

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 given 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
- [Monica Guma](#) Dietary influences in rheumatic diseases

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
- [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)

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](#)