

DEPARTMENT OF DERMATOLOGY

WINTER NEWSLETTER, 2021



Message from our Department Chair

Dear Friends of UCSD Dermatology,

The last year has certainly been a time of transformation. We are learning how to adapt to the many changes occurring in the world while maintaining our missions to provide world-class clinical care, education, and research.

It has been personally inspiring to see how hard the faculty, residents, students and staff of our department have worked to accomplish our tripartite goals. This work continues to show great success, with many stories of patients helped by our clinical effort, students successfully advancing their careers, and a spectacular research program that continues to make contributions that will impact healthcare for years.

This year also represented a milestone for UCSD Dermatology during which we successfully passed the first, formal 5-year independent Departmental review. This review reinforced the vital part that Dermatology plays in the Medical Center and the School of Medicine. Future initiatives to look for include expansion of our clinical footprint in San Diego county and the establishment of a new Division of Epithelial Biology led by Dr. George Sen with the assistance of our new Vice-Chair of Research Dr. Anna Di Nardo.

Please enjoy this newsletter that highlights some of the many great things about the people in our Dermatology family.

Warmest Regards,
Richard Gallo, MD, PhD
Founding Department Chair
Distinguished Professor of Dermatology



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FACULTY PROMOTIONS

Congratulations to our outstanding faculty members Dr. Taraneh Paravar and Dr. Jeremy Schneider for successfully completing the academic review process and being promoted at the start of this academic year.



DR. TARANEH PARAVAR
Clinical Professor



DR. JEREMY SCHNEIDER
Associate Clinical Professor

A WARM WELCOME TO

OUR NEW FACULTY

The Department of Dermatology is pleased to welcome these outstanding faculty to UCSD Dermatology! We are excited to have them as part of the team and look forward to watching them build a successful and rewarding career here. Please join us in welcoming them.

Dr. Genevieve Kaunitz is a board-certified dermatologist who practices general dermatology and treats a variety of skin conditions including eczema, psoriasis, and acne, among others. She has a special interest in the intersection of dermatology and immunology, through caring for patients who are immunosuppressed, as well as treating immune-related cutaneous side effects of chemotherapy and other cancer treatments.

Dr. Kaunitz strives for a patient-centered approach, addressing individual goals and concerns to build a comprehensive, yet attainable treatment plan.

As an assistant professor in the Department of Dermatology, she trains medical students and residents at UC San Diego School of Medicine.

Dr. Kaunitz completed her residency in dermatology at New York University (NYU), where she served as chief resident, and earned her medical degree from the Johns Hopkins University School of Medicine. She is a member of the American Academy of Dermatology.

In her free time, she enjoys exploring new cities, restaurants and art museums.



Dr. Dawn Eichenfield is a dermatologist at Rady Children's Hospital-San Diego and an assistant clinical professor of dermatology at UC San Diego School of Medicine.

Dr. Eichenfield graduated from the Massachusetts Institute of Technology, where she studied biology and psychology, and conducted both immunology and bioengineering research. She then completed a combined M.D. and Ph.D. training program at UC San Diego, where her research garnered multiple awards and publications in prestigious journals. During her residency, Dr. Eichenfield served as chief resident; she went on to complete her fellowship in pediatric dermatology at Rady Children's.

Dr. Eichenfield works to advance clinical and translational research through studies focusing on laser medicine and pediatric dermatology. Along with laser surgery, her clinical interests include dermatologic surgery, genetics, birthmarks, vascular skin disorders, acne, warts, molluscum, atopic dermatitis (eczema) and other inflammatory disorders. She is involved in the multidisciplinary Vascular Lesions Clinic and follows patients for their dermatologic concerns.

Dr. Eichenfield hopes that her unique background will allow her to offer her patients the most advanced and personalized skin care treatments. In her free time, she enjoys hiking, traveling, cooking and reading with her husband and two daughters.



Dr. Sachi Patel is a board-certified dermatologist with an expertise in general dermatology. She treats a variety of skin conditions including eczema, acne, psoriasis, skin cancer and inflammatory skin disorders, but she also has a special interest in hair loss and pigmentary disorders.

As an assistant clinical professor in the Department of Dermatology, she helps train medical students and residents at UC San Diego School of Medicine. Dr. Patel prides herself on her patient-centered approach to medicine and strives to provide holistic and tailored care to all her patients.

Dr. Patel completed her residency training in dermatology at Howard University Hospital. She holds a medical degree from the University of Southern California, where she was inducted into the Alpha Omega Alpha (AOA) national medical honor society. She is a member of the American Academy of Dermatologists.

Outside of work, Dr. Patel enjoys hiking, traveling and cooking.

UCSD DERMATOLOGY

NEW STAFF MEMBERS

UCSD Dermatology staff are integral members of the department. We are very happy to welcome many new faces to our team.

- **Marissa Appiah** – Medical Scribe/ Research Associate
- **Jasmine Barlow** - Admin Asst. 2
- **Oolka Dixit** - Fund Manager
- **Lindsey Furr** – LVN
- **Elana Kleinman** – Medical Scribe/ Research Associate
- **Sydney Korovec** – Medical Scribe
- **Jennifer Laborada** – Medical Scribe/ Research Associate
- **Leah Moyal** – Medical Scribe
- **Kevin Sayavong** – Pharmacy Tech
- **Aisha Wilson** – MA



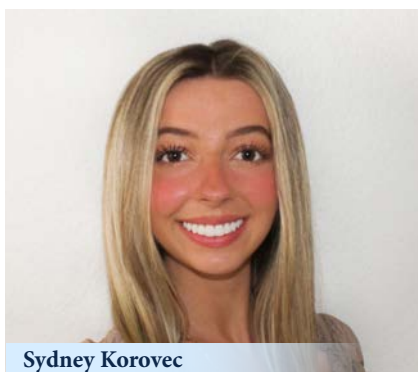
Marissa Appiah



Elana Kleinman



Jasmine Barlow



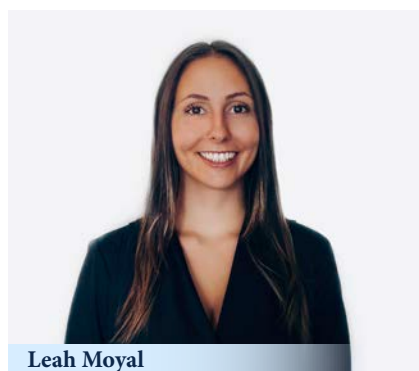
Sydney Korovec



Jennifer Laborada



Oolka Dixit



Leah Moyal

FACULTY AWARDS AND RECOGNITIONS

Lawrence Eichenfield, MD

- Elected Vice President of the American Dermatology Association,
- Appointed Visiting Professor for Michigan Dermatology Society through the University of Michigan
- Honored to run the international preceptorship program on multidisciplinary care of atopic dermatitis

Dawn Eichenfield, MD

- La Fondation La Roche-Posay (North American) Awards Grant Winner (1st Place)
- Pediatric Dermatology Career Development Award for a project titled Characterizing the Genetics and Epigenetics of Linear Morphea

Tissa Hata, MD

- Awarded by the American Academy of Allergy Asthma and Immunology (AAAAI) the Richard F. Lockey, MD MS FAAAAI & USF A/I Program Lectureship
- Awarded for the 2022 AAAAI Annual Meeting where she will be giving a panel presentation talk titled: National Institute of Allergy and Infectious Diseases (NIAID): New Insights Into the Immunoregulation of Atopic Dermatitis, The Skin Microbiome and Targeted Bacteriotherapy in Atopic Dermatitis.

