



Dermatology Newsletter Fall 2017

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Dear Colleagues and Friends,

On behalf of the Department of Dermatology, I am pleased to convey our very best wishes for a wonderful winter holiday season.

2017 has been another strong year for Stanford Dermatology, with outstanding new faculty joining the Department, including former Stanford Chief Residents, Dr. Albert Chiou and Dr. Gillian Heinecke, as well as former Stanford Resident and Postdoctoral Fellow, Dr. Eon Rios. All are interested in Medical Dermatology. Dr. Chiou is also focused on medical devices and clinical trials. Dr. Heinecke is interested in Dermatopathology, and Dr. Rios specializes in both complex medical dermatology as well as the cutaneous microbiome. These new faculty continue the largest period of growth for the Department in its history over the past 7 years, which has helped make the Department the largest academic Department of Dermatology in the nation.

In additional positive developments, the Eighth...



Paul Khavari, MD, PhD
Carl J. Herzog Professor and Chair

[Cont'd. on page 2](#)

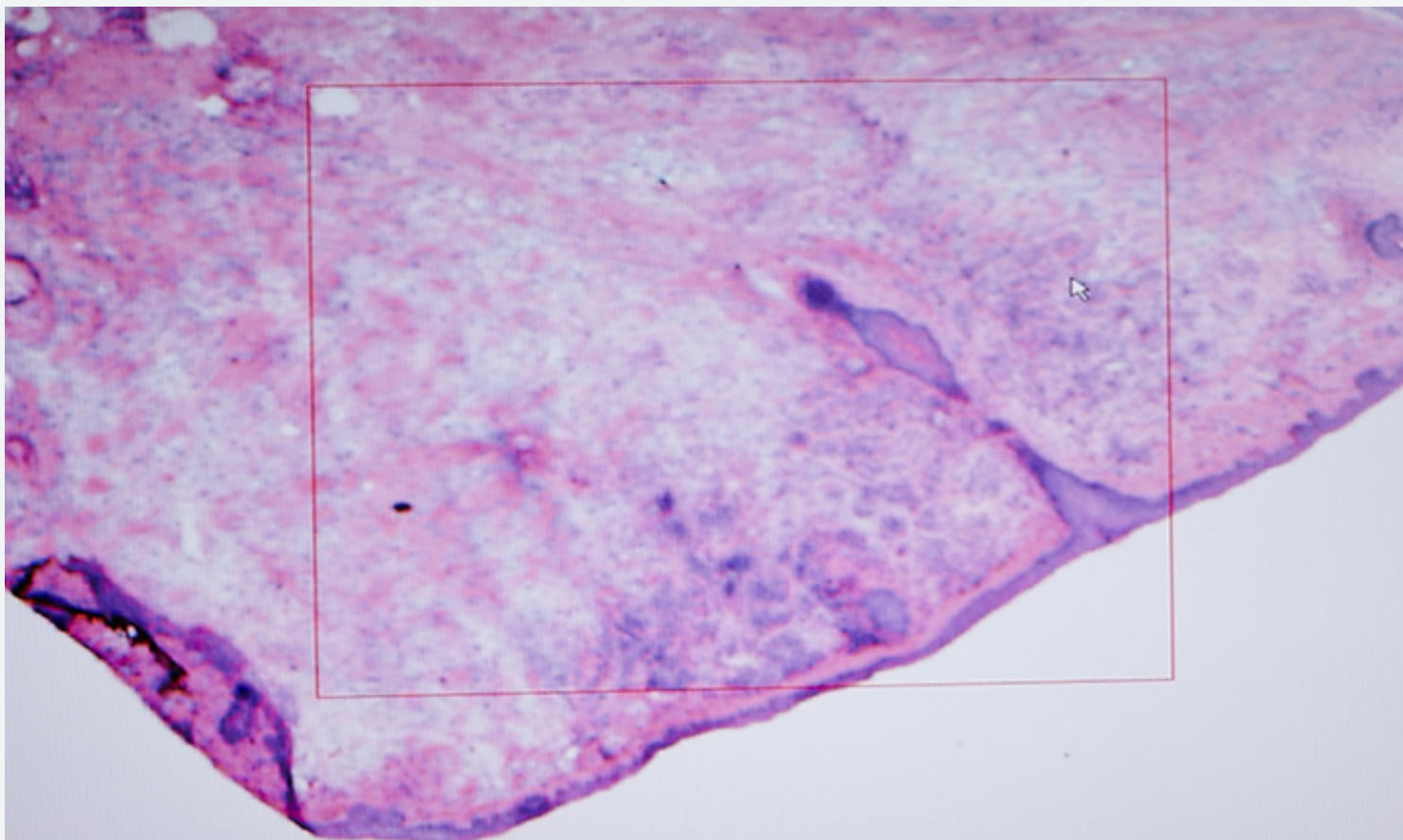
HIGHLIGHTS [\(Page 4\)](#)



