

Foundation- Funded Investigators

PRESENTING AT ACR CONVERGENCE 2025

Investigators funded by the Rheumatology Research Foundation will have a significant presence at ACR Convergence 2025. We are excited to share the various posters and scientific sessions that feature Foundation-funded research at this year's annual meeting to add to your agenda.

Check the ACR Convergence 2025 mobile app for the latest session details and on demand access.

POSTER SESSIONS

Sunday, October 26, 2025 | 10:30AM – 12:30PM

GENETICS, GENOMICS & PROTEOMICS POSTER

0038: DNA Methylation Signatures of Smoking in Labial Salivary Gland Tissue in a Sjögren's Disease Cohort

Presenter: Priya Bhatt, BA

Foundation Award Received: Student and Resident Research Award

VASCULITIS – ANCA-ASSOCIATED POSTER I

0712: Effects of Bacterial Secretome on Nasal Epithelial Cell Gene Expression in ANCA-Associated Vasculitis

Author: Eleni Bouziani, MD

Foundation Award Received: Student and Resident Research Award

PEDIATRIC RHEUMATOLOGY – CLINICAL POSTER I

0422: Clinical Outcomes of Ultrasound Guidance for Corticosteroid Injections of the Ankle and Midfoot Joints and Tendon Sheaths in Children with Juvenile Idiopathic Arthritis

Presenter: Rina Ferguson, MD, MBA

Foundation Award Received: Pediatric Rheumatology Fellow Research Award

SYSTEMIC LUPUS ERYTHEMATOSUS – DIAGNOSIS, MANIFESTATIONS, & OUTCOMES POSTER I

0599: Efficacy of Statin Medications for Secondary Prevention of Atherosclerotic Cardiovascular Disease Among Patients with Systemic Lupus Erythematosus

Presenter: Aakash Patel, MD

Foundation Award Received: Marshall J. Schiff, MD Memorial Fellow Research Award

Sunday, October 26, 2025 | 10:30AM – 12:30PM

RHEUMATOID ARTHRITIS – ETIOLOGY AND PATHOGENESIS POSTER

0088: Imbalance of Inflammation-Regulating Microorganisms and Predicted Metabolomic Pathways Associates With Disease Evolution in Individuals At-Risk for Rheumatoid Arthritis

Presenter: Lyndsey Cole, MD

Foundation Award Received: Scientist Development Award

PATIENT OUTCOMES, PREFERENCES, & ATTITUDES POSTER I

0375: Association of Glucocorticoid Toxicity Index Scores with Quality-of-Life and Healthcare Resource Utilization at 6 Months in a Real-World Cohort of Individuals Receiving Glucocorticoids

Presenter: Naomi Patel, MD

Foundation Award Received: Scientist Development Award

PATIENT OUTCOMES, PREFERENCES, & ATTITUDES POSTER I

0367: Differences in Self-Reported Medication Nonadherence and its Drivers in Young Adults versus Older Adults with Systemic Lupus Erythematosus

Presenter: Hannah Concannon, BS

Foundation Award Received: Student and Resident Research Award

ANTIPHOSPHOLIPID SYNDROME POSTER

0119: Thrombin Generation Assays Inform Hypercoagulability Mediated by Antiphospholipid Antibodies in Children with Systemic Lupus Erythematosus

Presenter: Elizabeth Sloan, MD

Foundation Award Received: Scientist Development Award

HEALTH SERVICES RESEARCH POSTER I

0186: Validation of Asynchronous Telehealth Visit for Adults and Children with Inflammatory Arthritis and Feasibility of Applying Thermal Imaging during Visits

Presenter: Jenna Thomason, MD, MPH

Foundation Award Received: Innovative Research Award for Community Practitioners

GENETICS, GENOMICS & PROTEOMICS POSTER

0022: Genome-wide association study identifies novel genetic risk factors for rheumatoid arthritis-associated interstitial lung disease

Presenter: Austin Wheeler, MD

Foundation Award Received: Scientist Development Award

GENETICS, GENOMICS & PROTEOMICS POSTER

0039: Hemophagocytic Lymphohistiocytosis Gene Variants in Severe COVID-19 Cytokine Storm Syndrome

Presenter: Randy Cron, MD, PhD

Foundation Award Received: Innovative Research Award

PEDIATRIC RHEUMATOLOGY – CLINICAL POSTER I

0387: Association Between Juvenile Arthritis and Physical Activity Levels in U.S. Children: A Cross-Sectional Study Using the 2016–2021 National Survey of Children's Health

