

Stanford



Kavita Sarin, MD, PhD

Associate Professor of Dermatology

CLINICAL OFFICES

- **Stanford Primary Care Portola Valley**

3240 Alpine Rd

Portola Valley, CA 94028

Tel (650) 723-6316 **Fax** (650) 736-0647

- **Dermatology North Campus**

450 Broadway St

Pavilion C 2nd Fl MC 5334

Redwood City, CA 94063

Tel (650) 723-6316 **Fax** (650) 725-3476

ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Averley Mayo - Administrative Assistant

Email amayo@stanford.edu

Bio

BIO

Kavita Sarin, M.D./Ph.D., is an Associate Professor of Dermatology and is the Director of the Stanford Skin Cancer Genetics Program at the Stanford Cancer Institute. She has an academic interest in Precision Medicine, focused on the integration of genetic and clinical patient data to inform susceptibility, prognosis, and treatments in skin cancer and other rare dermatologic disorders. Her lab applies cutting-edge sequencing and imaging technologies to better understand skin cancer and rare immunologic skin diseases. She sees patients in medical dermatology at Portola Valley and the Stanford Cancer Institute

CLINICAL FOCUS

- Dermatology
- Bioinformatics
- Basal Cell Carcinoma
- Precision Dermatology
- Skin Cancers
- Genetic Skin Disease
- hidradenitis
- Neurofibromatosis Type 1

ACADEMIC APPOINTMENTS

- Associate Professor - University Medical Line, Dermatology
- Member, Bio-X

- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute

HONORS AND AWARDS

- Damon Runyon Clinical Investigator Award, Damon Runyon (2019-2022)
- Department of Dermatology Letter of Teaching Distinction, Stanford University (2019-2020)
- K23 NCI Career Development Award, National Institutes of Health (2017-2022)
- Medical Dermatology Career Development Award, Dermatology Foundation (2014-2017)
- F32 NRSA Ruth L. Kirschstein National Research Service Award, National Institutes of Health (2013-2014)
- Translational Research and Medicine Award, Stanford University (2013-2014)
- Medical Scientist Training Program Scholarship, National Institutes of Health (2000-2008)
- President's Scholar, Stanford University (1996-2000)
- Unsung Hero Award, NBC (1996)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, Stanford Center for Population Health Sciences (2015 - present)
- Member, Stanford Cancer Institute (2015 - present)
- Member, American Society for Human Genetics (2019 - present)
- Member, Children's Health Research Institute (2017 - present)
- Fellow, American Academy of Dermatology (2009 - present)
- Member, Society of Investigative Dermatology (2014 - present)

PROFESSIONAL EDUCATION

- Internship: Santa Clara Valley Medical Center Dept of Medicine (2009) CA
- Residency: Stanford University Dept of Dermatology (2012) CA
- Board Certification: Dermatology, American Board of Dermatology (2012)
- Medical Education: Stanford University Medical Center (2008) CA
- PhD, Stanford University- Dept of Genetics , CA (2006)
- BS, Stanford University- Computer Science , CA (2000)

LINKS

- Kavita Sarin Lab: <https://www.sarinlab.com>
- How to use big data to treat and manage diseases: <http://dermatologytimes.modernmedicine.com/dermatology-times/news/how-use-big-data-treat-and-manage-diseases>
- Behind method for activating adult stem cells, a shaggy-mouse story: <http://news.stanford.edu/news/2005/august24/mice-082405.html>
- Is telomerase moonlighting?: <http://www.the-scientist.com/?articles.view/articleNo/16711/title/Is-telomerase-moonlighting-#.VtPX0RCxO3s.mailto>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research encompasses two main areas: 1) Using next-generation RNA, whole genome, and exome sequencing, we are investigating the genetic alterations involved in skin cancer progression, response to therapy, and other clinical outcomes and 2) We are developing and implementing genome-wide genetic risk prediction assessments for skin cancer into clinical use and studying the impact of this information on patient care.