INNOVATION



PATIENT CARE



CLINICAL FOCUS

Annual Faculty Retreat in the Department’s new Task Force format was held in September of this year. Faculty came together to work on issues important to the Department’s continued success, with a special focus for this year’s Retreat on enhancing our Education and Patient Care missions. The Retreat was the culmination of months of advance work by Task Forces led by Dr. Betsy Bailey, Dr. Matt Lewis, and Dr. Zakia Rahman. These Task Forces helped chart the path forward for this year’s plans for Department growth and improvement, with a number of additional initiatives now either underway or already completed. Plans are in place for next year’s Retreat in September 2018.

Our faculty continue to do great things and this year we were particularly delighted that two of our distinguished research faculty received the highest honor a university can bestow upon a Professor, namely an endowed Professorship. Dr. Howard Chang was announced as the Virginia and D.K. Ludwig Professor in Cancer Genomics. Thanks to a generous new gift from Dr. Eugene Bauer, our former Dean of Stanford University School of Medicine and former Chair of the Department, and his wife Gloria Bauer, Dr. Anthony Oro was announced as the Eugene and Gloria Professor of Dermatology. These Professorships recognize the sustained outstanding contributions to our field by Dr. Chang and Dr. Oro and I hope you will join me in congratulating them on their impactful achievements.

Also central to our Department’s mission efforts is the development of future leaders and we are pleased that, once again, a majority of graduating residents from our program have taken leadership positions in academic Departments. In this regard, we are particularly pleased that our residency program, under the outstanding leadership of Dr. Kristin Nord, has continue to grow to be among the largest in the nation. More information on our trainees is found on [page 6](#).

Looking to the future, the mission of the Department will remain focused, as it has been for past decades, on leadership in discovery, in patient care and in training leaders of our specialty in an environment that fosters creativity, excellence and synergy. We are already looking forward to our Department Reunion at this year’s American Academy of Dermatology Meeting in San Diego on February 17, 2018. More details will be sent soon but please mark your calendars and join us for a chance to renew ties with alumni and current faculty and residents at the AAD.

I also hope you’ll join us on campus for a new annual event, the Karasek Lecture, this spring. Thanks to a generous gift from the estate of Dr. Marvin Karasek, we’re planning an event to celebrate our department’s research efforts on Monday, **May 7th, 2018**. The inaugural Karasek Lecture will be followed by a reception with our brilliant trainees who will be sharing our latest research over drinks and hors d’oeuvres.

In closing, it has been a remarkable year thanks to everyone who’s been a part of it. The support of our entire community of faculty, alumni, patients, and friends is instrumental in providing the creativity and resources needed in this effort to support trainees, young faculty, patient care advances and innovative research. I welcome your support and suggestions to enhance these endeavors and thank you for your efforts as part of the Stanford Dermatology community.

With best wishes for a happy holiday season and New Year,

Paul Khavari, MD, PhD
Carl J. Herzog Professor and Chairperson



Clinical Trials at Stanford

Stanford University School of Medicine's Center for Advanced Dermatologic Investigation is the Dermatology Department's clinical trials unit.

Directed by **Anne Chang, MD.**, the Center is home to 12-15 ongoing clinical studies, investigating the safety and efficacy of new and currently available drugs and over-the-counter medications.

