

1. Clinical Rheumatology Training Track

A 2-year ACGME accredited training track for rheumatologists committed to a career in clinical practice (or as an academic clinician scholar) leading to a board eligibility in Rheumatology after the 2 years of fellowship.

Featured Clinical Activities

Clinics:

- UCSD General Rheumatology Continuity Clinic
- VA Medical Center General Rheumatology Continuity Clinic
- UCSD Ultrasound Clinic
- Pediatric Rheumatology Clinic (Rady Children's Hospital)
- Electives in endocrine/metabolic bone disease, joint dermatology-rheumatology and lupus nephrology-rheumatology clinics, and advanced-interventional musculoskeletal ultrasound

Teaching conferences

- [Rheumatology Grand Rounds](#) and Case Conferences
- [Rheumatology Journal club](#)
- Rheumatology San Diego City-Wide Teaching Conference (with Scripps program and the San Diego Rheumatology Community)
- [Core curriculum conferences](#)
- [Formal Ultrasound Curriculum Conferences](#) enhanced with hands on sessions
- Rheumatology-Radiology Teaching Rounds
- Immunology school
- Inter-Disciplinary Conferences

2. Academic Rheumatology 3-year Clinical-Translational Rheumatology Research Training Track

- Board eligibility after 2 years of training employing most of the same array of clinical training activities in the clinical track
- Often coupled with a NIH T32-supported training program to give an opportunity for the 3rd year of training, <https://medschool.ucsd.edu/som/medicine/divisions/rai/fellowships/T32/Pages/default.aspx>
- During the 2nd year fellows schedules are attuned to their individual scholarly activity and research needs
- Clinical and translational research testing of novel therapies at the [Center for Innovative Therapy](#) including biologics and other forms of immune modulation, or at the VA and other sites offers training in HSR&D, clinical trials, and outcomes research
- During the 3rd year fellows are presented an opportunity to get experience and transition to clinical educator role
- Formal training in clinical and translational research and epidemiology is offered through NIH Sponsored CREST program at UCSD ACTRI, <https://medschool.ucsd.edu/research/actri/education/crest-program/Pages/default.aspx>
- Advanced degrees such as MAS or MPH are available and are offered in conjunction with San Diego State University of Public Health

3. Basic-Translational Rheumatology Research Track

- Board eligibility after 2 years of training employing most of the same array of clinical training activities in the clinical track

- During the 2nd year fellows schedules are attuned to their individual scholarly activity and research needs
- Often coupled with a NIH T32-supported training program to given an opportunity for the 3rd year of training, <https://medschool.ucsd.edu/som/medicine/divisions/rai/fellowships/T32/Pages/default.aspx>
- Can be integrated with the UCSD Physician Scientist Training Pathway (PSTP), <https://medschool.ucsd.edu/som/medicine/education/residency/physician-scientist/Pages/default.aspx>
- Specialized Research Training Courses in Ethics and Grantsmanship for his Track
- Specialized Rheumatology Research Journal Club and Affinity group meetings

Examples of training opportunities include work with these mentors:

Clinical research

Arthur Kavanaugh	Spondyloarthropathies, Clinical trials, Outcome research
Ken Kalunian	Lupus, Clinical trials, Outcome research in SLE
Gary Firestein	Rheumatoid arthritis
Robert Terkeltaub	Gout and crystal arthropathies
Monica Guma	Dietary influences in rheumatic diseases
Arnold Ceponis	Interventional rheumatology, musculoskeletal ultrasound

Innate Immunity, Inflammation, Connective Tissue Biology:

Gary Firestein	RA Synovial Biology, Kinase Signaling, Epigenetics
Michael Karin	Inflammation Transcriptional Signaling
Mark Ginsberg	Inflammation Biology and Signaling, Leukocyte Adhesion and Trafficking, Angiogenesis and Vascular Biology in Rheumatic Disease
Dennis Carson	Member: Institute of Medicine, National Academy of Sciences; TLR Innate Immunity in Translational Immune Modulation, Purine Metabolism in Immunology, Nanotechnology
Jack E Dixon	Member: National Academy of Sciences; Fam20 Secreted Protein Kinases in Arthritis, Mitochondrial Biology in Connective Tissue Disease
Hal Hoffman	Inflammasome Biology and Pediatric Autoinflammatory Diseases
Robert Terkeltaub	Interfaces between Inflammation and Connective Tissue Biology, Crystal Arthropathies
Eyal Raz	Mucosal Immunity, Innate Immunity, Translational Immune Tolerization for SLE and RA
Maripat Corr	Innate Immunity in Arthritis, Wnt Signaling in Rheumatic Disease
Paul Insel	Mechanisms of Fibrosis
Monica Guma	Inflammation Signal Transduction, Microbiome in rheumatic disease
Ru Liu-Bryan	Inflammation Modulation and Metabolic Regulation of Inflammation in Cartilage Disease

Adaptive Immunity:

Dennis Carson	B cell biology, and life and death mechanisms, Immune tolerance, immunization and adjuvanticity
Maripat Corr	Adaptive Immunity in RA, SLE, and Spondyloarthropathy
Mark Ginsberg	B and T cell trafficking and activation

Mentors based nearby in the La Jolla research community, including

Mitch Kronenberg	Director, LIAI - Antigen Presentation, NK and iNKT cells
Mick Croft	LIAI - T cell biology, Translational Immune Tolerance
Klaus Ley	LIAI - T cell Immunity in Atherosclerosis)

Carl Ware Sanford-Burnham - TNF superfamily, Autoimmunity, Viral Immune Evasion in Rheumatic Diseases

Allergic inflammation:

David Broide Lung inflammation and tissue remodeling, Mast Cells

Bruce Zuraw Kinins, Angioedema

Seema Aceves Eosinophilic Inflammation

Taylor Doherty TNF superfamily in lung inflammation

Basic Mechanisms and Translation in Pediatric and Autoinflammatory Rheumatic Diseases:

Hal Hoffman Inflammasome Biology and Pediatric Autoinflammatory Diseases

Jane Burns Kawasaki's Disease Pathophysiology and Immune Modulation Based Therapy

Lori Broderick Autoinflammatory Diseases, based in the [Hal Hoffman lab group](#)