CLINICAL TRIALS

- Computational Drug Repurposing for All EBS Cases, Recruiting

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

Victoria Harbour, Justin Jia, Caroline Yao

Postdoctoral Faculty Sponsor

Audris Chiang

Publications

PUBLICATIONS

- **Dermatology Advances Into an Era of Precision Medicine.** *JAMA dermatology*
Wang, J. Y., Sarin, K. Y.
2021
- **Ways to Improve Care for LGBT Patients in Dermatology Clinics.** *Dermatologic clinics*
Jia, J. L., Polin, D. J., Sarin, K. Y.
2020; 38 (2): 269–76
- **Genome-wide meta-analysis identifies eight new susceptibility loci for cutaneous squamous cell carcinoma.** *Nature communications*
Sarin, K. Y., Lin, Y. n., Daneshjou, R. n., Ziyatdinov, A. n., Thorleifsson, G. n., Rubin, A. n., Pardo, L. M., Wu, W. n., Khavari, P. A., Uitterlinden, A. n., Nijsten, T. n., Toland, A. E., Olafsson, et al
2020; 11 (1): 820
- **Phenotypic heterogeneity of neurofibromatosis type 1 in a large international registry.** *JCI insight*
Tabata, M. M., Li, S. n., Knight, P. n., Bakker, A. n., Sarin, K. Y.
2020; 5 (16)
- **Genetic mutations underlying phenotypic plasticity in basosquamous carcinoma** *Journal of Investigative Dermatology*
Chiang, A., Tan, C. Z., Kuonen, F., Hodgkinson, L. M., Chiang, F., Cho, R. J., South, A. P., Tang, J. Y., Chang, A. L., Rieger, K. E., Oro, A. E., Sarin, K. Y.
2019
- **Identification of Atorvastatin for Moderate to Severe Hidradenitis through Drug Repositioning Using Public Gene Expression Datasets** *JOURNAL OF INVESTIGATIVE DERMATOLOGY*
Kuo, K. Y., Cho, H., Sarin, K. Y.
2018; 138 (5): 1209–12
- **Detecting Chemotherapeutic Skin Adverse Reactions in Social Health Networks Using Deep Learning.** *JAMA oncology*
Ransohoff, J. D., Nikfarjam, A. n., Jones, E. n., Loew, B. n., Kwong, B. Y., Sarin, K. Y., Shah, N. H.
2018; 4 (4): 581–83
- **Postzygotic Mutations in Beta-Actin are Associated with Becker's Nevus and Becker's Nevus Syndrome.** *journal of investigative dermatology*
Cai, E. D., Sun, B. K., Chiang, A., Rogers, A., Bernet, L., Cheng, B., Teng, J., Rieger, K. E., Sarin, K. Y.
2017
- **Two-stage genome-wide association study identifies a novel susceptibility locus associated with melanoma.** *Oncotarget*
Ransohoff, K. J., Wu, W., Cho, H. G., Chahal, H. C., Lin, Y., Dai, H., Amos, C. I., Lee, J. E., Tang, J. Y., Hinds, D. A., Han, J., Wei, Q., Sarin, et al
2017
- **Genomic Stability in Syndromic Basal Cell Carcinoma.** *The Journal of investigative dermatology*
Chiang, A. n., Jaju, P. D., Batra, P. n., Rezaee, M. n., Epstein, E. H., Tang, J. Y., Sarin, K. Y.
2017