Learn more: med.stanford.edu/dermatology/clinical_trials.html



The Department At a Glance

The Department of Dermatology is committed to the highest level of patient care, as well as the discovery and development of better treatments for dermatologic diseases.

50

FACULTY MEMBERS

24

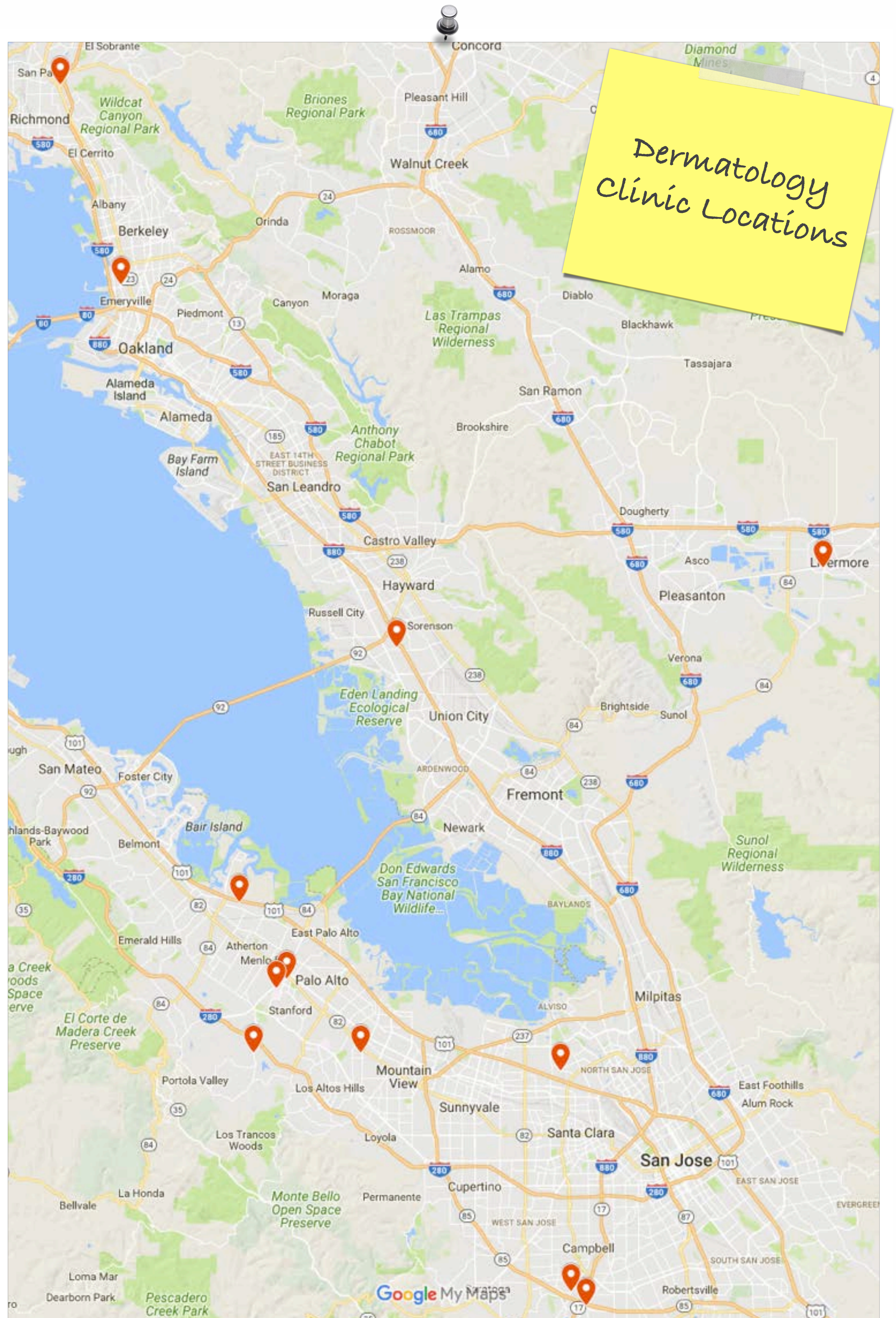
RESIDENTS

13

CLINIC LOCATIONS

16

SUBSPECIALTIES





Highlights

Notable Awards



Paul A. Khavari, MD, PhD

Chair, Professor

Kligman-Frost Leadership Lectureship Award, SID



Howard Chang, M.D, Ph.D.

