• A 2 year ACGME-accredited fellowship training program in adult Rheumatology in the clinical track, leading to fulfillment of ABIM requirements for Board Eligibility.

• An optional third year of additional training, or training in the UCSD Physician Scientist Training Program pathway, is offered, and focuses on basic or clinical-translational investigation in the research track, designed for entry into an academic research career and supported by NIH T32.

• Fellowship applicants must have successfully completed internal medicine residency training obligations, prior to commencing the fellowship program.

----

Welcome applications through the Electronic Residency Application Service (ERAS®), a program of the Association of American Medical College.

https://www.aamc.org/services/eras/

How to contact us

ROBERT A. TERKELTAUB, M.D.
UCSD Rheumatology Fellowship Program Director, UCSD Rheumatology T32 Principal Investigator,
VA Rheumatology Section Chief

MARIPAT CORR, M.D.
Associate Program Director,
UCSD Rheumatology Section Head

University of California, San Diego
9500 Gilman Drive
La Jolla, CA 92093-0656
PHONE: (858) 534-1909
FAX: (858) 534-2606
E-MAIL: raifellow@ucsd.edu
Website:
http://raidivision.ucsd.edu

La Jolla Cove taken by R. Terkeltaub
The UCSD Rheumatology Fellowship Training Program is based in the unique civic scientific, and biotechnology environment of San Diego, and features both highly diverse clinical experiences and faculty, in addition to opportunities for concentrated laboratory and translational and clinical research. Our UCSD and affiliated faculty and institutions represent the highest echelon of scientific achievement in academic medicine.

Clinical experiences include:

• Longitudinal outpatient experience and inpatient consult training at the UCSD Medical Center, Thornton/Sulpizio Hospital, VA Medical Center, Rady Children’s Hospital
• Elective time includes imaging, medical orthopedics, pediatric rheumatology, tele-rheumatology
• Formal training curriculum in musculoskeletal ultrasound, including ultrasound clinic

Regular teaching exercises include:

• Clinical Teaching Conferences
• Rheumatology-Immunology Seminar Series
• Musculoskeletal Radiology and Advanced Imaging Seminars
• Rheumatology Journal Club
• Medical Orthopedics/Sports Medicine
• Translational Pathobiology Conferences
• Clinical Research and Biomarkers Seminars

For more information please visit us on our website:

http://raidivision.ucsd.edu

Training in clinical, translational and basic research include:

Applicants interested in pursuing a career in academic medicine, and M.D, Ph.D. applicants are encouraged to apply. Our research strength is uniquely broad in innate and adaptive immunity, inflammation, signal transduction, synovial and cartilage biology, vascular biology, stem cell biology, metabolic arthropathies, and multiple areas of translational research. These include immunopharmacology, computational translational biology (informatics, genomics, proteomics), epidemiology, biomarkers, clinical trials, outcomes, health services research and development, and global health (see below, and Division website).

The basic research program includes joint training opportunities with affiliated faculty at La Jolla Institute of Allergy and Immunology, Sanford-Burnham Research Institute, and other local institutions and Divisions and Departments at UCSD.

Training resources for clinical, translational and health services research, and epidemiology includes the NIH-funded CTSA program, and CREST program (crest.ucsd.edu), with opportunities for Masters of Advanced Studies or a Masters of Public Health degree in conjunction with San Diego State University School of Public Health.

UCSD–Based Faculty
Include:

Seema Aceves, MD, PhD
Elizabeth Barrett-Connor, MD
Beatris Bartok, MD
Nunzio Bottini, MD, PhD
David Broide, MD
Harry Bluestein, MD
David Boyle
Jane Burns, MD
Ru Liu-Bryan, PhD
Joe Cantor, PhD
Dennis Carson, MD
Arnoldas Ceponis, MD, PhD
Maripat Corr, MD
Jack E Dixon, PhD
Taylor Doherty, MD
Gary S. Firestein, MD
Kelly Frazer, PhD
Alex Gingras, PhD
Monica Guma, MD, PhD
Mark Ginsberg, MD
Hal Hoffman, MD
Anthony Horner, MD
Trey Ideker, PhD
Deborah Kado, MD
Kenneth Kalunian, MD
Michael Karin, PhD
Arthur Kavanaugh, MD
Susan Lee, MD
Gregg Middleton, MD
Eyal Raz, MD
Bob Sah, MD, PhD
Susan Sweeney, MD, PhD
Robert Terkeltaub, MD
Bruce Zuraw, MD (Division Head)