- **Identification of Alpha-Adrenergic Agonists as Potential Therapeutic Agents for Dermatomyositis through Drug-Repurposing Using Public Expression Datasets.** *journal of investigative dermatology*
Cho, H. G., Fiorentino, D., Lewis, M., Sirota, M., Sarin, K. Y.
2016; 136 (7): 1517-1520
- **Genome-wide association study identifies 14 novel risk alleles associated with basal cell carcinoma.** *Nature communications*
Chahal, H. S., Wu, W., Ransohoff, K. J., Yang, L., Hedlin, H., Desai, M., Lin, Y., Dai, H., Qureshi, A. A., Li, W., Kraft, P., Hinds, D. A., Tang, et al
2016; 7: 12510-?
- **Genome-wide association study identifies novel susceptibility loci for cutaneous squamous cell carcinoma.** *Nature communications*
Chahal, H. S., Lin, Y., Ransohoff, K. J., Hinds, D. A., Wu, W., Dai, H., Qureshi, A. A., Li, W., Kraft, P., Tang, J. Y., Han, J., Sarin, K. Y.
2016; 7: 12048-?
- **Mutations in the Kinetochore Gene KNSTRN in Basal Cell Carcinoma.** *journal of investigative dermatology*
Jaju, P. D., Nguyen, C. B., Mah, A. M., Atwood, S. X., Li, J., Zia, A., Chang, A. L., Oro, A. E., Tang, J. Y., Lee, C. S., Sarin, K. Y.
2015; 135 (12): 3197-3200
- **Squamous Change in Basal-Cell Carcinoma with Drug Resistance** *NEW ENGLAND JOURNAL OF MEDICINE*
Ransohoff, K. J., Tang, J. Y., Sarin, K. Y.
2015; 373 (11): 1079-1082
- **Smoothed variants explain the majority of drug resistance in Basal cell carcinoma.** *Cancer cell*
Atwood, S. X., Sarin, K. Y., Whitson, R. J., Li, J. R., Kim, G., Rezaee, M., Ally, M. S., Kim, J., Yao, C., Chang, A. L., Oro, A. E., Tang, J. Y.
2015; 27 (3): 342-353
- **A core outcome domain set to assess cutaneous neurofibromas related to neurofibromatosis type 1 in clinical trials.** *The British journal of dermatology*
Fertitta, L., Bergqvist, C., Sarin, K., Plotkin, S. R., Moertel, C., Petersen, A. J., Cannon, A., Berman, Y., Pichard, D. C., Röhl, C., Lessing, A., Brizion, B., Peiffer, et al
2023
- **Development of a MEK inhibitor, NFX-179, as a chemoprevention agent for squamous cell carcinoma.** *Science translational medicine*
Sarin, K. Y., Kincaid, J., Sell, B., Shahryari, J., Duncton, M. A., Morefield, E., Sun, W., Prieto, K., Chavez-Chiang, O., de Moran Segura, C., Nguyen, J., Bronson, R. T., Plotkin, et al
2023; 15 (717): eade1844
- **Development of a digital tool for home-based monitoring of skin disease for older adults.** *Skin health and disease*
van Egmond, S., Cai, Z. R., Nava, V., Joy de Vere Hunt, I., Rapaport, B. R., Ko, J., Chiou, A. S., Sarin, K., Tang, J., Zhang, L., Linos, E.
2023; 3 (5): e235
- **Hidradenitis suppurativa and Ehlers-Danlos syndrome: A case-control study.** *JAAD international*
Hua, V. J., Li, S., Sarin, K. Y., Aleshin, M.
2023; 12: 70-71
- **Cross-comparison of inflammatory skin disease transcriptomics identifies PTEN as a pathogenic disease classifier in cutaneous lupus erythematosus.** *The Journal of investigative dermatology*
Aevermann, B. D., Di Domizio, J., Olah, P., Saidoune, F., Armstrong, J. M., Bachelez, H., Barker, J., Haniffa, M., Julia, V., Juul, K., Krishnaswamy, J. K., Litman, T., Parsons, et al
2023
- **A Call for Discovery and Therapeutic Development for Cutaneous Neurofibromas.** *The Journal of investigative dermatology*
Blakeley, J. O., Le, L. Q., Lee, S. Y., Ly, I., Rhodes, S. D., Romo, C. G., Sarin, K. Y., Staedtke, V., Steensma, M. R., Wolkenstein, P.
2023
- **Advances in cutaneous squamous cell carcinoma.** *Nature reviews. Cancer*
Winge, M. C., Kellman, L. N., Guo, K., Tang, J. Y., Swetter, S. M., Aasi, S. Z., Sarin, K. Y., Chang, A. L., Khavari, P. A.
2023
- **Perspectives of adolescents with neurofibromatosis 1 and cutaneous neurofibromas: Implications for clinical trials.** *Clinical trials (London, England)*
Cannon, A., Sarin, K. Y., Petersen, A. K., Pichard, D. C., Wolters, P. L., Erickson, G., Lessing, A. J., Li, P., Rohl, C., Rosser, T., Widemann, B. C., Blakeley, J. O., Plotkin, et al