Presenter: Carolina Tamashiro, MD

Foundation Award Received: Pediatric Rheumatology Fellow Research Award

Sunday, October 26, 2025 | 10:30AM – 12:30PM

EPIDEMIOLOGY & PUBLIC HEALTH POSTER I

0158: Association Between Newer COVID-19 Vaccines and COVID-19 Related Hospitalizations Among People with Autoimmune Rheumatic Diseases in the U.S. National COVID Cohort Collaborative (N3C)

Presenter: Lesley Jackson, MD

Foundation Award Received: Investigator Award

EPIDEMIOLOGY & PUBLIC HEALTH POSTER I

0157: Influence of Outpatient Clinic Visits on Receipt of the COVID-19 Vaccine among People with Autoimmune Rheumatic Diseases

Presenter: Lesley Jackson, MD

Foundation Award Received: Investigator Award

GENETICS, GENOMICS & PROTEOMICS POSTER

0034: Meta-Analysis of GWAS data from 10,003 Sjögren's Disease Cases Identifies Thirteen Sjögren's Risk Loci.

Presenter: Marcin Radziszewski, MSc

Foundation Award Received: Student and Resident Research Award

Monday, October 27, 2025 | 10:30AM – 12:30PM

SYSTEMIC SCLEROSIS & RELATED DISORDERS – CLINICAL POSTER II

1556: Latent Profiles of Parenchymal Abnormalities and Vascular Features Measured by Quantitative CT Identifies a Subgroup of Systemic Sclerosis Patients With a Greater Lung Function Decline Over Time

Presenter: Alicia Hinze, MD

Foundation Award Received: Investigator Award

RHEUMATOID ARTHRITIS – DIAGNOSIS, MANIFESTATIONS, AND OUTCOMES POSTER II

1325: Plasma Matrix Metalloproteinases and Heart Failure Outcomes in Rheumatoid Arthritis

Presenter: Tate Johnson, MD

Foundation Award Received: Scientist Development Award

SYSTEMIC LUPUS ERYTHEMATOSUS – ANIMAL MODELS POSTER

0948: Presentation of Apoptotic Cell-Derived Autoantigens in Systemic Autoimmune Disease

Presenter: Lance Peterson, MD, PhD

Foundation Award Received: Scientist Development Award

RHEUMATOID ARTHRITIS – DIAGNOSIS, MANIFESTATIONS, AND OUTCOMES POSTER I

1084: Access to rheumatology care in patients with new diagnosis of polymyalgia rheumatica: analysis from a national inception cohort

Presenter: Sebastian Sattui, MD

Foundation Award Received: Investigator Award

Monday, October 27, 2025 | 10:30AM – 12:30PM

METABOLIC & CRYSTAL ARTHROPATHIES – BASIC & CLINICAL SCIENCE POSTER I

1125: Validation of an Allopurinol Dose Prediction Tool to Achieve Goal Serum Urate Among Patients with Gout

Presenter: Brian Coburn, MD, PhD

Foundation Award Received: Marshall J. Schiff, MD Memorial Fellow Research Award

EPIDEMIOLOGY & PUBLIC HEALTH POSTER II

1034: Healthy Dietary Patterns and Risk of Rheumatoid Arthritis: A Systematic Review and Meta-Analysis

Presenter: Vanessa Kronzer, MD

Foundation Award Received: Scientist Development Award

T CELL BIOLOGY & TARGETS IN AUTOIMMUNE & INFLAMMATORY DISEASE POSTER

0993: NOD2 mutations mediate IL-17 predisposition in patients with Blau syndrome

Presenter: Leah Huey, BS

Foundation Award Received: Student and Resident Research Award

HEALTHCARE DISPARITIES IN RHEUMATOLOGY POSTERS

1060: Demographic Risk Factors, Social Vulnerability Index, and Mortality in Patients with Systemic Lupus Erythematosus.