Professor

Outstanding Investigator Award, NCI

Virginia and D.K. Ludwig Professor in Cancer Genomics



Carolyn Lee, M.D, Ph.D.

Assistant Professor

Kimmel Scholar Awardee, Sidney Kimmel Foundation



Zakia Rahman, M.D.

Clinical Associate Professor

Leon Goldman Circle Member in Laser Medicine

AAD Presidential Citation for Diversity Efforts



Anthony Oro, M.D, Ph.D.

Professor

Eugene and Gloria Professor of Dermatology

Innovation



**Identified Possible Psoriasis
Drug Target**

M. Peter Marinkovich, MD

Associate Professor



**Offers Mohs Surgery for Melanoma in
Situ at Stanford Health Care**

S. Tyler Hollmig, MD

Clinical Associate Professor



**Developed Inducible Loops to Enable 3D
Gene Expression Studies**

Kevin Wang, MD, PhD

Assistant Professor

Clinical Preeminence

Subspecialty Programs



Melanoma



Blistering Disorders



Cutaneous Lymphoma



Hair Disorders



Genital Dermatology



Nail Disorders



Vascular Anomalies



Psoriasis



Rheumatologic Skin Disorders



Mohs Micrographic Surgery



Laser Dermatology



Aesthetic Dermatology



Contact Dermatitis



Acne



Advanced Basal Cell Carcinoma



Supportive Dermato-Oncology



Precision Health

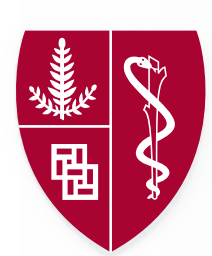


High Risk Non-Melanoma



TeleHealth

Learn more at
med.stanford.edu/dermatology/subspecialty



Dermatology Faculty



2017 Faculty Retreat

Dr. Paul Khavari	Dr. Meghan Dickman	Dr. Phuong Khuu	Dr. Kristin Nord	Dr. Jennifer Sorrell
Dr. Sumaira Z. Aasi	Dr. David Fiorentino	Dr. Youn H. Kim	Dr. Gloria Nguyen	Dr. Laurel Stevens
Dr. Joanna Badger	Dr. Teresa Fu	Dr. Justin Ko	Dr. Roberto Novoa	Dr. Susan M. Swetter
Dr. Elizabeth Bailey	Dr. Michelle Galant	Dr. Bernice Kwong	Dr. Anthony Oro	Dr. Jean Tang
Dr. Anne Lynn S. Chang	Dr. Rajnish Gupta	Dr. Jennifer Lai	Dr. Marlyanne Pol-	Dr. Joyce Teng
Dr. Howard Y. Chang	Dr. Gillian Heinecke	Dr. Carolyn Lee	Dr. Silvina Pugliese	Dr. Martin D. Vazquez
Dr. Jennifer Chen M.D.	Dr. Golara Honari	Dr. Matthew Lewis	Dr. Zakia Rahman	Dr. Aruna Venkatesan
Dr. Richard Chen	Dr. Tyler Hollmig	Dr. M. Peter Marinkovich	Dr. Kerri Rieger	Dr. Kevin Wang
Dr. Albert Chiou	Dr. Reza Kafi	Dr. Annie Marqueling	Dr. Eon Rios	Dr. David Wong
Dr. Derek Chu	Dr. Vista Khosravi	Dr. Kathryn Martires	Dr. Kavita Sarin	Dr. John M. Yost

New Faculty Members



Gillian Heinecke, M.D. - Clinical Assistant Professor

Dr. Heinecke joined Stanford Medicine in mid-2017 as a Clinical Assistant Professor of Dermatology. After attending medical school at the Icahn School of Medicine at Mount Sinai, Dr. Heinecke completed her residency at the Department of Dermatology at Stanford University Hospital and Clinics. Learn more about Dr. Heinecke at med.stanford.edu/profiles/gillian-heinecke.