2023: 17407745231178839

- **RAS Signaling Gone Awry in the Skin: The Complex Role of RAS in Cutaneous Neurofibroma Pathogenesis, Emerging Biological Insights.** *The Journal of investigative dermatology*
Rhodes, S. D., McCormick, F., Cagan, R. L., Bakker, A., Staedtke, V., Ly, I., Steensma, M. R., Lee, S. Y., Romo, C. G., Blakeley, J. O., Sarin, K. Y.
2023
- **cNF-Skindex in adults living with Neurofibromatosis 1: severity strata in France and validation in US adults.** *The Journal of investigative dermatology*
Fertitta, L., Sarin, K. Y., Bergqvist, C., Patel, E., Peiffer, B., Moryousef, S., Armand, M., Jannic, A., Ferkal, S., Ravaut, P., Tran, V., Blakeley, J. O., Romo, et al
2023
- **The type 1 interferon signature reflects multiple phenotypic and activity measures in dermatomyositis.** *Arthritis & rheumatology (Hoboken, N.J.)*
Tabata, M. M., Hodgkinson, L. M., Wu, T. T., Li, S., Huard, C., Zhao, S., Bennett, D., Johnson, J., Tierney, C., He, W., Buhlmann, J. E., Page, K. M., Johnson, et al
2023
- **Association of multiple primary melanomas with malignancy risk: A population-based analysis of entries from the Surveillance, Epidemiology, and End Results program database during 1973-2014** *JOURNAL OF THE AMERICAN ACADEMY OF DERMATOLOGY*
Cai, E. D., Swetter, S. M., Sarin, K. Y.
2023; 88 (5): e211-e219
- **Modulation of Inflammatory Proteins in Serum May Reflect Cutaneous Immune Responses in Cancer Immunotherapy.** *JID innovations : skin science from molecules to population health*
Han, J., Correa da Rosa, J., Agarwal, A., Owji, S., Yassky, D., Luu, Y., Shah, A., Estrada, Y., Ungar, J., Sarin, K. Y., Krueger, J. G., Gulati, N.
2023; 3 (2): 100179
- **Prevalence of allergic contact dermatitis following patch testing in patients with atopic dermatitis: a retrospective United States claims-based study.** *Journal of the American Academy of Dermatology*
Qian, M. F., Li, S., Honari, G., Sarin, K. Y., Chen, J. K.
2023
- **Rapid Cellular-Resolution Skin Imaging with Optical Coherence Tomography Using All-Glass Multifocal Metasurfaces.** *ACS nano*
Zhao, J., Van Vleck, A., Winetraub, Y., Du, L., Han, Y., Aasi, S., Sarin, K. Y., de la Zerda, A.
2023
- **LY6D marks pre-existing resistant basosquamous tumor subpopulations.** *Nature communications*
Haensel, D., Gaddam, S., Li, N. Y., Gonzalez, F., Patel, T., Cloutier, J. M., Sarin, K. Y., Tang, J. Y., Rieger, K. E., Aasi, S. Z., Oro, A. E.
2022; 13 (1): 7520
- **Development of a novel MEK inhibitor, NFX-179, as a chemoprevention agent for squamous cell carcinoma.**
Sarin, K. Y., Kincaid, J., Sell, B., Shahryari, J., Duncton, M. J., Morefield, E., Sun, W., Chavez-Chiang, O., Plotkin, S. R., Kochendoerfer, G. G., Fenn, P., Powala, C., Tsai, et al
AMER ASSOC CANCER RESEARCH.2022
- **Sociodemographic disparities in patch testing for commercially insured patients with dermatitis: A retrospective analysis of administrative claims data** *JOURNAL OF THE AMERICAN ACADEMY OF DERMATOLOGY*
Qian, M. F., Li, S., Honari, G., Sarin, K. Y., Chen, J. K.
2022; 87 (6): 1411-1413
- **Development of a novel MEK inhibitor, NFX-179, as a chemoprevention agent for squamous cell carcinoma**
Sarin, K. Y., Kincaid, J., Sell, B., Shahryari, J., Duncton, M. J., Morefield, E., Sun, W., Chavez-Chiang, O., Plotkin, S. R., Kochendoerfer, G. G., Fenn, P., Powala, C., Tsai, et al
AMER ASSOC CANCER RESEARCH.2022
- **ERK2 MAP kinase regulates SUFU binding by multisite phosphorylation of GLI1.** *Life science alliance*
Bardwell, A. J., Wu, B., Sarin, K. Y., Waterman, M. L., Atwood, S. X., Bardwell, L.
2022; 5 (11)
- **Assessment of Comorbidities Associated With Allergic Contact Dermatitis in the United States: A Retrospective Claims-Based Study.** *Dermatitis : contact, atopic, occupational, drug*
Hua, V. J., Li, S., Qian, M. F., Honari, G., Sarin, K. Y., Chen, J. K.
2022