George Hightower, MD

- Appointed Director of the Center for Ethics in Science and Technology

Wynnis Tom, MD

- Communications Committee for PeDRA, Society for Pediatric Dermatology COVID-19 Taskforce

Norma Villapando, PA, Wynnis Tom, MD, David Schairer, MD, Dawn Eichenfield, MD, and the Multidisciplinary Atopic Dermatitis Program (MADP) Team (Alyssa Wu, Lauren Loop, Lawrence Eichenfield, MD & Bob Geng, MD)

- Led the physicians from multiple countries in South America and Asia in an interactive training and discussion on Atopic Dermatitis.

Research Fellows Stephanie Lee, MD, Alexis Tracy, MD, and Safiyyah Bhatti, MD

- Presented several posters at the Inflammatory Skin Disorders Symposium in New York, NY, including results from the Atopic Dermatitis Quality Improvement program, which was held in collaboration with Rady Children's Primary Care Medical Group.

The MADP Team, along with former research fellow (now dermatology resident) Alexis Tracy, MD and Research Associates, Elana Kleinman, Margaret Appiah, and Jennifer Laborada

- Presented an outcomes poster at the Inflammatory Skin Disorders Symposium in New York, NY.



RESEARCH DAY AWARDS

Congratulations to Stephanie and August for receiving the Best Presentation Award at our Annual Research Day.

Stephanie Lee, MD
Pediatric Dermatology Clinical Research Fellow: “Multi-Modal Initiative to Improve Atopic Dermatitis Care Provided by Pediatricians”



August Williams, PhD Candidate
(Hangauer Lab): “Apoptotic DNase DFFB Mediates Cancer Acquired Drug Resistance”



HEALTH AND WELLNESS

UC San Diego is committed to creating a culture of wellness. Here are just some of the different programs currently available that promote health and wellness for faculty and staff at UCSD:

- **FitLife** - A program area of UCSD Recreation that offers classes such as zumba, pilates, strength training, yoga, and mediation.
- **Thrive@UC** - Offers presentations, tools, and resources to help faculty and staff make wellness a priority.
- **FSAP Classes and Workshops** - Faculty and Staff Assistance Program offers a variety of classes, workshops, and support groups.
- **Walk UCSD** - Perfect for all fitness levels, Walk UCSD offers routes, maps, and step counts for exploring campus.



HEALTH AND WELLNESS TIP:

Get **Headspace** for free, sponsored by UCSD.

- 1000+ hours of mindfulness and sleep content
- Mini exercises for busy schedules
- Proven to reduce stress in just 10 days



UCSD DERMATOLOGY FACULTY



Richard Gallo, MD, PhD

*Distinguished Professor
Founding Chair, Department of Dermatology
Principal Investigator*

Lawrence Eichenfield, MD

*Professor of Dermatology and Pediatrics
Chief, Pediatric and Adolescent Dermatology
Vice Chair, Department of Dermatology*

Tissa Hata, MD

*HS Clinical Professor
Dermatology Clinical Service Chief
Director of Dermatology Clinical Trials Unit*

Victoria Barrio, MD

*HS Clinical Professor
Department of Dermatology and Pediatrics*

Susan Boiko, MD

*Associate Professor
Department of Dermatology and Pediatrics*

Natasha Carter, MD, PhD

Physician, VAHCS – Dermatology

Brianne Daniels, DO

*Associate Physician Diplomate
Department of Dermatology*

Anna Di Nardo, MD, PhD,

*Professor of Clinical Dermatology
Principal Investigator,
Department of Dermatology*

Magdalene Dohil, MD

*Clinical Professor,
Department of Dermatology and Pediatrics*

Tatsuya Dokoshi, PhD

*Assistant Project Scientist, Gallo Lab
Department of Dermatology*

Robert Dorschner, MD

*Eliceiri Lab Fellow, Assistant Professor
Department of Dermatology*

Dawn Eichenfield, MD, PhD

*HS Assistant Clinical Professor
Department of Dermatology and Pediatrics*

Julie Akiko Gladsjo, MD, PhD

Mohs Surgeon, VAHCS – Dermatology

Erik Gilbertson, MD

*Clinical Professor
Department of Dermatology*

Shane Hamman, MD

*Assistant Clinical Professor
Department of Dermatology*

Matthew Hangauer, PhD

*Assistant Professor of Dermatology
Principal Investigator
Department of Dermatology*

Masayoshi Higuchi, PhD

*Assistant Project Scientist, Hangauer Lab
Department of Dermatology*

Brian R. Hinds, MD

*HS Associate Clinical Professor
Department of Dermatology
Director, Dermatopathology*

Eugene Huang, MD, PhD

Physician, SD VAHCS – Dermatology

S. Brian Jiang, MD

*HS Clinical Professor of Dermatology
Director, Dermatologic and Mohs
Micrographic Surgery*

Toshiaki Kawakami, MD, PhD

*Adjunct Professor of Dermatology,
UC San Diego*

*Professor of Biochemistry,
La Jolla Institute for Immunology*

Genevieve Kaunitz, MD

*HS Assistant Clinical Professor
Department of Dermatology*

Bonita Kozma, MD

*HS Assistant Clinical Professor
Department of Dermatology*

Julia Kurlan, MD

*Physician, VAHCS Dermatology &
Internal Medicine*

Ji “Nancy” Ling, PhD

*Assistant Project Scientist, Sen Lab
Department of Dermatology*

Jingting Li, PhD

*Assistant Project Scientist, Sen Lab
Department of Dermatology*

Marian MacDonald, MD

Physician, San Diego VAHCS - Dermatology

Tasha Manternach, MD

Physician, San Diego VAHCS - Dermatology

Teruaki Nakatsuji, PhD

*Assistant Project Scientist, Gallo Lab
Department of Dermatology*

Alan O’Neill, PhD

*Assistant Project Scientist, Gallo Lab
Department of Dermatology*

Charisse Orme, MD, PhD

*HS Assistant Clinical Professor
Department of Dermatology*

Arisa Ortiz, MD

*HS Associate Clinical Professor
Department of Dermatology
Director, Laser & Cosmetic Dermatology*

Sachi Patel, MD

*HS Assistant Clinical Professor
Department of Dermatology*

Taraneh Paravar, MD

*HS Associate Clinical Professor
Department of Dermatology Director,
Dermatology Residency Program*

Laura Romero, MD

*Clinical Director, UCSD/VA
Clinical Professor*

Department of Dermatology

David Otto Schairer, MD

*HS Assistant Clinical Professor
Department of Dermatology & Pediatrics*

Jeremy Schneider, MD

*HS Assistant Clinical Professor
Department of Dermatology*

George Sen, PhD

*Associate Professor of Cellular
& Molecular Medicine &
Dermatology Principal Investigator*

Daniel Shaw, MD

*Associate Physician Diplomate
Department of Dermatology*

Veronica Shi, MD

*HS Assistant Clinical Professor
Department of Dermatology*

Peter Shumaker, MD

*Associate Clinical Professor
Department of Dermatology*

Jessica Sprague, MD

*HS Assistant Clinical Professor
Department of Dermatology & Pediatrics*

Bryan Sun, MD, PhD

*HS Assistant Professor of Dermatology
Principal Investigator*

Wynniss Tom, MD

*HS Clinical Professor
Department of Dermatology & Pediatrics*

Zhenping Wang, PhD

*Assistant Project Scientist, Di Nardo Lab
Department of Dermatology*

Benjamin Yu, MD, PhD

*Associate Physician Diplomate Department
of Dermatology*

** Voluntary faculty
are not listed. For
a complete list of
our faculty scan:*





UCSD DERMATOLOGY RESIDENCY

CONGRATULATIONS TO OUR GRADUATING RESIDENTS AND WELCOME OUR NEW RESIDENTS !