Presenter: Christine Kim, MD

Foundation Award Received: Student and Resident Research Award

SYSTEMIC LUPUS ERYTHEMATOSUS - DIAGNOSIS, MANIFESTATIONS, & OUTCOMES POSTER II

1513: Race, Renal Failure, and Risk: A five-to-ten year retrospective cohort study of Racial differences in outcomes of patients with dialysis-dependent Lupus nephritis

Presenter: Ufuoma Mamoh, MBChB

Foundation Award Received: Student and Resident Research Award

Tuesday, October 28, 2025 | 10:30AM – 12:30PM

VASCULITIS – NON-ANCA-ASSOCIATED & RELATED DISORDERS POSTER III

2539: Patient-reported outcomes in patients with polymyalgia rheumatica under rheumatology care: baseline data from the ENRICH-PMR cohort

Presenter: Sebastian Sattui, MD

Foundation Award Received: Investigator Award

SYSTEMIC SCLEROSIS & RELATED DISORDERS – CLINICAL POSTER III

2478: Endothelial Cell Biomarker Expression Suggests Increased Cell Adhesion in Juvenile SSc, Increased Cytokine Expression in JDM, and an Intermediate Phenotype in Overlap Syndrome Patients

Presenter: Daniel Barnett, DO, PhD

Foundation Award Received: Pediatric Rheumatology Fellow Research Award

CYTOKINES & CELL TRAFFICKING POSTER

1779: Citrullinated and Malondialdehyde-Acetaldehyde Modified Fibrinogen Activates Macrophages and Induces Inflammatory Responses in Coronary Endothelium

Presenter: Hannah Johnson, BS

Foundation Award Received: Student and Resident Research Award

Tuesday, October 28, 2025 | 10:30AM – 12:30PM

PEDIATRIC RHEUMATOLOGY – CLINICAL POSTER III

2128: Prevalence of Risks and Complications in a Longitudinal International Cohort of Children with Chronic Nonbacterial Osteomyelitis (CNO)

Presenter: Jessica Kent, MBA

Foundation Award Received: Student and Resident Research Award

CYTOKINES & CELL TRAFFICKING POSTER

1779: Citrullinated and Malondialdehyde-Acetaldehyde Modified Fibrinogen Activates Macrophages and Induces Inflammatory Responses in Coronary Endotheliums

Presenter: Wenxian Zhou, BS

Foundation Award Received: Student and Resident Research Award

OSTEOARTHRITIS & JOINT BIOLOGY - BASIC SCIENCE POSTER

1788: Manganese-associated Single-nucleotide Polymorphisms are Associated with Radiographic Knee Osteoarthritis: The Johnston County Osteoarthritis Project

Presenter: Griffin Sonaty, MD, MPH

Foundation Award Received: Marshall J. Schiff, MD Memorial Fellow Research Award

SYSTEMIC SCLEROSIS & RELATED DISORDERS – CLINICAL POSTER III

2499: Concomitant Anti-Ro/SSA Antibodies in Systemic Sclerosis Patients is Associated with Risks Beyond Dryness

Presenter: Rachel Gordon, MD, PhD

Foundation Award Received: Scientist Development Award

MISCELLANEOUS RHEUMATIC & INFLAMMATORY DISEASES POSTER III

2033: Complement Fragments are Deposited in the Submandibular Glands in IgG4-Related Disease

Presenter: Guy Katz, MD

Foundation Award Received: Scientist Development Award

Sunday, October 26, 2025

ABSTRACTS: PATIENT OUTCOMES, PREFERENCES, & ATTITUDES

0789: Short Form 36 (SF-36) Health Survey Questionnaire in Health-Related Quality of Life Assessment in Patients with Inflammatory Myopathies

Presenter: Almutada Razok, MD

Foundation Award Received: Student and Resident Research Award

Time: 1:00PM - 1:15PM

ABSTRACTS: PATIENT OUTCOMES, PREFERENCES, & ATTITUDES

0792: Real-World Assessment of Glucocorticoid-Induced Skin Toxicity in Individuals with Rheumatic Diseases

Presenter: Naomi Patel, MD

Foundation Award Received: Scientist Development Award

Time: 1:45PM - 2:00PM

ABSTRACTS: SYSTEMIC SCLEROSIS & RELATED DISORDERS – BASIC SCIENCE

0811: SSc Skin Cell Atlas: a Scalable Web Portal for scRNA-Seq Analysis

Presenter: Helen Jarnagin, BA

Foundation Award Received: Student and Resident Research Award

Time: 2:00PM - 2:15PM

ABSTRACTS: PROFESSIONAL EDUCATION

0825: Rheum2Learn: A Randomized Trial of Virtual vs Text-Based Rheumatology Modules