- **C5a and C5aR is prominently associated with tunnels in severe hidradenitis suppurativa**
Li, C., Dunlap, C., Zhao, B., Kilgour, J., Ebsworth, K., Staehr, P., Charo, I., Schall, T., Sarin, K., Sullivan, K.
MOSBY-ELSEVIER.2022: AB147
- **Sociodemographic disparities in patch testing for commercially insured dermatitis patients: a retrospective analysis of administrative claims data.** *Journal of the American Academy of Dermatology*
Qian, M. F., Li, S., Honari, G., Sarin, K. Y., Chen, J. K.
2022
- **Neurofibromatosis Type 1 and Risk of Skin Cancer.** *JAMA dermatology*
Trinh, P., Li, S., Sarin, K. Y.
2022
- **Flexible method for generating needle-shaped beams and its application in optical coherence tomography.** *Optica*
Zhao, J., Winetraub, Y., DU, L., VAN Vleck, A., Ichimura, K., Huang, C., AASI, S. Z., Sarin, K. Y., DE LA Zerda, A.
2022; 9 (8): 859-867
- **Tuberous sclerosis and risk of skin cancer: a nationwide cohort study in the United States.** *Journal of the American Academy of Dermatology*
Trinh, P., Li, S., Sarin, K. Y.
2022
- **Single-cell analysis of human basal cell carcinoma reveals novel regulators of tumor growth and the tumor microenvironment.** *Science advances*
Guerrero-Juarez, C. F., Lee, G. H., Liu, Y., Wang, S., Karikomi, M., Sha, Y., Chow, R. Y., Nguyen, T. T., Iglesias, V. S., Aasi, S., Drummond, M. L., Nie, Q., Sarin, et al
2022; 8 (23): eabm7981
- **Development of a Core Outcome Set for Basal Cell Carcinoma (BCC), Including Low-Risk and Advanced Tumors.** *Journal of the American Academy of Dermatology*
Schlessinger, D. I., Reynolds, K. A., Dirr, M. A., Ibrahim, S. A., Yanes, A. F., Lazaroff, J. M., Godinez-Puig, V., Chen, B. R., Kurta, A. O., Cotseones, J. K., Chiren, S. G., Furlan, K. C., Iyengar, et al
2022
- **Partnering with a senior living community to optimize teledermatology via full body skin screening during the COVID-19 pandemic: a pilot program** *Skin Health and Disease*
Trinh, P., Yekrang, K., Phung, M., Pugliese, S., Chang, A., Bailey, E., Ko, J., Sarin, K.
2022
- **Flexible method for generating needle-shaped beams and its application in optical coherence tomography** *Optica*
Zhao, J., Winetraub, Y., Du, L., Vleck, A. V., Ichimura, K., Huang, C., Aasi, S. Z., Sarin, K. Y., de la Zerda, A.
2022; 9 (8): 859-867
- **Treatment of Cutaneous Squamous Cell Carcinoma With the Topical Histone Deacetylase Inhibitor Remetinostat.** *JAMA dermatology*
Kilgour, J. M., Shah, A., Eichstadt, S., Bailey, I., Aasi, S. Z., Sarin, K. Y.
2021
- **Characterization of comorbidity heterogeneity among 13,667 patients with hidradenitis suppurativa.** *JCI insight*
Hua, V. J., Kilgour, J. M., Cho, H. G., Li, S., Sarin, K. Y.
2021
- **Transcriptomic Repositioning Analysis Identifies mTOR Inhibitor as Potential Therapy for Epidermolysis Bullosa Simplex.** *The Journal of investigative dermatology*
Lee, G. H., Lekwuttikarn, R., Tafoya, E., Martin, M., Sarin, K. Y., Teng, J. M.
2021
- **Phase II Open-Label, Single-Arm Trial to Investigate the Efficacy and Safety of Topical Remetinostat Gel in Patients with Basal Cell Carcinoma.** *Clinical cancer research : an official journal of the American Association for Cancer Research*
Kilgour, J. M., Shah, A., Urman, N. M., Eichstadt, S., Do, H. N., Bailey, I., Mirza, A., Li, S., Oro, A. E., Aasi, S. Z., Sarin, K. Y.
2021
- **Review of the Molecular Genetics of Basal Cell Carcinoma; Inherited Susceptibility, Somatic Mutations, and Targeted Therapeutics.** *Cancers*
Kilgour, J. M., Jia, J. L., Sarin, K. Y.