Albert Chiou, M.D. - Clinical Assistant Professor

Dr. Chiou joined Stanford Medicine in September 2017 as a Clinical Assistant Professor of Dermatology. Dr. Chiou earned his B.S. from Stanford and his medical degree from Harvard Medical School. He completed his dermatology residency at Stanford University and served as Chief Resident in his final year. His clinical focus is general medical dermatology, including acne, psoriasis, skin cancer, and dermatologic surgery. Learn more about Dr. Chiou at med.stanford.edu/profiles/albert-chiou.



Eon Rios, M.D., Ph.D. - Clinical Assistant Professor (Affiliated)

Dr. Rios joined the Stanford University School of Medicine MSTP to complete his M.D./Ph.D. He completed his residency at Stanford University Medical Center, and completed his postdoctoral training under the mentorship of Dr. Paul Khavari. He is studying the links between the human microbiome and dermatologic conditions.



Residency Program

With the largest full-time faculty of any department in the field, and a mission statement “to train future leaders,” **Stanford aims to provide residents with an educational experience that is both well rounded and unique.**

Under the leadership of Residency Program Director, Dr. Kristin Nord, our program has grown from 16 to 24 residents in the last 5 years, and is now consistently ranked by our peers to be one of the top five programs in the country. The leadership team has also grown to include two Associate Program Directors, Dr. David Fiorentino and Dr. Bernice Kwong, as well as two Assistant Program Directors, Dr. Betsy Bailey and Dr. Laurel Stevens, providing dedicated support for curriculum and resident well-being.

Our residents continue to receive a **strong foundation in general medical, complex medical, pediatric and procedural dermatology as well as dermatopathology.** With teaching sites distributed over several new outpatient clinic facilities, a university-based adult hospital, a children’s hospital, a nationally-recognized VA medical center and a local county hospital, our residents care for diverse patient populations while learning how various medical systems work. At the university-based clinics they also rotate through **over fifteen specialty clinics, providing a tremendous breadth of exposure.**

In addition, Stanford also provides several unique opportunities for residents interested in pursuing academic careers. We offer a **2+1 Basic Science Track** for those interested in lab research, with a successful record of launching careers in this competitive field. More recently we have added a **Clinical Scholars Track**, one of the first programs of its kind with the purpose of providing additional mentorship, exposure and training in patient-oriented research and/or clinical teaching. More than half of our residents participate in one of these research tracks and go on to launch successful careers in academic dermatology departments across the country.

Finally, our program offers **unique elective opportunities.** Senior residents design their own clinical or research electives, including international opportunities to care for the underserved. They can also rotate with a dermatology-dedicated biopharmaceutical company and see firsthand how patient needs are met with scientific advances, and how drugs are brought to market.

At Stanford, we are more prepared than ever before to provide unparalleled clinical experience, mentorship support and educational resources to allow each resident to reach their personal goals as they embark on a successful career in Dermatology.



