

Stanford



Carolyn Lee, MD PhD

Assistant Professor of Dermatology

CLINICAL OFFICES

- **VA Palo Alto Health Care System Dept of Dermatology**

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Bio

BIO

A native of Queens, New York, Dr. Carolyn Lee joined the Stanford Dermatology faculty in September of 2015 as a specialist in the management of patients at a high risk for developing skin cancer. This year, she has been a featured presenter at both the Society for Investigative Dermatology Annual Meeting and the Gordon Research Conference on Epithelial Differentiation and Keratinization. Dr. Lee graduated with honors from Yale University in 1998 with a BS in Biology and received her MD and PhD from Georgetown University with a specialty in tumor biology in 2006. She completed her Dermatology residency at Stanford in 2010 and a Postdoctoral Fellowship in epithelial biology in the lab of Dr. Paul Khavari in June of 2015. Dr. Lee possesses a strong interest in understanding the mechanisms of high-risk non-melanoma skin cancer and is currently a member of Stanford's High-Risk Non-Melanoma Skin Cancer Working Group.

CLINICAL FOCUS

- Dermatology
- General Dermatology
- Skin cancer
- Cutaneous oncology
- Transplant Dermatology
- Squamous cell carcinoma
- Basal Cell Carcinoma

ACADEMIC APPOINTMENTS

- Assistant Professor, Dermatology
- Member, Bio-X

HONORS AND AWARDS

- Academic Research Award, Women's Dermatologic Society (2009)
- F32 Ruth L. Kirschstein National Research Service Award, National Institutes of Health (2010-2013)
- K08 Mentored Clinical Scientist Development Award, National Institutes of Health (2013-2018)

- Kimmel Scholar Award, Sidney Kimmel Foundation (2017-2019)
- Milstein Research Scholar Award in Melanoma/Non-Melanoma Skin Cancer, American Skin Association (2018)
- Clinical Scientist Development Award, Doris Duke Charitable Foundation (2018-2021)

PROFESSIONAL EDUCATION

- Residency: Stanford University Dermatology Residency (2010) CA
- Internship: Saint Joseph Mercy Ann Arbor Transitional Year Pgm (2007) MI
- Medical Education: Georgetown University School of Medicine Registrar (2006) DC
- Board Certification: Dermatology, American Board of Dermatology (2010)
- Bachelor of Science, Yale University, Biology , CT (1998)

LINKS

- Lee Lab: <http://leelab.stanford.edu>

Research & Scholarship

CLINICAL TRIALS

- Analysis of Cutaneous and Hematologic Disorders by High-Throughput Nucleic Acid Sequencing, Not Recruiting

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Cristina Tommasi

Postdoctoral Research Mentor

Cristina Tommasi

Publications

PUBLICATIONS

- **PD-L1 Expression and Tumor-Infiltrating Lymphocytes in High-Risk and Metastatic Cutaneous Squamous Cell Carcinoma.** *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*
Amoils, M., Kim, J., Lee, C., Sunwoo, J. B., Colevas, A. D., Aasi, S. Z., Hollmig, S. T., Ma, Y., Divi, A. V.
2018; 194599818788057
- **Cancer-Associated Long Noncoding RNA SMRT-2 Controls Epidermal Differentiation** *JOURNAL OF INVESTIGATIVE DERMATOLOGY*
Lee, C. S., Mah, A., Aros, C. J., Lopez-Pajares, V., Bhaduri, A., Webster, D. E., Kretz, M., Khavari, P. A.
2018; 138 (6): 1445-49
- **Node-positive cutaneous squamous cell carcinoma of the head and neck: Survival, high-risk features, and adjuvant chemoradiotherapy outcomes.** *Head & neck*
Amoils, M., Lee, C. S., Sunwoo, J., Aasi, S. Z., Hara, W., Kim, J., Sirjani, D., Colevas, A. D., Chang, A. L., Divi, V.
2017
- **Skin Cancer Prevention and Treatment in Solid Organ Transplant Patients: A Survey of the International Transplant Skin Cancer Collaborative.** *Dermatologic surgery*
Wang, A., Chan, A., Aasi, S., Lee, C., Krathen, M.
2016; 42 (5): 682-683
- **Genomic analysis of mycosis fungoides and Sézary syndrome identifies recurrent alterations in TNFR2.** *Nature genetics*