2021; 13 (15)

- **Status and Recommendations for Incorporating Biomarkers for Cutaneous Neurofibromas into Clinical Research.** *Neurology*
Wallis, D., Stemmer-Rachamimov, A., Adsit, S., Korf, B., Pichard, D., Blakeley, J., Sarin, K. Y., REiNS International Collaboration
2021
- **Hidradenitis suppurativa in patients of color is associated with increased disease severity and healthcare utilization: A retrospective analysis of 2 U.S. cohorts.** *JAAD international*
Kilgour, J. M., Li, S., Sarin, K. Y.
2021; 3: 42-52
- **Automated detection of skin reactions in epicutaneous patch testing using machine learning.** *The British journal of dermatology*
Chan, W. H., Srivastava, R., Damaraju, N., Do, H., Burnett, G., MacFarlane, J., Xie, S. M., Chen, J. K., Honari, G., Sarin, K. Y.
2021
- **Loss-of-Function Variants in the Tumor Suppressor Gene PTPN14 confer increased Cancer Risk.** *Cancer research*
Olafsdottir, T. n., Stacey, S. N., Sveinbjornsson, G. n., Thorleifsson, G. n., Norland, K. n., Sigurgeirsson, B. n., Thorisdottir, K. n., Kristjansson, A. K., Tryggvadottir, L. n., Sarin, K. Y., Benediktsson, R. n., Jonasson, J. G., Sigurdsson, et al
2021
- **Prevalence of Potentially Allergenic Ingredients in Products Labeled for Eczema Care.** *Journal of the American Academy of Dermatology*
Schwartz, B. L., Honari, G., Chiou, A. S., Ko, J., Sarin, K. Y., Chen, J. K.
2021
- **Journal attitudes and outcomes of preprints in dermatology.** *The British journal of dermatology*
Jia, J. L., Hua, V. J., Mills, D. E., Sarin, K. Y.
2021
- **Direct-to-Consumer Genetic Risk Scoring for Melanoma Improves Adherence to Sun-Protective Behaviors Among Increased-Risk Groups: Results from a Prospective U.S. Cohort Study.** *Journal of the American Academy of Dermatology*
Hu, X. n., Kilgour, J. M., Fogel, A. L., Jia, J. L., Jaju, P. D., Tang, J. Y., Sarin, K. Y.
2021
- **Crowdfunding for the treatment of cutaneous malignancies: Trends, correlates, and money raised**
Jia, J. L., Mills, D., Sarin, K. Y.
MOSBY-ELSEVIER.2020: AB107
- **Sexual and Gender Minority Curricula Within US Dermatology Residency Programs.** *JAMA dermatology*
Jia, J. L., Nord, K. M., Sarin, K. Y., Linos, E., Bailey, E. E.
2020
- **Angular compounding for speckle reduction in optical coherence tomography using geometric image registration algorithm and digital focusing.** *Scientific reports*
Zhao, J., Winetraub, Y., Yuan, E., Chan, W. H., Aasi, S. Z., Sarin, K. Y., Zohar, O., de la Zerda, A.
2020; 10 (1): 1893
- **AP-1 and TGFSS cooperativity drives non-canonical Hedgehog signaling in resistant basal cell carcinoma.** *Nature communications*
Yao, C. D., Haensel, D., Gaddam, S., Patel, T., Atwood, S. X., Sarin, K. Y., Whitson, R. J., McKellar, S., Shankar, G., Aasi, S., Rieger, K., Oro, A. E.
2020; 11 (1): 5079
- **Patient Crowdfunding for the Treatment of Cutaneous Malignancies.** *Dermatologic surgery : official publication for American Society for Dermatologic Surgery [et al.]*
Jia, J. L., Mills, D. E., Urman, N. M., Sarin, K. Y.
2020
- **A phase 2 double-blinded, placebo-controlled trial of toll-like receptor 7,8,9 antagonist, IMO-8400, in dermatomyositis.** *Journal of the American Academy of Dermatology*
Kim, Y. J., Schioppa, E. n., Dankó, K. n., Mozaffar, T. n., Chunduru, S. n., Lees, K. n., Goyal, N. n., Sarazin, J. n., Fiorentino, D. F., Sarin, K. Y.
2020
- **Prevalence and risk factors for high frequency basal cell carcinoma in the United States.** *Journal of the American Academy of Dermatology*

