Name/Rank	Affiliation	Research Interests
Bruce Aronow, PhD Professor	Biomedical Informatics	T cell development. Development of tools to mine genomic data including JIA gene expression data. Director Core CTSA – Molec Mech of Disease Modeling
Hermine I. Brunner, MD Assoc. Professor	Rheumatology	Focused on pediatric SLE including efficacy measures; biomarkers for pediatric SLE, pharmacology of medications in pediatric SLE and lupus pathology.
Claire Chougnet, PhD Assoc. Professor	Molecular Immunology	Interactions between antigen presenting cells and T cells
Jay L. Degen, PhD Professor	Developmental Biology	Mechanisms linking hemostatic factors to inflammatory disease including arthritis.
Prasad Devarajan, MD Professor	Nephrology & Hypertension	Lupus nephritis molecular pathways and biomarkers. Providing expertise in proteomics to Dr. Brunner's pediatric lupus studies.
Alexandria Filipovich, MD Professor	Hem/Onc-Diagnostic Immunology Lab	Genetic cause of primary Immunodeficienciess. Collaborator for macrophage activation syndrome work with Dr Alexei Grom.
Fred D. Finkelman, MD Professor	Immunobiology and UC Rheumatology	Cytokine biology, including regulation of cytokine responses and cytokine roles in allergic and autoimmune diseases. Dr Finkelman will continue as a P30 committee member.
Matthew J. Flick, PhD Asst. Professor	Exp Hem. & Cancer Biology	Functional relationship between the coagulation system and inflammation; roles of prothrombin and fibrinogen in arthritis.
Edward H. Giannini, DrPH Professor	Rheumatology	Clinical research methodology, biostatistics, and epidemiology.
David N. Glass, MD Professor	Rheumatology	Autoimmunity, especially of chronic rheumatic diseases of childhood, with application of high- throughput genomic and functional genomic methodologies
Thomas A. Griffin, MD, PhD Assoc. Professor	Rheumatology	Pathogenesis of idiopathic inflammatory myopathies; molecular biomarkers in juvenile idiopathic arthritis; role of immunoproteasomes in T cells
Alexei Grom, MD Assoc. Professor	Rheumatology	Pathogenesis and treatment of systemic-onset juvenile idiopathic arthritis and macrophage activation syndrome.
John Harley, MD, PhD Professor	Rheumatology	International leader in lupus and other autoimmune disease research and developing new Center for Autoimmune disease genomics at CCHMC (CAGE).
DeBroski Herbert, PhD Asst. Professor	Immunobiology	Cytokine-mediated macrophage activation in host-protective mechanisms that limit inflammation
Timothy E., Hewett, PhD Professor	Sports Medicine Biodynamics	Neuromuscular, biomechanical and molecular adaptation of musculoskeletal and nervous systems to growth and development. P30 resources important for new project "Genetic Predisposition of ACL Tears".
David A. Hildeman, PhD Assoc. Professor	Immunobiology	Molecular biology of antigen-specific T cells, including mechanisms of cell signaling, apoptosis, and sex-based differences in autoimmunity
Kasper Hoebe, PhD Asst. Professor	Molecular Immunology	ENU mutagenesis to identify genes required for innate-adaptive immunity connections with important implications in autoimmune disease.
Bin Huang, PhD Asst. Professor	Biostatistics & Epidemiology	Statistical causal inference and mediation analyses, and statistical methodology in comparative effectiveness research. Biostatiscian for the CTSA
Edith Janssen, PhD Asst. Professor	Molecular Immunology	Molecular & cellular mechanisms in dendritic cells that balance pro- and anti-inflammatory immune responses to self after cell death
Michael B. Jordan, MD Asst. Professor	Immunobiology	Pathogenesis of hemophagocytic syndromes, including macrophage activation syndrome. Collaborates with Dr. Grom.
Christopher Karp, MD Professor	Molecular Immunology	Molecular mechanisms underlying regulation and dysregulation of inflammatory responses in autoimmune diseases
Susmita Kashikar-Zuck, PhD Assoc, Professor	Behavioral Med. & Clinical Psychology	Psychological aspects of pediatric pain and behavioral pain management in children and adolescents. Developing a Fibromyaloia Registry and Genomic collection
Jonathan D. Katz, PhD Assoc, Professor	Endocrinology	Immunologic aspects of autoimmune diabetes using the non-obese diabetic mouse model and dendritic cell function in autoimmunity
Daniel J. Lovell, MD, MPH Professor	Rheumatology	Clinical research, with a focus on multi-center, interventional trials in JIA; development of core sets of outcome measures for JRA, JDM and childhood onset SLE

Michael Luggen, MD Professor	UC Rheumatolgy	determine the prevalence and characterize the natural history of cognitive dysfunction in SLE. Collection of lupus genomics cohort
Keith Marsolo, PhD Asst. Professor	Biomedical Informatics	Development of i2b2 interconnectivity for clinical and sample databases.