Congratulations and best wishes to our recent graduates, **Talayesa Buntinx, MD, Ellen Haddock, MD, Rachel Sennett, MD, PhD, Yun Tong, MD, and Brittany Yee, MD.** We could not be more proud of this group!

We are very excited to have our incoming first years with us, **Joyce Cheng, MD, Matthew Kolar, MD, PhD, Nicola Natsis, MD, Somaira Newsheen, MD, PhD, and Bobak Pousti, MD.** We can't wait to see what residency has in store for you!



Joyce Cheng, MD



Matthew Kolar, MD, PhD



Nicola Natsis, MD

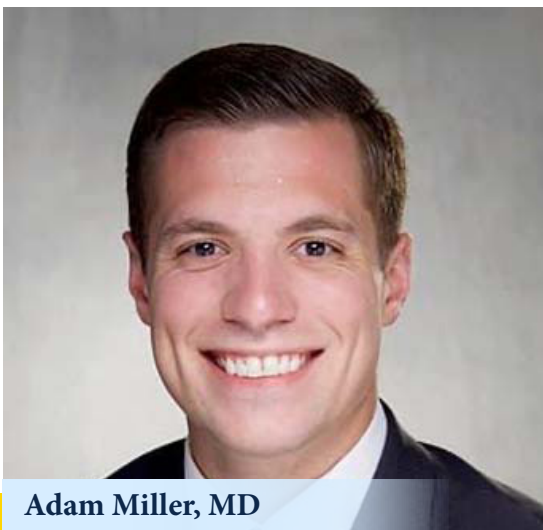


Somaira Newsheen, MD, PhD



Bobak Pousti, MD

Our chief residents for the 2021-22 academic year are **Adam Miller, MD, and Reid Oldenburg, MD, PhD!** Thank you for all you do. We couldn't do it without you!



Adam Miller, MD



Reid Oldenburg, MD, PhD

DERMATOLOGY FELLOWSHIPS

UCSD Dermatology is thrilled to have Anne Allen, Kelsey Hirotsu, Tiffany Loh, and Olive Osuoji as part of our Fellowship program

Micrographic Surgery and Dermatologic Oncology Fellowship



Dr. Kelsey Hirotsu is a Micrographic Surgery and Dermatologic Oncology Fellow at UCSD. After graduating from Johns Hopkins University with an undergraduate degree in Chemical & Biomolecular Engineering, Kelsey graduated from the Stanford School of Medicine and stayed at Stanford for dermatology residency. Her academic interests include Mohs micrographic surgery, cutaneous oncology, restorative oncology, and medical education. Outside of work she enjoys exploring San Diego with her husband and her adopted pup named Dobby.



Dr. Tiffany Loh is a Micrographic Surgery and Dermatologic Oncology Fellow at UCSD. She grew up in the greater Los Angeles area and went to medical school at UCSD. She then completed internship at Memorial Sloan Kettering Cancer Center and dermatology residency at the University of Arizona. Her dermatologic interests include cutaneous oncology, procedural dermatology, and laser surgery. Outside of medicine, she enjoys playing tennis, swimming, hiking, learning to sing, and traveling.

Clinical Research Fellowship



Olive Osuoji, MD graduated from Obafemi Awolowo University, Nigeria where she received her bachelors in medicine and surgery. She subsequently completed internal medicine residency training at Icahn School of Medicine at Mount Sinai before joining our team as Postdoctoral Fellow in Clinical and Translational Research. Dr. Osuoji helps organize, coordinate and carry out clinical and translational studies of novel therapeutics for cutaneous conditions, including but not limited to phase 1 through phase III clinical trials, investigator-initiated studies, and academic-industrial collaborations. Dr. Osuoji also contributes to novel research elucidating the relationship between the skin barrier, skin microbiome, and atopic dermatitis under the mentorship of Dr. Hata and Dr. Gallo.

Her hobbies include travel, cooking, spending time with family and friends, reading non-fiction, listening to afrobeats, roller coaster conquests and exploring San Diego. She also enjoys staying active with Pilates, running and biking.

Pediatric Dermatology Fellowship



Dr. Anne Allen is a Pediatric Dermatology fellow at Rady Children's Hospital San Diego. Before attending medical school, she completed a brief 1 year stint in culinary school specializing in French cuisine at New England Culinary Institute in Montpelier, Vermont followed by a cooking internship in Steamboat Springs, CO. She then completed both her medical degree and dermatology residency at the University of Michigan in Ann Arbor, MI. In July, 2022, Dr. Allen will be joining a dermatology practice in Knoxville, TN where she will see mostly pediatric patients but adults as well.

She enjoys going to dog beaches with her 3 dogs (two whippets and a greyhound), gardening, baking, hiking, and listening to audiobooks.

DERMATOLOGY

CLINICAL CARE

UCSD Dermatology is delighted to bring our excellent clinical services to Rancho Bernardo and surrounding communities in 2021.

We currently have 3 faculty members Drs. **Veronica Shi**, **Sachi Patel** and **Genevieve Kaunitz** providing adult medical dermatology services at this location. We are honored to serve as a Dermatology leader in the San Diego region for both adult and pediatric population and continue our commitment to render exceptional compassionate care to our patients.

In FY21, our adult dermatology faculty delivered over 37,000 patient visits up from 34,000 in FY20 in 4 locations throughout the county including UPC La Jolla, MOS Hillcrest, Scripps Ranch and our newest location VTC Rancho Bernardo and our Pediatric and Adolescent Dermatology faculty rendered over 28,000 outpatient visits up from 23,000 the year prior in 5 locations including Rady Children's Hospital, Encinitas, Escondido, Oceanside and Murrieta. We continue to score high marks with our patients.

Thanks for allowing us to take part in ensuring a healthier San Diego.



ADULT DERMATOLOGY
UPC LA JOLLA



PEDIATRIC DERMATOLOGY
RADY CHILDREN'S HOSPITAL SAN DIEGO



ADULT DERMATOLOGY
SCRIPPS RANCH



ADULT DERMATOLOGY
MEDICAL OFFICES SOUTH



ADULT DERMATOLOGY
RANCHO BERNARDO

CLINICAL PROGRAMS HIGHLIGHT

Joint Rheumatology-Dermatology Clinic



In January 2017, the Joint Rheumatology-Dermatology clinic was established by **Dr. Taraneh Paravar** (Dermatology) and **Dr. Kenneth Kalunian** (Rheumatology).

The clinic was established to provide comprehensive care to patients with rheumatologic disorders that include involvement of the skin.

Our specialists collaborate to care for patients with diagnoses including cutaneous lupus, dermatomyositis, scleroderma, morphea, and vasculitis.

The joint Rheumatology-Dermatology clinic occurs once monthly and has served patients throughout San Diego county.

If there is a patient you would like to refer, please call our clinic at 858-657-8322 or place a referral through the UCSD Dermatology Smartset in EPIC.