- Chiang, A. n., Solis, D. C., Rogers, H. n., Sohn, G. K., Cho, H. G., Saldanha, G. n., Lapidus, D. n., Li, S. n., Sarin, K. Y., Tang, J. Y.
2020
- **Fitzpatrick Phototype Disparities in Identification of Cutaneous Malignancies by Google Reverse Image.** *Journal of the American Academy of Dermatology*
Jia, J. L., Wang, J. Y., Mills, D. E., Shen, A. n., Sarin, K. Y.
2020
 - **Gamification improves melanoma visual identification among high school students: Results from a randomized study.** *Pediatric dermatology*
Jia, J. L., Shen, A. n., Tabata, M. M., Sarin, K. Y.
2020
 - **From Clinical Phenotype to Genotypic Modelling: Incidence and Prevalence of Recessive Dystrophic Epidermolysis Bullosa (RDEB).** *Clinical, cosmetic and investigational dermatology*
Eichstadt, S., Tang, J. Y., Solis, D. C., Siprashvili, Z., Marinkovich, M. P., Whitehead, N., Schu, M., Fang, F., Erickson, S. W., Ritchey, M. E., Colao, M., Spratt, K., Shaygan, et al
2019; 12: 933-942
 - **A phase 1b, open-label, investigator-initiated, proof-of-concept study of pembrolizumab for advanced basal cell carcinomas**
Chang, A., Duy Tran, Cannon, J., Li, S., Jeng, M., Rieger, K., Reddy, S., Sarin, K., Colevas, D.
MOSBY-ELSEVIER.2019: AB8
 - **Hyperhidrosis affects quality of life in hidradenitis suppurativa: a prospective analysis.** *Journal of the American Academy of Dermatology*
Hua, V. J., Kuo, K. Y., Cho, H. G., Sarin, K. Y.
2019
 - **Response to Clarifying the Current Understanding of Syndromic Basal Cell Carcinomas.** *The Journal of investigative dermatology*
Chiang, A., Batra, P., Sarin, K. Y.
2019
 - **Loss of Primary Cilia Drives Switching from Hedgehog to Ras/MAPK Pathway in Resistant Basal Cell Carcinoma** *JOURNAL OF INVESTIGATIVE DERMATOLOGY*
Kuonen, F., Huskey, N. E., Shankar, G., Jaju, P., Whitson, R. J., Rieger, K. E., Atwood, S. X., Sarin, K. Y., Oro, A. E.
2019; 139 (7): 1439-48
 - **Biomarker discovery analysis: Alterations in p14, p16, p53, and BAP1 expression in nevi, cutaneous melanoma, and metastatic melanoma** *PIGMENT CELL & MELANOMA RESEARCH*
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PRESENTATIONS

- Pre-empting cancer: the role of genetics in prediction and prevention - Tufts School of Medicine Grand Rounds Virtual Event (September 2021)
- Development of a topical Mek inhibitor gel for the treatment of cutaneous neurofibroma - 2020 European Neurofibromatosis Virtual Conference (12/2020)
- Trial Development of topical MEK Inhibitor, NFX-179, for the treatment of cutaneous neurofibromas in Neurofibromatosis Type 1. - Children's Tumor Foundation 2020 Virtual NF Conference (6/2020)
- Chinks in the armour: skin cancer as a paradigm for understanding oncogenesis? - UCI Skin Biology Resource Center Distinguished Speaker Series (11/2019)
- Challenges and strategies towards investigating mosaicism in children and adults - London International Mosaicism Symposium (11/2019)
- Protect Your Skin This Summer - Stanford University (August 27, 2014)
- Prevent Defense: Practical Preventative Applications for Primary Care Physicians - A Panel Discussion - Levi's Stadium sponsored by Stanford Health Care (September 14, 2014)