2017 Resident Retreat

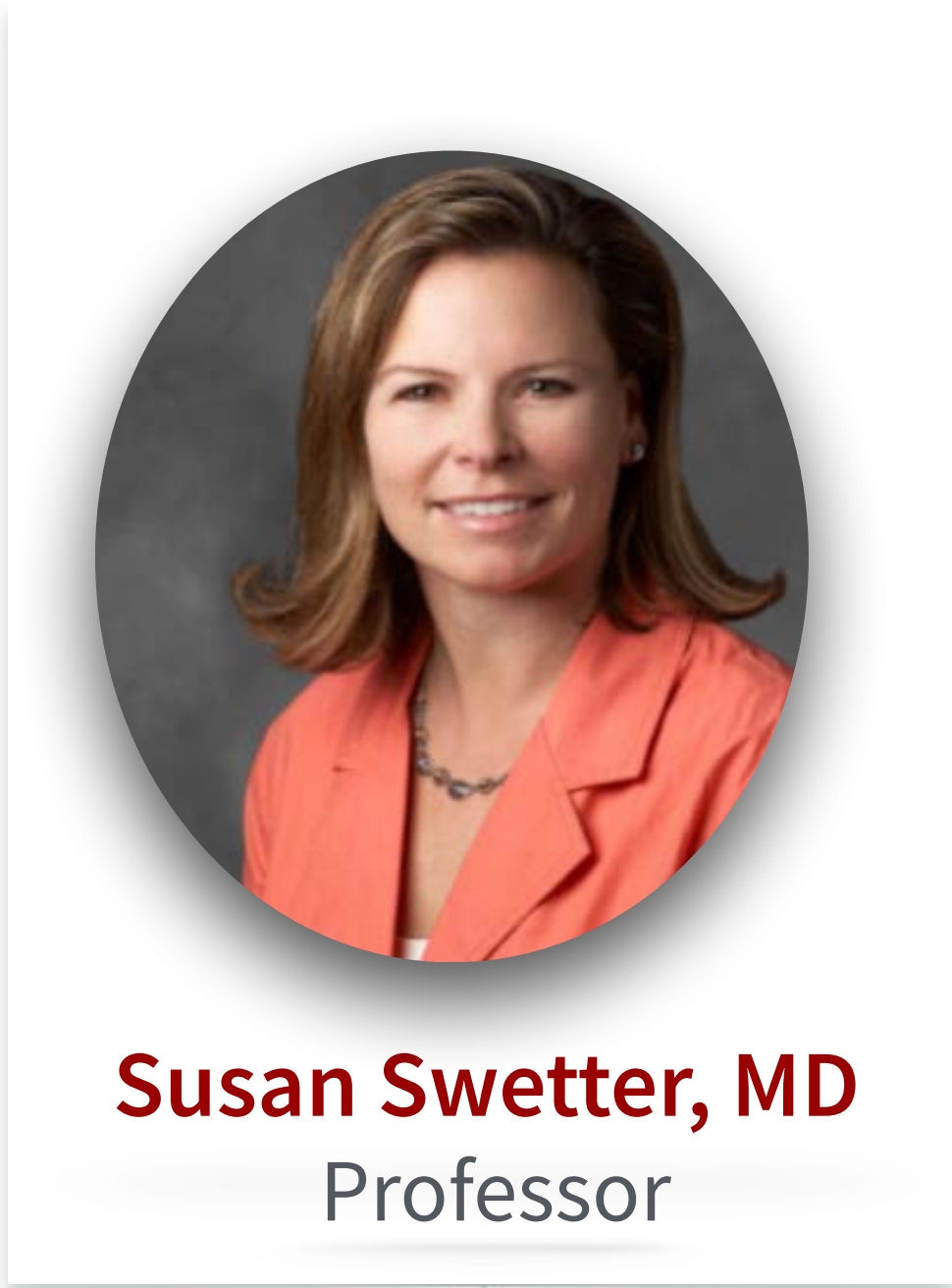
Current Residents

Dr. Ally Mina, PGY-4
Dr. Enamandram Monica, PGY-4
Dr. Ji Andrew, PGY-4
Dr. Kuo Karen, PGY-4
Dr. Nguyen-Lin Annie, PGY-4
Dr. Phillips Darci, PGY-4
Dr. Shaub Amanda, PGY-4
Dr. Sheu Sarah, PGY-4

Dr. Afanasiev Olga, PGY-3
Dr. Besen Justin, PGY-3
Dr. Danial Christina, PGY-3
Dr. Kim Grace, PGY-3
Dr. Lewellis Stephen, PGY-3
Dr. Soleymani Teo, PGY-3
Dr. Varadarajan Nisha, PGY-3
Dr. Wang Chen, PGY-3

Dr. Wang Jennifer, PGY-3
Dr. Bae Gordon, PGY-2
Dr. Beattie-Lanoue Julien, PGY-2
Dr. Daneshjou Roxana, PGY-2
Dr. Jaju Prajakta, PGY-2
Dr. Leatham Hayley, PGY-2
Dr. Ransohoff Katherine, PGY-2
Dr. Zhu Alex, PGY-2