Affiliated La Jolla Institutions with Faculty Also Offering Research Training:
UCSD Clinical Translational Research Institute/ NIH CTSA,
UCSD Rheumatology Clinical Trials Center for Innovative Therapy,
UCSD/Pfizer CTI,
La Jolla Institute for Allergy and Immunology,
Sanford-Burnham Institute,
J Craig Venter Institute
Detailed Description of Major Features of the 3 Available Training Tracks:

   • A 2 year training track for rheumatologists committed to a career in clinical practice (or as an academic clinician scholar) following a standard ACGME 2 year training program for board eligibility in Rheumatology

**Rheumatology Clinical Teaching Faculty:**
Robert Terkeltaub (Program Director)
Maripat Corr (Associate Program Director)

Other Professors: Gary Firestein, Arthur Kavanaugh, Ken Kalunian, Mark Ginsberg, Harry Bluestein, Gregg Middleton

Assistant and Associate Professors: Susan Lee, Susan Sweeney, Nunzio Bottini, Arnoldas Ceponis, Beatrix Bartok, Monica Guma

Community Faculty (including from the Scripps, Kaiser, and Sharp Health Care systems): Bonnie Hepburn, Adrian Jaffer, Alan Cohen, John Scavulli, Katherine Nguyen, Jeannie Chao, Brian Anderson, Zuhre Tutuncu

**Featured Clinical Activities:**
*Clinics:*
• UCSD Medical Center General Rheumatology Continuity Clinic
• VA Medical Center General Rheumatology Continuity Clinic
• Lupus/Autoimmune Disease Continuity Clinic (UCSD Medical Center)
• Ultrasound Clinic (UCSD)
• Pediatric Rheumatology Clinic (Rady Children’s Hospital)
• Ortho/Sports Medicine Elective Clinic (UCSD)

*Rheumatology Inpatient Consult Service (UCSD and VA)*

*Teaching Conferences:
Rheumatology Grand Rounds
Rheumatology Case Conferences
Rheumatology San Diego City-Wide Teaching Conference (with Scripps program and the San Diego Rheumatology Community)
Rheumatology Formal Ultrasound Curriculum Conferences
Core Curriculum Conference
Rheumatology-Radiology Teaching Rounds
Rheumatology-Immunology Research Conference
Inter-Disciplinary Conferences (With UCSD Orthopedics, Ophthalmology, Pathology, Renal, and Dermatology Faculty)
Rheumatology Journal Club

*Rheumatology Research Elective Time (1 Year Total)*
• Clinical and translational research testing novel therapies at the Center for Innovative Therapy (http://health.ucsd.edu/specialties/cit/Pages/default.aspx), including biologics and other forms of immune modulation, or at the VA and other sites offering training in HSR&D, outcomes research, and tele-medicine.

2. Clinical-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
   • Designed as 3 Year T32-supported Training Track
   • NIH-funded CREST K30 Courses in Clinical Research Methodology: As a component of the CREST program, trainees have the opportunity to obtain either a Masters of Advanced Studies (MAS) or a Masters of Public Health (MPH) degree in conjunction with San Diego State University School of Public Health.
   • Full Integration with UCSD NIH CTSA program
   • Specialized Rheumatology Clinical Research Journal Club for This Track
   • Clinical and translational research testing novel therapies at the Center for Innovative Therapy (http://health.ucsd.edu/specialties/cit/Pages/default.aspx), including biologics and other forms of immune modulation, or at other sites offering training in HSR&D and outcomes research.