Presenter: Sonam Kiwalkar, MBBS

Foundation Award Received: Clinician Scholar Educator Award

Time: 3:00PM - 3:15PM

ABSTRACTS: SYSTEMIC SCLEROSIS & RELATED DISORDERS – CLINICAL I

0845: Machine Learning–Based Skin Transcriptome Classifier (v2.0) Links SSc Molecular Subtypes to Disease Severity and Progression

Presenter: Zhiyun Gong, MS

Foundation Award Received: Student and Resident Research Award

Time: 3:30PM - 3:45PM

ABSTRACTS: SYSTEMIC SCLEROSIS & RELATED DISORDERS – CLINICAL I

0846: A Longitudinal Transcriptomic Study of Mycophenolate Mofetil in Systemic Sclerosis Skin with Clinical and Molecular Stratification

Presenter: Rezvan Parvizi, PharmD, MS

Foundation Award Received: Student and Resident Research Award

Time: 3:45PM - 4:00PM

ABSTRACTS: PROFESSIONAL EDUCATION

0829: Multi-Center Use of an Online Case-Based Simulation to Evaluate Medical Trainee Use of Diagnostic Imaging and Lab Tests to Correctly Diagnose MSK Complaints

Presenter: James McCarthy, MD

Foundation Award Received: Student and Resident Research Award

Time: 4:15PM - 4:30PM

Monday, October 27, 2025

ABSTRACTS: MUSCLE BIOLOGY, MYOSITIS & MYOPATHIES – BASIC & CLINICAL SCIENCE II: BASIC & TRANSLATIONAL RESEARCH

0863: Myeloid Dendritic Cell Subsets Characterize Muscle of Inclusion Body Myositis Patients and Correlate with KLRG1+ and TBX21+ CD8+ T cells

Presenter: Raphael Kirou, BS

Foundation Award Received: Student and Resident Research Award

Time: 10:30AM - 10:45AM

ABSTRACTS: ANTIPHOSPHOLIPID SYNDROME

0857: CD14-dependent MAP kinase signaling is required for pathogenic neutrophil extracellular trap formation in APS

Presenter: Thalia Newman, BS

Foundation Award Received: Student and Resident Research Award

Time: 10:30AM - 10:45AM

ABSTRACTS: RHEUMATOID ARTHRITIS - ANIMAL MODELS

0870: Same Model, Different Results: Vendor and Microbiome Influence Reproducibility in Collagen Induced Arthritis

Presenter: Brenda Seymour, PhD

Foundation Award Received: Student and Resident Research Award

Time: 10:45AM - 11:00AM

ABSTRACTS: SYSTEMIC SCLEROSIS & RELATED DISORDERS – CLINICAL II

883: Predictive Significance of Serum Proteins for the Course of Systemic Sclerosis-Related Interstitial Lung Disease in the Multicenter CONQUER Cohort

Presenter: Ali Ayla, MD

Foundation Award Received: Student and Resident Research Award

Time: 11:00AM - 11:15AM

ABSTRACTS: T CELL BIOLOGY & TARGETS IN AUTOIMMUNE & INFLAMMATORY DISEASE

0890: Granzyme K+ CD8 T cells colocalize with myeloid cells and activate them through several pathways

Presenter: Anna Helena Jonsson, MD, PhD

Foundation Award Received: Investigator Award

Time: 11:15AM - 11:30AM

ABSTRACTS: GENETICS, GENOMICS & PROTEOMICS

1699: Protein-coding Somatic Genetic Variation in Lymphocytes in Systemic Lupus Erythematosus

Presenter: Siva Kasinathan, MD, PhD

Foundation Award Received: Scientist Development Award

Time: 3:15PM - 3:30PM

ABSTRACTS: HEALTHCARE DISPARITIES IN RHEUMATOLOGY

1707: Racial and Ethnic Disparities in Kidney Transplant Outcomes Among Patients With Systemic Lupus Erythematosus (SLE): A 20-Year Analysis Spanning Before and After the 2014 Kidney Allocation System Revision

Presenter: Soziema Salia, MBChB, MPH

Foundation Award Received: Student and Resident Research Award

Time: 3:45PM - 4:00PM

Tuesday, October 28, 2025

PLENARY III

1722: Defining Safe Hydroxychloroquine Blood Levels: Time to Switch to Precision Monitoring for Optimized Lupus Care