Cutaneous Oncology – Skin Cancer Program



The Cutaneous Oncology Program at the Stanford Cancer Institute, led by Professor of Dermatology and Director of the Pigmented Lesion and Melanoma Program **Dr. Susan Swetter**, continues to lead in research and treatment of all skin cancer types, including melanoma and atypical melanocytic neoplasms (both adult and pediatric), high-risk and solid organ transplant-associated squamous cell carcinoma, advanced basal cell carcinoma, Merkel cell carcinoma and rarer cutaneous malignancies. Cutaneous Oncology skin cancer and Supportive Dermato-Oncology clinics are held in the Stanford Cancer Center in Palo Alto (900 Blake Wilbur, 3rd floor [BW-3]) and the Cancer Center South Bay (CCSB) in San Jose.

Ongoing Program Development and Community Outreach
Dr. **Kavita Sarin**, Assistant Professor of Dermatology, directs a Skin Cancer Genetic Clinic in BW-3 to evaluate and treat patients at high risk of skin cancer due to strong family history or positive genetic test results. This clinic provides diagnostic evaluation, genetic testing, preventive care, skin surveillance and education to at-risk patients, in conjunction with Stanford Cancer Genetics faculty and counselors. Patients include those with the p16/CDKN2A mutation associated with melanoma and pancreatic cancer, as well as inherited cancer syndromes such as Li-Fraumeni, familial melanoma and pancreatic cancer, BRCA1 and BRCA2, neurofibromatosis, and Lynch Syndrome.

Dr. **John Yost**, Clinical Assistant Professor of Dermatology directs a weekly Nail Disorders Clinic in BW-3, focused on treating nail-related side effects due to cancer therapy and improving diagnosis and treatment of skin cancers that arise within the nail unit, including melanoma. Conditions treated include paronychia and onychocryptosis (ingrown toenails) resulting from EGFR-inhibitor therapy, onycholysis associated with chemotherapeutic agents, secondary bacterial and fungal infections of the nail unit from therapy-related immunosuppression, and treatment and monitoring of longitudinal melanonychia and other neoplastic onychodystrophies.

Associate Professor of Otolaryngology (Head and Neck Surgery) Dr. **John Sunwoo** and Clinical Assistant Professor of Surgery Dr. **Dana Lin** specialize in sentinel lymph node biopsy and lymphadenectomy for head/neck and trunk/extremity melanomas and other skin cancers. They are exploring collaborative research opportunities for neoadjuvant therapy to pretreat aggressive melanoma with novel immunotherapy and targeted agents in collaboration with surgical oncologists nationwide.

Our busy **Supportive Dermato-Oncology (SDO)** clinics take place at BW-3 and CCSB. This unique service was developed by Stanford Clinical Associate Professor Dr. **Bernice Kwong** in 2012 to provide urgent, on-site dermatology evaluation of cutaneous complications related to cancer diagnosis and treatment, allowing for improved quality of life during therapy. The SDO program is run by Dr. Kwong and Clinical Assistant Professor of Dermatology Dr. **Silvina Pugliese** at BW-3, and by Dr. Martires at CCSB. Dr. Kwong is spearheading a new Dermatology-Oncology Consult Service (DOCS) to provide dedicated SDO services to cancer inpatients at Stanford Hospital, slated to begin in July 2018. As part of the SDO program, Dr. **Tyler Hollmig**, Clinical Assistant Professor of Dermatology/Dermatologic Surgery and Director of Laser and Aesthetic Dermatology is working with Stanford cancer patients to provide “aesthetic oncology” treatments related to prior or current cancer therapy, such as scar revision of port sites and removal of radiation-related telangiectasias or tattoos.

Cutaneous Oncology – Skin Cancer Program

In January 2017, a new **Photodynamic Therapy (PDT) Clinic** was launched in the Stanford Cancer Center in BW-3, to deliver treatment for patients at high risk for developing precancerous skin lesions and superficial skin cancers such as basal cell carcinoma (BCC), and to study new applications of PDT for conditions such as cutaneous metastasis. PDT services have now been expanded to CCSB as well.