CLINICAL PROGRAMS HIGHLIGHT

Multidisciplinary Atopic Dermatitis Program – Pediatric Clinic



The Multidisciplinary Atopic Dermatitis Program (MADP) clinic is a specialized clinic to evaluate patients with severe atopic dermatitis who may benefit from comprehensive evaluation, therapy and education.

This is a collaborative program of the Rady Children's Hospital and UC San Diego Health Division of Dermatology (led by **Lawrence Eichenfield, M.D.**) and Division of Allergy & Immunology (led by **Bob Geng, M.D.**).

Clinics are held monthly and involve evaluations by dermatologists, allergists, clinical pharmacists, physician assistants, research associates and patient educators.

Evaluations include an assessment of the history of eczema and allergies, an assessment of prior therapies and clinical response, a review of patient and family perspectives on their disease, physical examination, and an assessment of disease severity and impact on the quality of life.

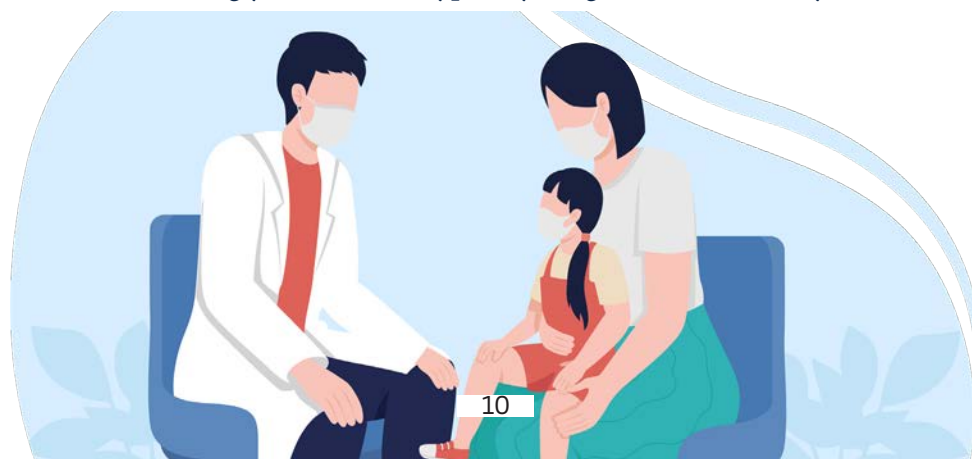
Approaches to evaluation and management are discussed both by the team and the patient and family to determine the most appropriate diagnostic and therapeutic options.

The MADP clinic visit is more comprehensive than a typical office visit and will take about two hours. Patients are asked to complete paperwork in advance regarding the history of eczema, allergies, other atopic conditions and the prior therapies used for these conditions. Patients will also be asked to create an account on eczema-wise.org, a website created by the National Eczema Association to help assess and track eczema symptoms.

The symptom tracking feature of the website allows us to incorporate patient-reported outcomes in our assessment of treatment efficacy. We ask that patients complete the symptom tracking the morning of their visit and bring a printed copy to the visit if possible. During the clinic, they will fill out a few additional questionnaires to expand our understanding of the impact eczema has on your or the child's life.

During the visit, patients are evaluated by the dermatologist, allergist, clinical pharmacist and others who will assist with the assessment of eczema severity and provide family education about the disease. We ask that patients come to the clinic open to discussing different treatment options, including topical and systemic therapies.

Understanding eczema is vital to successful treatment, and our team has worked together to create a variety of educational materials. During your visit, families meet with a patient educator to review these materials and help answer any additional questions you might have regarding eczema. The frequency of patient visits are determined by the clinic team during your visit but typically range from once every one to three months.



SPECIAL LECTURES IN 2021

STOUGHTON LECTURE

The 28th annual Stoughton Lecture, in memory of Dr. Richard Stoughton, took place Thursday, April 22, 2021.

The special guest speaker was **Rachael Clark, MD, PhD**. Dr. Clark gave the talk on “**Resident memory T cells in human health and disease**” via Zoom. Dr. Clark is the Shing-Yiu Yip and Cecilia M. Hepp Associate Professor of Dermatology for Harvard Medical School. She is also the Vice Chair for Research, Department of Dermatology, for Brigham and Women’s Hospital and the Director for Human Skin Disease Resource Center.



Dr. Richard Stoughton was a scientist, teacher and clinical dermatologist of great distinction who made many contributions to the practice of dermatology. In a long and productive research-oriented career, Dr. Stoughton developed a system for the assay of the potency of topical corticosteroids that has become the world standard. He produced over 150 publications and contributed chapters for books on various aspects of dermatology. Dr. Stoughton became the first full-time Director of the Division of Dermatology at UCSD in 1974 where he held the rank of Professor of Medicine. He passed away in May 1992.

O'GRADY LECTURE

The Dr. Terry O’Grady Lectureship took place on Thursday, October 14, 2021.

Our special guest speaker was **Jeffrey A. Callen, MD, FACP, FAAD, MACR**. Dr. Callen gave the talk on “**Systemic Manifestations of Skin Disease**” to UCSD and Naval Medical Center Dermatology residents. Dr. Callen is a Professor of Medicine and Chief of the Division of Dermatology at the University of Louisville School of Medicine in Louisville, KY,



Dr. Terry O’Grady was a faculty member with the UCSD School of Medicine, Division of Dermatology, for 14 years, and served as Residency Program Director from 2004-2008. Dr. O’Grady’s skills as a Dermatopathologist and Dermatologist improved the lives of countless patients and his inspired teaching launched many careers. He was a retired Navy captain, an avid surfer and a longtime San Diego Padres season ticket holder. He passed away September 17, 2008, after a brief battle with pancreatic cancer. He was 60 years old.



DERMATOLOGY RESEARCH: 2020-2021

UCSD Dermatology generated over \$7.6M in research funding!

Our faculty are outstanding leaders in the field of dermatology research. Their research involves both clinical and basic science. Our programs are interdisciplinary, covering a broad range of skin disorders in both adult and pediatric dermatology.

Our basic science research operations are located primarily at The Altman Clinical Translational Research Institute (ACTRI), which is home to Dr. Gallo's Lab, Dr. Di Nardo's Lab, Dr. Sen's Lab, Dr. Sun's Lab and Dr. Hangauer Lab's.

We maintain our robust funding thanks to various sources including the National Institute of Allergy And Infectious Diseases (NIAID), National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), National Cancer Institute (NCI), National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), and many others.

Congratulations to our recent grants and awards recipients!

