Over the last year the Rheumatology Division has continued to remain successful in both clinical and research activities. The Rheumatology Division has received an R01 grant of $1,875,000 for our research in systemic lupus from the National Institutes of Health. The Division received over $23,000 from our Division Golf Tournament including $2000 from Emerson Electric. The Division was again named one of the top 25 Rheumatology Fellowship Programs by the American College of Rheumatology (ACR) and received a $25,000 fellowship award from the ACR/Research Education Fund (REF) for a partial support of one Fellow’s salary. The Division continues to be one of the few programs in the country accredited by the ACGME for training in both adult and pediatric rheumatology. We continued to be accredited for training for four adult rheumatology and two pediatric fellows. The Division had five fellows, two first year fellows, Stephanie Ingram, M.D. and Sonialy Lugo Ruiz, M.D., two second year fellows, Esperanza Cleland, M.D. and Chad Ronholm, M.D. and one third year fellow, Sandra Crespo-Pagnussat, M.D.

During the academic year of 2011-2012, the Division of Rheumatology presented six abstracts at the annual ACR Meeting in Chicago, IL in November 2011. Eight manuscripts were accepted for publication in journals such as Pediatric Rheumatology, Journal of Biological Chemistry, and Clinical & Experimental Immunology, by Division members over the year.

Over the last year, the Rheumatology continued to be active in public awareness activities participating in multiple talks on rheumatoid arthritis, juvenile arthritis, lupus, and/or immunologic talks in and around the city for the Lupus Foundation of Eastern Missouri and the local Eastern Missouri Chapter of the Arthritis Foundation.

The Division of Rheumatology continues to run the largest arthritis/connective tissue disease outpatient clinic facility in the State of Missouri, last year seeing over 8,000 patients including 750 new patients at the University Medical Group Building, Cardinal Glennon Children’s Hospital, the University Club Towers, and the SLUCare Des Peres Medical Arts Pavilion. The Division continues to have two new patient clinics a week and five follow-up clinics at the SLUCare building. We also have three pediatric clinics weekly. We have also added an injection clinic for intraarticular injections once monthly for patients directed by Dr. Temprano. We continue to have the only rheumatology program in the area which allows residents to participate in our electives, which include residents from the Saint Louis University Internal Medicine, Pediatric, and Family Practice Programs, the Internal Medicine Programs at St. Mary’s Health Center, the Internal Medicine Program at St. John’s Mercy and St. Luke’s Health Centers. We had over 16 residents and 10 medical students participating on our rheumatology elective. The division continues to run
DIVISION OF RHEUMATOLOGY

educational conferences, which includes the weekly Arthritis Immunology Seminar, Rheumatology Clinic Conference, Rheumatology Journal Club, bi-weekly Rheumatology Research Conferences, a Rheumatology Textbook Conference, and a monthly Rheumatology Radiology Conference.

The division remains active in multiple research projects on studies in systemic lupus, regulatory T cells, juvenile idiopathic arthritis, rheumatoid arthritis, and complement. These include immune complex studies, complement activity, rheumatoid factor, anticyclic citrullinated peptide antibodies, and cartilage oligomeric matrix protein studies in juvenile arthritis by Dr. Moore. Dr. Chauhan is performing studies on complement deposition, complement metabolism and associations with the membrane attack complex and the immunological synapse in patients with juvenile arthritis and systemic lupus. Dr. Di Paolo and Dr. Chauhan are conducting mouse studies in the same topics. Also, studies on T cell receptors and lipid rafts are being pursued. This work has received international acclaim. These studies include work of the fellows and Brooke Gilliam, M.S., our laboratory assistant.

**Honors and Recognition**

*2012 Best Doctors, St. Louis Magazine*
Rama Bandlamudi, M.D.
Kathryn Coulson, M.D.
Terry L. Moore, M.D.
Peri Hickman Pepmueller, M.D.
Reema Syed, M.D.
Katherine Temprano, M.D.

Terry L. Moore, MD
Named to four study sections for grant reviews at the NIH including, “NIH Loan Repayment Grants,” “Grant Opportunity Challenge Grants,” “Ad Hoc Special Emphasis Panel,” and “NIAID Clinical Trial Planning Grants.”

Member of the Disease Monitoring Safety Board for Medications for Juvenile Arthritis at the NIH

Chairman of Study Section C for Basic Research Grants of the American College of Rheumatology (ACR) Grant Review Committee

Katherine Temprano, MD
American College of Rheumatology/Research and Education Foundation Medical Student Clinical

Preceptorship Award – Student, Megan Chan

Saint Louis University Faculty Career Development Award Recipient
Division of Rheumatology

Grants and Contracts Held By Each Faculty Member

Terry L. Moore, MD
- Research Award in Juvenile Idiopathic Arthritis, Dorr Charitable Trust Fund, 2010-2011, $167,000
- RO1 Research Award from the NIH, 2012-2017, $1,875,000
- ACR/REF Rheumatology Fellowship Award, 2011-2012, $25,000
- Saint Louis University President’s Research Fund, 2011-2012, $25,000
- NIH/University of Oklahoma “Microarray Based Biomarkers in Juvenile Idiopathic Arthritis,” 2011, $13,228
- NIH/National Institute of Allergy, “TCell Activation by Immune Complexes and Complement in Autoimmunity,” 2012-2017, $375,000

Reema Syed, MD
- NIH/Children’s Hospital Medical Center, “Towards Measures of Lupus Nephritis Activity and Damage for Children,” 2010-2013, $11,800
- NIH/Duke University, “ARRA – Childhood Arthritis and Research Alliance Network (CARRANet): Accelerating Toward an Evidence Based Culture in Pediatric Rheumatology,” 2010-2012, $17,397

During fiscal year 2012 the Division of Rheumatology had 1 active study with industry sponsors. Due to confidentiality agreements and non-publicity clauses in contracts with sponsors, specific information pertaining to industry sponsored research may not be released in public documents.

Faculty

Professor and Director
Terry L. Moore, M.D.

Visiting Professor
Anil K. Chauhan, Ph.D.

Associate Professor
Rama Bandlamudi, M.D.
Peri H. Pepmueller, M.D.

Assistant Professor
Reema Syed, M.D.
Katherine Temprano, M.D.

Administrative Assistant
Mrs. Tara Medlock, B.A.