Training opportunities include work with these mentors:
Clinical Research, Epidemiology, Outcomes, HSR&D:
Arthur Kavanaugh (Director Center for Innovative Therapy; Rheumatic disease translational research in biologics, outcomes, diagnostic tools, clinical trials methodology)
Ken Kalunian (SLE and Osteoarthritis clinical research, including biologics development, and inception cohort studies)
Susan Lee (HSR&D, tele-rheumatology, outcomes)
Robert Terkeltaub (Clinical Research in Gout)
Elizabeth Barrett-Connor (Member: Institute of Medicine)
Stephanie Strathdee (Global Health, Health Policy, UCSD)
Deborah Kado (Sarcopenia, Osteopototosis)

Biomarkers:
Gary Firestein (CTSA PI)
David Boyle (Director, CTSA Biomarker Core)
Biomarkers Core and Other Resources of NIH CTSA-funded UCSD Clinical Translational Research Institute (CTRI)

Novel Rheumatologic Applications of Ultrasound and Advanced Imaging:
Arnoldas Ceponis (eg, Ultrasound for Hemophilic Arthropathy)
Arthur Kavanaugh (eg, Ultrasound for Enthesopathy, Sjogren’s Syndrome)
Ken Kalunian (Ultrasound in OA)
Donald Resnick (Radiology: Advanced Imaging Approaches)
Christine Chung (Radiology: Functional MRI)

Computational translational biology, including informatics, genomics, proteomics:
Trey Ideker (Systems Biology, Genetics)
Lucilla Ohno-Machado (Bioinformatics)
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
- Designed as 3 Year T32-supported training track
- Additionally integrated with the UCSD Physician Scientist Training Pathway (PSTP, directed by Mark Ginsberg)
- Specialized Rheumatology Research Journal Club
- Specialized Research Training Courses in Ethics and Grantsmanship for This Track

Training opportunities include work with these mentors:

**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)
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)
Monica Guma (Inflammation Signal Transduction, Stem Cell Biology, Angiogenesis)
Ru Liu-Bryan (Inflammation Modulation and Metabolic Regulation of Inflammation in Cartilage Disease)
Beatrix Bartok (Synovial Biology, PI3Kdelta signaling)
Alex Gingras (Structural biology of Complement and of Leukocyte Activation)
Bob Sah (Biomechanics in Cartilage Biology)

**Adaptive Immunity:**
Dennis Carson (Member: Institute of Medicine, National Academy of Sciences; Purine Metabolism in Immunology)
Nunzio Bottini (T cell signaling, T cell Phosphatases)
Maripat Corr (Adaptive Immunity in RA, SLE, and Spondyloarthropathy)
Mark Ginsberg (B and T cell trafficking and activation)
Susan Sweeney (Innate antiviral IRF defenses in autoimmune disease)
Joseph Cantor (B Cell Signaling)
Anthony Horner (Immune Tolerance)
-And mentors based nearby in the La Jolla research hub, including:
Mitch Kronenberg (Director, LIAI) (Antigen Presentation, NK and iNKT cells)
Mick Croft (at LIAI) (T cell biology, Translational Immune Tolerance)
Carl Ware (at Sanford-Burnham) (TNF superfamily, Viral Immunology in Rheumatic Diseases)

**Allergic inflammation:**
David Broide (Lung inflammation and tissue remodeling, Mast Cells)
Bruce Zuraw (Kininns, 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 (at Rady Children’s) (Kawasaki’s Disease Pathophysiology and Immune Modulation Based Therapy)

**Other:**
**Stem Cell Biology in Rheumatic Diseases:**
Training and Collaboration Opportunities at the UCSD/Sanford Consortium California Institute for Regenerative Medicine

**Molecular Medicinal Chemistry in Immunology:**
Training and Collaboration Opportunities at the Scripps Research Institute, including in the Scripps-UCSD Program Project Grant on Aging in Osteoarthritis