- Ungewickell, A., Bhaduri, A., Rios, E., Reuter, J., Lee, C. S., Mah, A., Zehnder, A., Ohgami, R., Kulkarni, S., Armstrong, R., Weng, W., Gratzinger, D., Tavallae, et al
2015; 47 (9): 1056-1060
- **Genomic analysis of mycosis fungoides and Sezary syndrome identifies recurrent alterations in TNFR2** *NATURE GENETICS*
Ungewickell, A., Bhaduri, A., Rios, E., Reuter, J., Lee, C. S., Mah, A., Zehnder, A., Ohgami, R., Kulkarni, S., Armstrong, R., Weng, W., Gratzinger, D., Tavallae, et al
2015; 47 (9): 1056-?
 - **Recurrent point mutations in the kinetochore gene KNSTRN in cutaneous squamous cell carcinoma** *NATURE GENETICS*
Lee, C. S., Bhaduri, A., Mah, A., Johnson, W. L., Ungewickell, A., Aros, C. J., Nguyen, C. B., Rios, E. J., Siprashvili, Z., Straight, A., Kim, J., Aasi, S. Z., Khavari, et al
2014; 46 (10): 1060-1062
 - **Recurrent point mutations in the kinetochore gene KNSTRN in cutaneous squamous cell carcinoma.** *Nature genetics*
Lee, C. S., Bhaduri, A., Mah, A., Johnson, W. L., Ungewickell, A., Aros, C. J., Nguyen, C. B., Rios, E. J., Siprashvili, Z., Straight, A., Kim, J., Aasi, S. Z., Khavari, et al
2014; 46 (10): 1060-1062
 - **Control of somatic tissue differentiation by the long non-coding RNA TINCR.** *Nature*
Kretz, M., Siprashvili, Z., Chu, C., Webster, D. E., Zehnder, A., Qu, K., Lee, C. S., Flockhart, R. J., Groff, A. F., Chow, J., Johnston, D., Kim, G. E., Spitale, et al
2013; 493 (7431): 231-235
 - **Control of somatic tissue differentiation by the long non-coding RNA TINCR** *NATURE*
Kretz, M., Siprashvili, Z., Chu, C., Webster, D. E., Zehnder, A., Qu, K., Lee, C. S., Flockhart, R. J., Groff, A. F., Chow, J., Johnston, D., Kim, G. E., Spitale, et al
2013; 493 (7431): 231-U245
 - **Transcriptome sequencing in Sezary syndrome identifies Sezary cell and mycosis fungoides-associated lncRNAs and novel transcripts** *BLOOD*
Lee, C. S., Ungewickell, A., Bhaduri, A., Qu, K., Webster, D. E., Armstrong, R., Weng, W., Aros, C. J., Mah, A., Chen, R. O., Lin, M., Sundram, U., Chang, et al
2012; 120 (16): 3288-3297
 - **Rapid identification of non-human sequences in high-throughput sequencing datasets** *BIOINFORMATICS*
Bhaduri, A., Qu, K., Lee, C. S., Ungewickell, A., Khavari, P. A.
2012; 28 (8): 1174-1175
 - **Suppression of progenitor differentiation requires the long noncoding RNA ANCR** *GENES & DEVELOPMENT*
Kretz, M., Webster, D. E., Flockhart, R. J., Lee, C. S., Zehnder, A., Lopez-Pajares, V., Qu, K., Zheng, G. X., Chow, J., Kim, G. E., Rinn, J. L., Chang, H. Y., Siprashvili, et al
2012; 26 (4): 338-343
 - **Adoption of Western Culture by Californian Asian Americans Attitudes and Practices Promoting Sun Exposure** *International Investigative Dermatology Meeting*
Gorell, E., Lee, C., Munoz, C., Chang, A. L.
AMER MEDICAL ASSOC.2009: 552-56
 - **Expression of cyclooxygenase-2 and peroxisome proliferator-activated receptor gamma during malignant melanoma progression** *JOURNAL OF CUTANEOUS PATHOLOGY*
Lee, C., Ramirez, J. A., Guitart, J., Diaz, L. K.
2008; 35 (11): 989-994