelerating Medicines Partnership in RA/SLE initiative. He founded and directs the Stanford Institutes of Medicine Research (SIMR) Program for high school students, which has hosted ~800 students in labs over 18 years. PJ is the Director of the Stanford MSTP and recently accepted a role as Stanford Associate Dean for Medical Student Research. He will be responsible for oversight of all medical student research and scholarship, with a focus on MD-only trainees and the creation of an MD Masters program in Biomedical Research.

ACADEMIC APPOINTMENTS

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

ADMINISTRATIVE APPOINTMENTS

- Member, Internship Selection Committee, Stanford University Hospital, (1999-2005)
- Member, Faculty Senate, Stanford Hospital, (2000-2002)
- Member, Immunology Graduate program Predoctoral Committee, Stanford University School of Medicine, (2000-2003)
- Founder and Program Director, Stanford Institutes of Medicine Research (SIMR) Program, Stanford University School of Medicine, (2000- present)

-
- Member, Dean's Committee on Diversity, Stanford University School of Medicine, (2002- present)
 - Member, MSTP (Medical Science Training Program), Stanford University School of Medicine, (2002- present)
 - Appointed Councillor, Clinical Immunology Society, (2003-2006)
 - Chair of Education, FOCIS, Federal of Clinical Immunology Societies, (2003-2007)
 - Member, Cardiovascular Institute Steering Committee, Stanford University School of Medicine, (2007-2010)
 - Treasurer and Secretary, FOCIS, Federal of Clinical Immunology Societies, (2007-2010)
 - Associate Director of Education, ITI Institute, Stanford University, (2007- present)
 - Program Director, Stanford EXPLORE Program, Stanford University School of Medicine, (2007- present)
 - Board of Directors, Northern California Arthritis Foundation, (2008-2009)
 - Associate Director, Medical Science Training Program, Stanford University School of Medicine, (2009-2013)
 - Member, Committee on Professionalism, Performance, and Promotion, Stanford University School of Medicine, (2009- 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)
 - Professor of Medicine, Stanford University School of Medicine, (2012- present)
 - Program Director, Medical Science Training Program (MSTP), Stanford University School of Medicine, (2013-2018)
 - Co-Chair, Task Force for Advancing the Culture of Laboratory Safety, Stanford University, (2013- present)
 - Program Director, Accelerating Medicines Partnership (AMP) Leadership Center for RA/SLE, Stanford University School of Medicine, (2014- present)
 - Member, Committee on Health and Safety, Stanford University, (2015-2018)
 - Member, Biomedical Innovation/Basic Science Workgroup, Stanford University, (2016- present)
 - Member, Stanford University Student Support Advisory Board, Stanford University, (2017- present)
 - Associate Dean for Medical Student Research, Stanford University, (2018- present)
 - Emeritus Director, Medical Science Training Program (MSTP), Stanford University, (2018- present)

HONORS AND AWARDS

- 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)
- CRC Chemistry Award, King's College (1983)
- Sidney Farber Research Award, Roswell Park Memorial Institute (1985)
- Aquinas Society, Aquinas Society (1985-1986)
- Center for Independent Learning Achievement Award, King's College (1986)
- Regina Award for Biology, King's College (1986)
- Stanford Medical Scholars Fellowship, Stanford University (1987)
- Alpha Epsilon Delta, Vice President, Stanford University (1988)
- Delta Epsilon Delta, Stanford University (1988)
- Merck Student Research Fellowship, American Heart Association (1988-1989)
- Advanced Predoctoral Fellowship in Pharmacology and Toxicology, Pharmaceutical Mfg. Association (1988-1989)
- Stanford Clinical Medicine Award, Stanford University (1991)
- Proteomics Award Nominee, FOCIS (2000)
- Immunology Graduate Program Teaching and Mentoring Award, Stanford University (2002)

- Faculty Fellows Program, Stanford University School of Medicine (2009)
- Baxter Fellowship, Donald and Delia Baxter (2000)
- Department of Medicine Teaching Award, Stanford University School of Medicine (2008)
- Divisional Teaching Award, Stanford University (2002)
- Elected Member, The Kunkel Society (2006)
- Elected Member, American Society for Clinical Investigation (2007)
- Exceptional Preceptor Certificate of Appreciation, Stanford University School of Medicine, Ambulatory Medicine Clerkship (2006-2007)
- Stanford University Office of Diversity and Leadership, School of Medicine Faculty Fellow (2008-2009)
- Department of Medicine Teaching Award, Stanford University School of Medicine (2009)
- Distinguished Visiting Professor, Department of Medicine, Mayo Clinic (2009)
- Immunology and Rheumatology Division Teaching Award, Stanford University School of Medicine (2012)
- Rheumatology Visiting Professor, University of Colorado at Denver (2016)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