Presenter: Shivani Garg, MD, PhD

Foundation Award Received: Innovative Research Award

Time: 8:00AM - 8:15AM

PLENARY III

1723: Impaired Maintenance of X-Chromosome Inactivation in B Cells, But Not T Cells, Exacerbates Interferon-Driven Systemic Autoimmunity

Presenter: Nikhil Jiwrajka, MD

Foundation Award Received: Scientist Development Award

Time: 8:15AM - 8:30AM

ABSTRACTS: PEDIATRIC RHEUMATOLOGY – CLINICAL II

1741: Chronic JDM Plasma Proteomic Signature Reflects Inflammation from Immune and Tissue-resident Muscle and Skin

Presenter: Marianne Kerski, MD

Foundation Award Received: Pediatric Rheumatology Fellow Research Award

Time: 10:15AM - 10:30AM

ABSTRACTS: RHEUMATOID ARTHRITIS – DIAGNOSIS, MANIFESTATIONS, AND OUTCOMES I: BREATHE (ILD/PULMONARY)

1751: Disease activity, inflammation, and older age are associated with quantitative interstitial abnormalities in early RA: Results from a multicenter, prospective cohort study

Presenter: Gregory McDermott

Foundation Award Received: Scientist Development Award

Time: 11:15AM - 11:30AM

ABSTRACTS: PEDIATRIC RHEUMATOLOGY – CLINICAL II

1745: High Emotional Distress Predicts Suboptimal Cardiovascular Health Among Patients with Juvenile-Onset Lupus and Dermatomyositis: Longitudinal Analysis of the Lupus Erythematosus and Dermatomyositis Stress and Cardiovascular Health Cohort Study

Presenter: Kaveh Ardalan, MD, MS

Foundation Award Received: Investigator Award

Time: 11:15AM - 11:30AM

ABSTRACTS: EPIDEMIOLOGY & PUBLIC HEALTH II

2567: Temporal Trends in Cardiometabolic Multimorbidity Risk in Rheumatoid Arthritis: A National, Matched Cohort Study

Presenter: Tate Johnson, MD

Foundation Award Received: Scientist Development Award

Time: 1:00PM - 1:15PM

Tuesday, October 28, 2025

ABSTRACTS: EPIDEMIOLOGY & PUBLIC HEALTH II

2569: Performance of the PREVENT Heart Failure General Population Risk Score in Patients with Rheumatoid Arthritis

Presenter: Ilana Usiskin, MD

Foundation Award Received: Marshall J. Schiff, MD Memorial Fellow Research Award

Time: 1:30PM - 1:45PM

ABSTRACTS: MEASURES & MEASUREMENT OF HEALTHCARE QUALITY

2615: The Cost of Complexity: Financial Toxicity in Rheumatic Disease, Cancer, and Their Intersection

Presenter: Manush Sondhi, MD

Foundation Award Received: Marshall J. Schiff, MD Memorial Fellow Research Award

Time: 3:00PM - 3:00PM

Wednesday, October 29, 2025

ABSTRACTS: RHEUMATOID ARTHRITIS – DIAGNOSIS, MANIFESTATIONS, AND OUTCOMES III: LONG LIVE (COMORBIDITY AND OUTCOMES)

2681: Derivation and Validation of Inflammation-Adjusted Lipid Measures to Improve Cardiovascular Risk Prediction in Rheumatoid Arthritis

Presenter: Tate Johnson, MD

Foundation Award Received: Scientist Development Award

Time: 11:30AM - 11:45AM

ABSTRACTS: RHEUMATOID ARTHRITIS – DIAGNOSIS, MANIFESTATIONS, AND OUTCOMES III: LONG LIVE (COMORBIDITY AND OUTCOMES)

2685: Assessing for Racial/Ethnic Variability in U.S.-FRAX™ Performance Among Older Adult Women with Rheumatoid Arthritis in the United States

Presenter: Rachel Elam, MD

Foundation Award Received: Scientist Development Award

Time: 12:30PM - 12:45PM

ABSTRACTS: EPIDEMIOLOGY & PUBLIC HEALTH I

2662: Target trial emulation of biologic and targeted synthetic disease-modifying antirheumatic drugs in rheumatoid arthritis-associated interstitial lung disease

Presenter: Gregory McDermott

Foundation Award Received: Scientist Development Award

Time: 12:45PM - 1:00PM