Jochen Mattner, MD Asst. Professor	Immunobiology	Importance of early microbial activation of NKT cells in the initiation of autonomous, organ-specific autoimmunity.
Mario Medvedovic, PhD Assoc. Professor	Environmental Health	Gene expression analysis and Bayesian algorithms, applications in Rheumatology genetics.
Jarek Meller, PhD Assoc. Professor	Env Health/Biomedical Informatics	Identification of predictive fingerprints of disease states, especially in the context of large SNP genotyping. Applying machine learning approaches to fine mapping of the HLA region in JIA
Esi Morgan DeWitt, MD Asst. Professor	Rheumatology/Healt h Policy & Clinical Effectiveness	patient reported outcome measures; health services research of therapeutics in rheumatology, pharmaco-economic analysis, and application of quality improvement science to health care
Suzanne Morris, PhD Assoc. Professor	UC Rheumatolgy	B cell activation and lifespan; role of membrane immunoglobulin isotypes (mlgM and mlgD) in B cell activation, survival and tolerance; role of IL-4 in CD8+ T cell memory
William Ridgway, MD Assoc. Professor	UC Rheumatolgy	Genetics of autoimmunity and autoimmune phenotypes; mouse models of spontaneous polygenic autoimmune syndromes, including primary biliary cirrhosis, SLE and relapsing polychondritis
Michael Seid, PhD Professor.	Health Outcomes & Quality of Care Res	Measuring and improving health related quality of life for children with chronic health conditions. He is an expert in outcomes research and experimental design and is the PI for a P60 project.
Janos Sumegi, MD, PhD Professor	Exp Hem. & Cancer Biology	Genomic cause of primary Immunodeficienciess. Collaborator with Dr Grom for macrophage activation syndrome and familial hemophagocytic lymphohistiocytosis.
Susan Thompson PhD Assoc. Professor	Rheumatology	Genetic and functional genomics studies of juvenile idiopathic arthritis
Sherry L. Thornton, PhD Asst. Professor	Rheumatology	Molecular and cellular mechanisms underlying the pathogenesis of autoimmune arthritis, focused on angiogenesis
Bruce Trapnell, MD Professor	Pulmonary Biology	Macrophages in inflammation and innate immune function
Alexander Vinks PharmD, PhD Professor	Pharmacology Research Unit	Pharmacokinetic-pharmaco-dynamic modeling, pharmaco-genetics and application of genomic, population and simulation approaches to clinical trial design; therapeutic drug monitoring and development of individualized dosing algorithms
Michael Wagner, PhD Assoc. Professor	Biomedical Informatics	Basic research data repositories, genome-wide association analysis for Rheumatology genetics studies.
Jeffrey A Whitsett, MD Professor	Pulmonary Biology	T cells in innate immunity
Marsha Wills-Karp, PhD Professor	Immunobiology	An international expert in immunobiology and molecular genetics of airway disorders and a basic scientist with extensive experience in respiratory immune responses to allergens, environmental toxins and respiratory pathogens with a particular focus on asthma. Her work relates to innate and adaptive immune responses. Dr. Wills Karp will continue in various advisory roles in the P30.
David Witte, MD Professor	Pathology	Pathogenesis of human disease and animal models of disease.
Associate Members		
Jennifer Huggins, MD Asst. Professor	Rheumatology	Director of Pediatric Rheumatology Fellowship Program
Xiaoyang, Qi, PhD Assoc. Professor	Human Genetics	Analysis of Saposin C-containing nanovesicles in targeting areas of inflammation, particularly in arthritis.
Richard Strait, MD Assoc. Professor	Emergency Med /Immunobiology	Fc receptor function in mediating autoimmune/autoinflammatory processes.
Kimberly A. Risma, MD, PhD Asst. Professor	Allergy & Immunology	Cellular mechanisms of macrophage activation syndrome; especially related to genetic defects in lymphocyte cytotoxicity
Tracy Ting, MD Asst. Professor	Rheumatology	evaluation of cognitive behavioral therapy in the treatment of juvenile primary fibromyalgia syndrome