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

PROFESSIONAL EDUCATION

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

COMMUNITY AND INTERNATIONAL WORK

- Stanford EXPLORE Summer Program, Stanford University
- SIMR Summer Student Intern Program, Stanford University

LINKS

- Utz Lab at Stanford: <http://www.stanford.edu/group/utzlab>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Utz directs a highly-successful lab of 10-12 scientists at Stanford University School of Medicine. The lab focuses on the normal immune system and how it differs from the immune system of patients with immunodeficiency disorders, infections, and autoimmune diseases. Autoimmune diseases being studied include 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), and mixed connective tissue disease (MCTD). In addition to trying to better understand the pathogenic mechanisms involved in autoimmune and inflammatory diseases, the lab is interested in developing bench-to bedside technologies,

including diagnostics and therapeutics, for human immune diseases. Finally, the Utz is also active in vaccine biology, both for inducing protective immunity to pathogens and for turning off immune responses in autoimmune diseases.

PJ is the Director of Stanford's Autoimmunity Center of Excellence (ACE) and has extensive expertise in coordinating 8 different program project grants over the last 12 years, including Francis Collins' \$41M Accelerating Medicines Partnership in RA/SLE initiative. He founded and directs the Stanford Institutes of Medicine Research (SIMR) Program for high school students, which has hosted ~800 students in labs over 18 years. PJ is the Director of the Stanford MSTP and recently accepted a role as Stanford Associate Dean for Medical Student Research. He will be responsible for oversight of all medical student research and scholarship, with a focus on MD-only trainees and the creation of an MD Masters program in Biomedical Research.

Teaching

COURSES

2016-17

- Physician Scientist Hour: INDE 217 (Aut, Win, Spr)

2015-16

- Physician Scientist Hour: INDE 217 (Aut, Win, Spr)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Elaine Ng

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biomedical Informatics (Masters Program)
- Biomedical Informatics (Phd Program)
- Cardiovascular Medicine (Fellowship Program)
- Immunology (Phd Program)
- Medicine (Masters Program)

Publications

PUBLICATIONS

- **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. 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)
- **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
- **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-dimensional analysis of cells dissociated from cryopreserved synovial tissue** *ARTHRITIS RESEARCH & THERAPY*
Donlin, L. T., Rao, D. A., Wei, K., Slowikowski, K., McGeachy, M. J., Turner, J. D., Meednu, N., Mizoguchi, F., Gutierrez-Arcelus, M., Lieb, D. J., Keegan, J., Muskat, K., Hillman, et al
2018; 20: 139
- **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
- **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., Al Qureshah, F. A., Bajic, G., Mesin, L., Reynaud, C. A., Weill, J. C., Utz, P. J., Vitorica, G. D., Carroll, M. C.
2017; 170 (5): 913–26.e19
- **SCHISTOSOMA HAEMATOBIIUM 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., 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** *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**
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., Jarrell, J., Dunand, C., Wilson, P. C., Utz, P., Clark, M. R.
WILEY-BLACKWELL.2013: S1196
 - **Interferon- α 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., Rönblom, 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., Jovic, 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., Fathman, 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
- **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 Rapamycin 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., Collier, 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
- **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., Kachirskaja, 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
- **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 platforms for analysis of autoimmune disease.** *Annu. Rev. Immunol.*
Balboni I., Chan SM, Kattah M, Genenbaum JD, Butte AJ, Utz PJ.
2006; 24: 391-418
- **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 NANOCANNELS** *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
- **Proteomic analysis of secreted proteins defines subtypes of rheumatoid arthritis**
Hueber, W., Tomooka, B. H., van Verooij, W. J., Utz, P. J., Genovese, M. C., Robinson, W. H.
ACADEMIC PRESS INC ELSEVIER SCIENCE.2005: S111
- **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

- 2016 Rheumatology Visiting Professor and Grand Rounds Speaker, University of Colorado, Denver - Rheumatology Department, University of Colorado at Denver (5/16/2016)
- Lupus 2016, Armonk, NY (9/16/2016)
- American College of Rheumatology 2016 Annual Meeting, Washington DC - ACR (11/15/2016)

- 2016 Hampton University Research Seminar Speaker, Hampton, VA - Hampton University (11/18/2016)