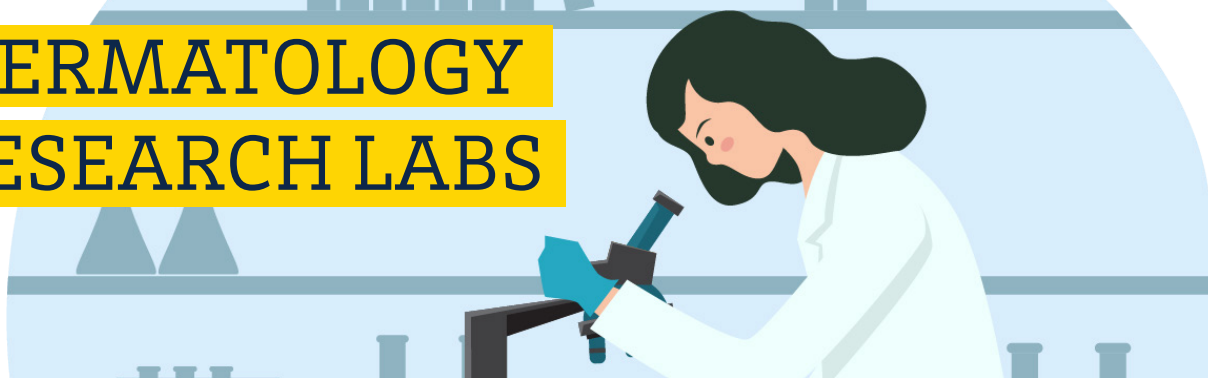
Recent Awards/Grants

Principal Investigator	Sponsor/Award	Title
Di Nardo, Anna	National Eczema Association	Targeting S1PR2 signal to improve dermatitis
Eichenfield, Dawn	Dermatology Foundation	Characterizing the Genetics and Epigenetics of Linear Morphea
Gallo, Richard	National Institute Of Diabetes, Digestive & Kidney Diseases	Inflammatory cross-talk between skin and gut
Hangauer, Matthew	J. Craig Venter Institute V Foundation	Insulin Producing Organoids to Treat Type 1 Diabetes Immunotherapy-Tolerant Cancer Persister Cells
Jiang, Shang I	American Society For Dermatologic Surgery	Use of Preferentially Expressed Antigen in Melanoma (PRAME) immunohistochemistry for margin control of melanoma in-situ during Mohs micrographic surgery
Oldenburg, Reid	American Society for Dermatologic Surgery	Examining the therapeutic potential of Botulinum toxin type A in the treatment of keloids
Ortiz, Arisa	Endo Pharmaceuticals, Inc. (Incl Bml Pharm)	MOBI: A phase 4, open-label study to assess effects of mitigation treatments on bruising of CCH-AAES treatment of buttock cellulite in adult females
Sen, George	National Institute Of Arthritis, Musculoskeletal & Skin Diseases	Regulators of epidermal growth and differentiation
Sun, Bryan	National Psoriasis Foundation The Leo Foundation National Human Genome Research Institute	Long Noncoding RNAs in Psoriasis Pathogenesis Genetic and Epigenetic Mechanisms of Steroid-Related Skin Inflammation Insights to Noncoding Disease Variants using Mosaic Diseases
Oldenburg, Reid	American Society for Dermatologic Surgery	Examining the therapeutic potential of Botulinum toxin type A in the treatment of keloids
Tom, Wynniss	Syneos Health, Inc.	An open-label, single-arm study to assess the safety and efficacy of Lebrikizumab in adolescent patients with moderate-to-severe atopic dermatitis

Current Federal Grants

Project Title	Administering IC	Project Number
Cathelicidin in Skin Immunity	NIAID	5R37AI052453-17
Microbiome Function in Atopic Dermatitis	NIAID	1U01AI152038-01
Conflict and Cooperation between AMP Species on the skin	NIAMS	5R01AR076082-02
Mast cells in skin innate immune defense	NIAID	5R01AI093957-07
CRISPR Screen to Identify Novel Secreted Epidermal Regulators	NIAMS	5R03AR075844-02
Post-Transcriptional Regulators of Epidermal Homeostasis and Neoplasia	NIAMS	5R01AR072590-03
Regulation of Human Epidermal Tumorigenesis by the mRNA Degradation Pathway	NCI	5R01CA225463-02
Inflammatory cross-talk between skin and gut	NIDDK	1 R01 DK128787
The role of the ECRG4 in Host Defense of Staph Aureus Infection	NIAMS	1K08AR077734-01

DERMATOLOGY RESEARCH LABS



DI NARDO LAB

Anna Di Nardo, MD, PhD has focused her career on understanding the skin's innate immune system and translating this knowledge into clinical applications. Her laboratory focus has been to establish the role of mast cells in the skin's innate immune system. The lab interests range from the interaction of mast cells with group A Streptococcus to Vaccinia virus and mast cells interactions.

More broadly the lab focuses on the influence of pathogens and commensals on mast cell phenotypes with the long-term goal of demonstrating that mast cell and bacteria interactions are the key to control skin inflammation.

The control of skin inflammation is also part of the lab interest in Rosacea. Because the control of inflammation is mediated by the mast cell release of interleukins, the lab is also studying how the TLRs – bacteria interaction can modify mast cell production of interleukins and the possible intracellular second mediators.



DORSCHNER LAB

The Dorschner Lab, led by **Robert A. Dorschner, MD, FAAD**, is interested in understanding mechanisms that regulate the early inflammatory response to cutaneous injury and infection, with a focus on neutrophil recruitment. The goal is to identify targets and mechanisms that can be exploited to bolster host defense and improve wound healing.

The lab has been supported by the Society for Investigative Dermatology SID/SUN Pharma innovation fellowship, an AC-

TRI KL2 award and recently an NIH National Institute of Arthritis, Musculoskeletal and Skin Disease K08 award.

In February 2021, Katie Pool joined the lab as a Staff Research Associate and has been a tremendous asset to our work. Katie, a recent SDSU graduate, is working towards a career in medicine, hopefully as a physician-scientist.

In other recent developments, the Dorschner Lab will be moving to ACTRI this spring to continue close collaboration with colleagues in the Division of Trauma and augment collaborations within the Department of Dermatology research groups.

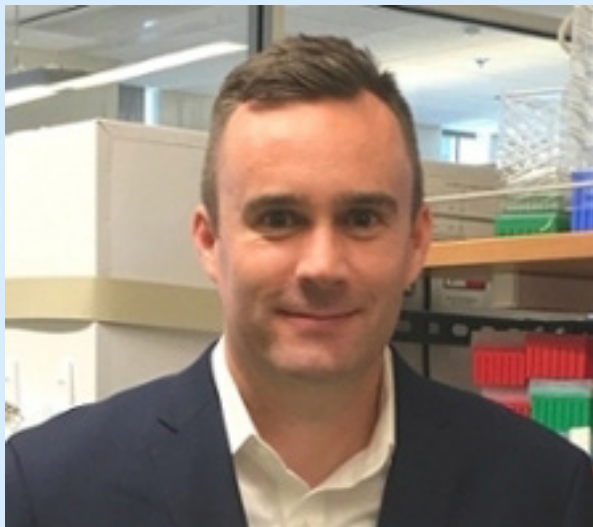
GALLO LAB

The Gallo Lab, led by **Richard L. Gallo, MD, PhD**, focuses their research on fundamental basic science and clinical trial approaches towards understanding how the skin defends the body against infections and the environment.

They apply modern techniques of biochemistry, immunology, microbiology, and genetics to model complex biological systems that study how the microbiome interacts with mammalian cells. Their goal is to translate this information into improved diagnostics and therapeutics to better understand and treat human disease.

The laboratory is interested in understanding the molecular mechanisms of epithelial defense. Critical discoveries from our group include finding that the skin makes natural antibiotic molecules known as Cathelicidins, and more recent discoveries that have defined several critical functions of bacteria that inhabit the skin.

They are leaders in understanding the functions of microbes that normally inhabit human skin. This vast collection of organisms has been termed the “Microbiome” and has been shown by our group to be essential for human health. A key aspect of our work is that we seek to specifically understand the chemical and molecular products, and the receptors involved, that permit the skin microbiome to promote health. This work has led to successful human clinical trials that are pioneering methods to treat inflammatory skin diseases without the use of immunosuppressive drugs.



HANGAUER LAB

The Hangauer lab is led by **Matt Hangauer, PhD**, and focuses on understanding cancer drug resistance. Acquired drug resistance is the very common process by which a tumor which is initially drug sensitive subsequently becomes resistant and regrows. This is perhaps the leading cause of cancer patient deaths.