Stanford Professor of Dermatology Dr. **Sumaira Aasi** continues to co-lead the **Nonmelanoma Skin Cancer Working Group**, along with Dr. **Vasu Divi**, Assistant Professor of Otolaryngology, Head and Neck Surgery. This multi-specialty” dry” tumor board includes Stanford faculty members in the departments of medical and surgical dermatology, dermatopathology, head and neck and plastic/reconstructive surgery, medical and radiation oncology. The Tumor Board examines optimal treatment for patients with advanced BCC, high-risk SCC, and other rare skin tumors, and promotes translational research to improve patient outcomes.

Drs. Hollmig and Aasi utilize state-of-the-art surgical techniques for melanoma in situ, lentigo maligna type, on cosmetically-sensitive areas, such as the face. The Mohs surgical approach is combined with real-time immunohistochemical stains (melan-A) for melanoma to allow for more precise intra-operative determination of peripheral tumor margins to preserve as much normal skin as possible.

Associate Professor of Dermatology Dr. **Anne Chang** works closely with Stanford medical and surgical oncology specialists to provide a weekly multidisciplinary Advanced Basal Cell Carcinoma (BCC) Clinic at BW-3. Dr. Chang also specializes in the treatment of high-risk squamous cell carcinoma (SCC) and other nonmelanoma skin cancers. Her clinics encompass the care of patients with complex and difficult-to-treat keratinocyte carcinomas (BCC and SCC) and have spearheaded progress in immune checkpoint blockade for locally advanced and metastatic tumors. Several research trials are enrolling for patients with advanced BCC and cutaneous SCC.

Clinical and Translational Research Highlights

• Viral oncolytic immunotherapy with Talimogene Laherparepvec (T-VEC)

This novel oncolytic immunotherapy is based on the herpes simplex virus and injected directly into cutaneous and nodal metastasis to induce viral lysis of melanoma cells, followed by stimulation of a tumor-specific immune response. The administration of T-VEC requires special handling and is available through the Stanford Cutaneous Oncology Program for appropriate patients, offering an exciting new approach to care.

• Novel approaches to uveal melanoma

A randomized, controlled phase 3 study is planned at Stanford for patients with ocular melanoma with liver metastasis, under the direction of Clinical Assistant Professor of Medicine-Oncology Dr. **Sunil Reddy** and Associate Professor of Ophthalmology and new Director of Ocular Oncology at the Byers Eye Institute, Dr. **Prithvi Mruthyunjaya**. This trial will evaluate the efficacy, safety, and pharmacokinetics of the chemotherapeutic agent melphalan with the Delcath Hepatic Delivery System (HDS) for uveal melanoma with hepatic metastasis. Dr. Mruthyunjaya brings valuable expertise to research and treatment of ocular melanoma, which has been poorly responsive to most therapies.

• Research Advances in Skin Cancer Diagnosis using Artificial Intelligence (AI)

Clinical Assistant Professor Dr. **Roberto Novoa**, Associate Professor **Dr. Justin Ko**, and Dr. Swetter partnered with Stanford Computer Science and Artificial Intelligence to design a computer algorithm that can detect keratinocyte carcinomas and melanoma and differentiate them from benign neoplasms with a high degree of accuracy. This novel technology was published in *Nature* as a proof of concept for the use of AI in dermatologic diagnosis, with further study in progress to validate the algorithm in clinical practice.



Happy Holidays!

Make a Difference

The Department of Dermatology is **committed to the highest level of patient care**, as well as the discovery and development of better treatments for dermatologic diseases. Your gift can help **advance scientific investigations** into dermatologic diseases. It can also help **prepare future leaders** in dermatology through support of our dermatology trainees. Gifts to the Department of Dermatology can be set up to support research in a variety of ways. Your gift can be established to support immediate research needs or to provide long-term support through the establishment of an endowment.

For More Information or to Discuss your Options, Please Contact Development:

Katharyn Israel, Senior Associate Director of Major Gifts

Medical Center Development

Phone: 541.961.7826

Email: katharynisrael@stanford.edu

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