Since opening in 2018, the lab has been exploring multiple projects in this area including how melanomas become resistant to immunotherapy, how tumor cells acquire drug resistance-conferring mutations, and identifying approaches to eliminate residual

tumor cells which survive treatment before they can seed tumor recurrence.

The lab has been supported in our research efforts toward these questions by funding from the National Cancer Institute/NIH, Melanoma Research Alliance, V Foundation for Cancer Research, Skin Cancer Foundation and American Cancer Society. While we are a new lab, we have already made some interesting discoveries which we plan to publish in the near future, so stay tuned!

SEN LAB

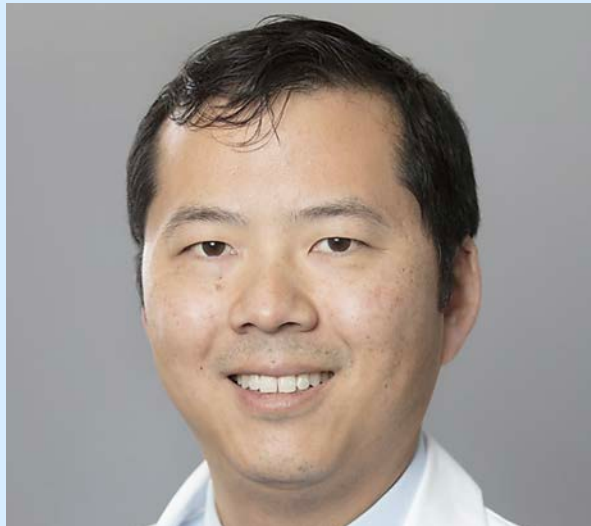
George L. Sen, PhD has focused his research on the molecular mechanisms of epidermal stem cell self-renewal and differentiation. The Sen Lab is interested in understanding the way these mechanisms govern stem cell self-renewal, differentiation, and progression to neoplasia.

They use human epithelial tissue as a model system because of the ability to regenerate the organ on immune deficient mice. Mammalian epidermis is a stratified epithelium that resides on top of a layer of extracellular matrix, which separates it from the underlying dermis. This self-renewing tissue has a turnover rate of approximately 4 weeks in humans.

In the past two years, the Sen lab has published 11 peer reviewed publications. This includes publications in high impact journals such as Nature Communications, PLOS Biology, Science Immunology, Journal of Cell Science, ACS Nano, and the Journal of Investigative Dermatology.

They have successfully renewed their first R01 grant this year. Their work is currently supported by 3 R01's from the National Institutes of Health.

Drs. Nancy Ling, Jingting Li, Jackson Jones, and Mrs. Manisha Tiwari, all of whom left the lab in the past year, are deeply missed by the team.



SUN LAB

The Sun Lab, led by **Bryan K. Sun, MD, PhD**, has made it their goal to integrate laboratory and patient-oriented approaches to gain insight to the form and function of skin in health and disease. Their epidermal model systems allow for rapid and combinatorial genetic manipulations in a primary cell and tissue context. Combined with genome engineering tools such as CRISPR/Cas9, this experimental system serves as a versatile genetic approach to study stem cell biology, tissue development, and cellular differentiation.

The skin is a critical interface to the outside environment and undergoes constant renewal and repair throughout a lifetime. The Sun Lab investigates molecular and genetic mechanisms that regulate the development and homeostasis of mammalian skin, as well as how these processes are disrupted in skin diseases. They study the human skin in the laboratory and in the clinic.

In the lab, they use primary skin cells, regenerated human epidermal tissue, and xenograft models to decipher the molecular pathways critical to epidermal development and homeostasis. In the clinic, they investigate the molecular pathogenesis of genetic skin diseases.

POSTDOCTORAL RESEARCHERS



Michelle Bagood, PhD
Gallo Lab



Michael Williams, PhD
Gallo Lab



Samia Almoughrabie, PhD
Gallo Lab



Kana Kuroki, MD, PhD
Di Nardo Lab



Binbin Cheng, PhD
Sun Lab



Samiksha Mahapatra, PhD
Sen Lab

VISTING SCHOLARS



Yoshiyuki Nakamura MD, PhD
Gallo Lab



Shota Takashima, MD, PhD
Sun Lab



Andrea Roso Mares, MD, PhD
Di Nardo Lab

GRADUATE STUDENTS



Kellen Cavagnaro,
PhD Graduate Student
Gallo Lab

PUBLICATIONS: 2020-2021

The UCSD Department of Dermatology faculty had over 120 publications this year. We are proud to have a team with highly successful research programs that reflect broad interests in skin immunology, genetics, development, cancer and disease specific programs.

Here are a few noteworthy publications from some of our staff:

Victoria Barrio, MD

Allergic contact dermatitis to immobilization mask used in radiation therapy.

Pediatr Dermatol. 2020 Sep; 37(5):900-901. Haddock EES, Barrio VR. PMID: 32602155.

Association of Demographic Factors and Infantile Hemangioma Characteristics With Risk of PHACE Syndrome.

JAMA Dermatol. 2021 06 16. Cotton CH, Ahluwalia J, Balkin DM, Frieden IJ, Haggstrom AN, Castelo-Soccio LA, Liy-Wong C, Pope E, Steiner JE, Siegel DH, Fernandez-Faith E, Morel KD, Lauren CT, Garzon MC, Mancini AJ, Chamlin SL, Tollefson MM, Liang MG, Delano S, Glick SA, Hogeling M, Barrio VR, PHACE Retrospective Study Group . PMID: 34132754.

Dawn Z Eichenfield, MD, PhD

Crusted Papules on the Bilateral Helices and Lobules.

Eichenfield DZ, Hinds B, Schneider J. Cutis. 2021 Mar;107(3):E12-E14. doi: 10.12788/cutis.0214. PMID: 33956615

Efficacy and Safety of the 532-nm KTP and Long-Pulsed 1064-nm Neodymium-doped Yttrium Aluminum Garnet Laser for Treatment of Vascular Malformations.

Eichenfield DZ, Ortiz AE. Dermatol Surg. 2020 Dec;46(12):1535-1539. doi: 10.1097/DSS.0000000000002386. PMID: 32371774

Lawrence Eichenfield, MD

Pooled Results of Two Randomized Phase III Trials Evaluating VP-102, a Drug-Device Combination Product Containing Cantharidin 0.7% (w/v) for the Treatment of Molluscum Contagiosum.

Eichenfield LF, Siegfried E, Kwong P, McBride M, Rieger J, Glover D, Willson C, Davidson M, Burnett P, Olivadoti M. Am J Clin Dermatol. 2021 Mar;22(2):257-265. doi: 10.1007/s40257-020-00570-8. Epub 2021 Feb 18. PMID: 33599960

Efficacy and Safety of Abrocitinib in Combination With Topical Therapy in Adolescents With Moderate-to-Severe Atopic Dermatitis: The JADE TEEN Randomized Clinical Trial.

Eichenfield LF, Flohr C, Sidbury R, Siegfried E, Szalai Z, Galus R, Yao Z, Takahashi H, Barbarot S, Feeney C, Zhang F, DiBonaventura M, Rojo R, Valdez H, Chan G. JAMA Dermatol. 2021 Oct 1;157(10):1165-1173. doi: 10.1001/jamadermatol.2021.2830. PMID: 34406366

Richard Gallo, MD, PhD

Diet-induced obesity promotes infection by impairment of the innate antimicrobial defense function of dermal adipocyte progenitors.

Zhang LJ, Guerrero-Juarez CF, Chen SX, Zhang X, Yin M, Li F, Wu S, Chen J, Li M, Liu Y, Jiang SIB, Hata T, Plikus MV, Gallo RL. Sci Transl Med. 2021 Jan 20;13(577):eabb5280. doi: 10.1126/scitranslmed.abb5280. PMID: 33472955

Skin inflammation activates intestinal stromal fibroblasts and promotes colitis.

Dokoshi T, Seidman JS, Cavagnero KJ, Li F, Liggins MC, Taylor BC, Olvera J, Knight R, Chang JT, Salzman NH, Gallo RL. J Clin Invest. 2021 Nov 1;131(21):e147614. doi: 10.1172/JCI147614. PMID: 34720087

Antimicrobials from a feline commensal bacterium inhibit skin infection by drug-resistant *S. pseudintermedius*.

O'Neill AM, Worthing KA, Kulkarni N, Li F, Nakatsuji T, McGrosso D, Mills RH, Kalla G, Cheng JY, Norris JM, Pogliano K, Pogliano J, Gonzalez DJ, Gallo RL. Elife. 2021 Oct 19;10:e66793. doi: 10.7554/eLife.66793. PMID: 34664551

PUBLICATIONS: 2020-2021

Tissa Hata, MD

Development of a human skin commensal microbe for bacteriotherapy of atopic dermatitis and use in a phase 1 randomized clinical trial.

Nakatsuji T, Hata TR, Tong Y, Cheng JY, Shafiq F, Butcher AM, Salem SS, Brinton SL, Rudman Spergel AK, Johnson K, Jepson B, Calatroni A, David G, Ramirez-Gama M, Taylor P, Leung DYM, Gallo RL. *Nat Med.* 2021 Apr;27(4):700-709. doi: 10.1038/s41591-021-01256-2. Epub 2021 Feb 22. PMID: 33619370

Brian Hinds, MD

Smartphone adapter time trial analysis: A low-cost, time-efficient method to disseminate quality photomicrographs at the microscope.

DaCunha M, Buntinx T, Hinds B. *J Cutan Pathol.* 2021 Aug 24. doi: 10.1111/cup.14127. Online ahead of print. PMID: 34427943

The Relationship Between Epidermal Mitotic Density, Atypical Mitotic Figure Density, Breslow Depth, Ulceration, and Dermal Mitotic Rate in Cutaneous Melanoma: A Retrospective Cohort Study.

Marsch AF, McKee RM, Werbel T, Ruo B, Hinds BR. *Int J Surg Pathol.* 2021 Sep;29(6):592-599. doi: 10.1177/1066896921995985. Epub 2021 Feb 24. PMID: 33624542

Shang I Brian Jiang, MD

CD4+/CD8+ T-Cell Ratio Predictive of Surgical Margins in the Treatment of Nonmelanoma Skin Cancer Treated With Mohs Surgery of Patients Infected With the Human Immunodeficiency Virus.

Chow M, Miller A, Jiang SIB. *Dermatol Surg.* 2021 Jun 1;47(6):817-818. doi: 10.1097/DSS.0000000000002702. PMID: 32897950

A deep learning algorithm to detect the presence of basal cell carcinoma on Mohs micrographic surgery frozen sections.

Sohn GK, Sohn JH, Yeh J, Chen Y, Brian Jiang SI. *J Am Acad Dermatol.* 2021 May;84(5):1437-1438. doi: 10.1016/j.jaad.2020.06.080. Epub 2020 Jun 23. PMID: 32590033

Online learning tool for the acquisition of frozen-section histopathology knowledge.

Chao K, Singh G, Elsensohn AN, Brian Jiang SI. *J Am Acad Dermatol.* 2021 Jul 24:S0190-9622(21)02171-X. doi: 10.1016/j.jaad.2021.07.026. Online ahead of print. PMID: 34311043

Genevieve Kaunitz, MD

Myiasis from Larvae of Human Botfly.

Kaunitz G, Keltz Pomeranz M. *N Engl J Med.* 2021 Aug 12;385(7):e20. doi: 10.1056/NEJMicm2101473. PMID: 34379925

Assessing Patient Satisfaction with Live-Interactive Tele dermatology Visits During the COVID-19 Pandemic: A Survey Study.

Kaunitz G, Yin L, Nagler AR, Sicco KL, Kim RH. *Telemed J E Health.* 2021 Jun 21. doi: 10.1089/tmj.2021.0200. Online ahead of print. PMID: 34152849

Jessica Sprague, MD

Management of Acne Vulgaris: A Review.

Eichenfield DZ, Sprague J, Eichenfield LF. *JAMA.* 2021 Nov 23;326(20):2055-2067. doi: 10.1001/jama.2021.17633. PMID: 34812859

Resolution of chronic recurrent pyoderma gangrenosum with latent tuberculosis treatment.

Saklecha A, Tom W, Sprague J. *Pediatr Dermatol.* 2021 Jan;38(1):181-183. doi: 10.1111/pde.14341. Epub 2020 Nov 6. PMID: 33155688

OPEN RECRUITMENTS

The Department of Dermatology in the School of Medicine at UC San Diego is committed to excellence and diversity within the faculty, staff, and student body.

We are currently recruiting for the following positions:

Assistant, Associate or Full Professor

(HS Clin, Clin X, In Residence, Adjunct) - Dermatologist

- *Open date: November 2nd, 2021*
- *Last review date: Wednesday, Dec 1, 2021 at 11:59pm (Pacific Time)*
 - *Applications received after this date will be reviewed by the search committee if the position has not yet been filled.*
- *Final date: Wednesday, Nov 2, 2022 at 11:59pm (Pacific Time)*
 - *Applications will continue to be accepted until this date, but those received after the review date will only be considered if the position has not yet been filled.*

To apply and learn more scan:



Assistant, Associate or Full Professor

(HS Clin, Clin X, In-Res) - Pediatric Dermatologist

- *Open date: November 22nd, 2021*
- *Next review date: Sunday, Jan 2, 2022 at 11:59pm (Pacific Time)*
 - *Apply by this date to ensure full consideration by the committee.*
- *Final date: Tuesday, Nov 22, 2022 at 11:59pm (Pacific Time)*
 - *Applications will continue to be accepted until this date, but those received after the review date will only be considered if the position has not yet been filled.*

To apply and learn more scan:



UCSD DERMATOLOGY CLINICAL TRIALS (UPC CLINICAL):

Currently recruiting patients for the following studies:

INTERVENTIONAL TRIALS:

Acne

- Study of a topical probiotic for acne vulgaris of the face
- Microbiome study involving patients on track to start isotretinoin (back biopsies and swabs)

Atopic Dermatitis

- NIH/ADRN: Evaluation of the survival rate of one application of topical Staph hominis A9
- NIH/ADRN: LEADS study. Evaluating the microbiome, barrier and gene expression profiles in AD subjects on topical steroids, dupilumab responders and non-responders
- Atopic Dermatitis: Unilever, testing effect of topical lotion on the skin barrier, microbiome and metabolome

Papulopustular Rosacea

- Biorasi: Examining the skin gut axis with oral Rifaximin for papulopustular rosacea

Notalgia Paresthetica

- Cara Innovoderm: Oral Difelakifalin for treatment of NP.

Psoriasis

- Nimbus: TYK2 inhibitor for psoriasis

SAMPLE COLLECTION STUDIES:

Any psoriasis, AD or back acne patients who are willing to donate skin biopsies, scrapings, swabs, tape strips and/or blood for research.

Please have patients email: dermstudies@health.ucsd.edu or call: 858-657-8390

CANDID SNAPS



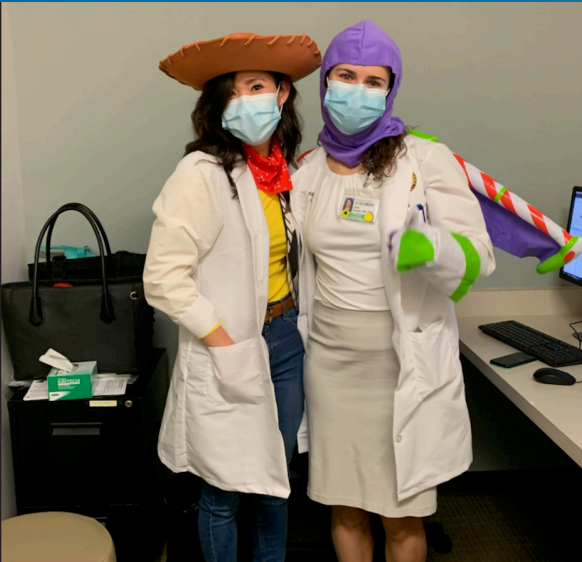
CANDID SNAPS



CANDID SNAPS



CANDID SNAPS



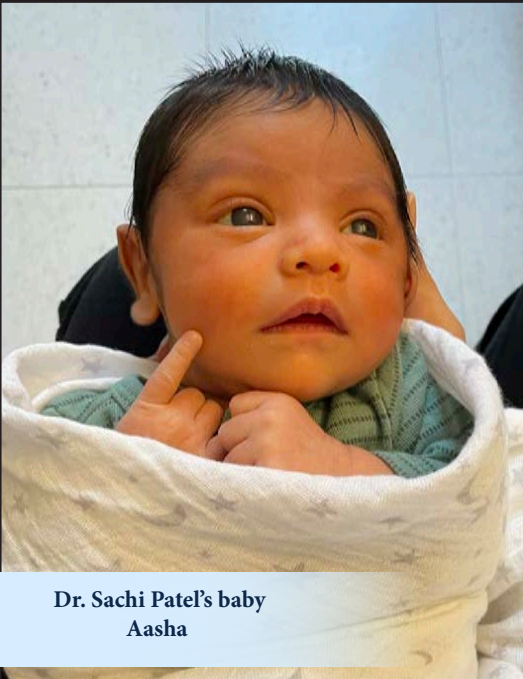
DERM. BABIES



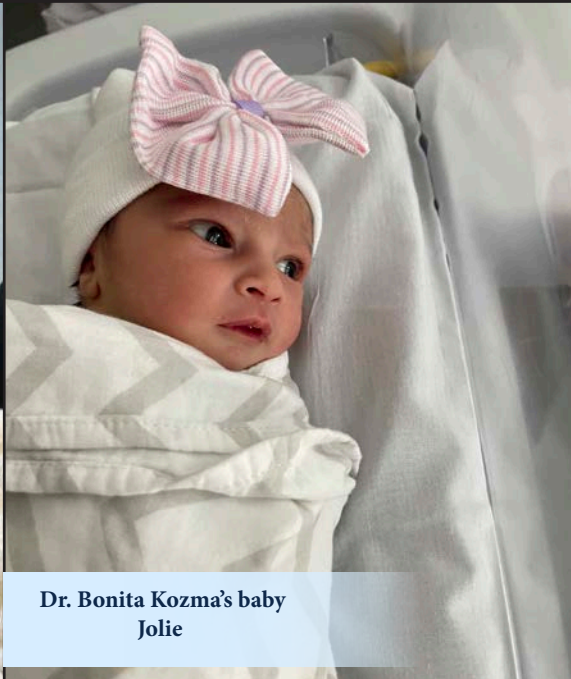
Stephanie McClafferty's baby, Oscar
and Eliza Kasian's baby, Liv



Dr. Jessica Sprague's baby
Madeline "Maddie"



Dr. Sachi Patel's baby
Aasha



Dr. Bonita Kozma's baby
Jolie



Stephanie McClafferty's son,
Arthur



Dr. Richard Gallo's grandsons,
Calvin and Ray



Marissa Appiah's baby
Malcolm

DERM. BABIES

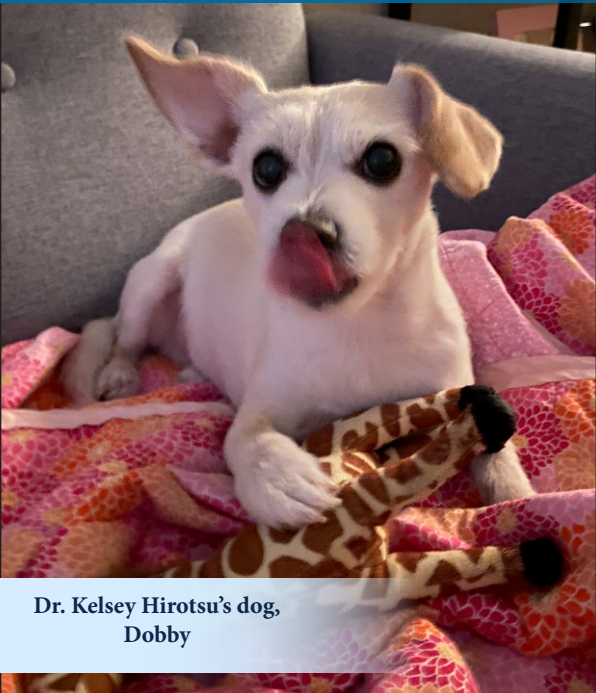


Eliza Kasian's kids,
Theo and Liv



Dr. Jessica Sprague's baby
Madeline "Maddie"

FUR BABIES



Dr. Kelsey Hirotsu's dog,
Dobby



Patti Oden's dog,
Chewy



Brenda Charuwatsunorn's dog
Tip



Dr. Richard Gallo's dog,
Doug



John Kaufmann's dog,
Oso

CONTRIBUTE

UC San Diego Dermatology provides the highest quality of care to patients suffering a variety of skin disorders and diseases. It also trains the brightest and most talented new physicians and researchers.

As one of the world's leading biomedical research institutions, UC San Diego also implements a range of studies on dermatologic diseases and disorders that are devastating to patients and their families. It has built a strong bridge, bringing new laboratory discoveries to patients and providing top-quality care with expertise and com- passion.

You can make a much-needed gift to benefit our work in the following areas:

- Education - supporting our Residency and Fellowship Programs
- Patient Care/Clinical Services
- Research
- General Support for UCSD Department of Dermatology

Gifts and pledges may support current programs or needs, or establish a named endowment.

For more information about making a gift to UC San Diego's Department of Dermatology, please contact our administrative office or visit UCSD Advancement website by scanning the following QR code:



Click on Health and Medicine and select Dermatology in the drop down box.
We are grateful for your consideration

CONTACT US

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Phone: 858.657.8322 | Fax: 858.657.1291

Pediatric Dermatology Clinic

Rady Children's Hospital & Health Center
3020 Children's Way, MC5092, San Diego, CA
92123 Phone: 858-966-6795 | Fax:858.966.7479

Scan the QR code for a complete list of contact information:

