Stanford



Anne Lynn S. Chang, MD

Professor of Dermatology

CLINICAL OFFICE (PRIMARY)

- **Medical Dermatology**

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Bio

BIO

Anne Lynn S. Chang, M.D., M.A. is a board-certified dermatologist and Professor of Dermatology at Stanford University who is dedicated to improving patient care through research and education. She is the Founding Director of the Advanced Basal Cell Carcinoma Clinic, co-founding director of the Skin Longevity Program, and Director of Dermatologic Clinical Trials. Her research is both translational and clinical in nature and centers on the human genetics of healthy skin aging, skin longevity and better treatment for diseases related to aging skin, including new and better treatments for advanced basal and squamous cell skin cancers. She has experience in multiple clinical trials including investigator-initiated studies and multicenter industry-sponsored-studies leading to FDA approval for the first drugs to treat advanced basal cell and squamous cell skin cancer. In addition, she has conducted impactful translational research with collaborators into mechanisms underlying skin aging, rejuvenation and longevity. She is an affiliate of the Stanford Longevity Center. Overall, she has published over 150 articles in peer reviewed journals. She is devoted to training the next generations of clinician-researchers so that efforts to improve patient care will endure. A native of Southern California, Dr. Chang is a summa cum laude graduate of Harvard College, and a graduate of Harvard Medical School.

CLINICAL FOCUS

- Cancer > Cutaneous (Dermatologic) Oncology
- Dermatology
- Skin Cancer
- Geriatric dermatology
- basal cell carcinoma
- squamous cell carcinoma
- immunotherapy for non-melanoma skin cancer
- clinical trials
- non-melanoma skin cancer
- skin longevity

- acne rosacea
- rosacea

ACADEMIC APPOINTMENTS

- Professor-Univ Med Line, Dermatology
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Director of Adult Dermatological Clinical Trials, Stanford Dermatology, (2007- present)
- Director of the Advanced Basal Cell Carcinoma Clinic, Stanford Dermatology, (2011- present)
- Dermatology Resident Physician Coach, Stanford University School of Medicine, (2023- present)
- Faculty Affiliate, Stanford Center on Longevity, (2023- present)
- Co-Founder, Stanford Skin Longevity Program, (2024- present)

HONORS AND AWARDS

- Career Development Award in the category of "Science of Human Appearance", Dermatology Foundation (2009-2012)
- Mentor Award for Medical Student, American Federation of Aging Research (2016)
- Research Scholar Award for Melanoma/Non-Melanoma Skin Cancer, American Skin Association (ASA) (2013, 2014)
- Leadership Forum Award, American Academy of Dermatology (AAD) (2014)
- Rosacea Medical Research Grant Award, National Rosacea Society (NRS) (2014-2015)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Graduate Member, American Academy of Dermatology (AAD) (2004 - 2007)
- Fellow, American Academy of Dermatology (AAD) (2008 - present)
- Core Curriculum Task Force Appointee, American Academy of Dermatology (AAD) (2015 - 2018)
- Committee on Education, Society of Investigative Dermatology (SID) (2019 - 2023)
- Member, Society of Investigative Dermatology (SID) (2021 - present)
- Co-Chair Retreat Committee (Future Leaders Virtual Retreat), Society of Investigative Dermatology (SID) (2023 - 2023)
- Advisory Council, Dermatology Foundation (2023 - present)
- Editorial Board Member, The Cureus Journal of Medical Science: Peer-Reviewed, Open Access (2023 - present)
- Editorial Board Member, Journal of the American Academy of Dermatology (JAAD) Reviews (2024 - present)

PROFESSIONAL EDUCATION

- Residency: Stanford University Dept of Dermatology (2007) CA
- Residency: UCSF Obstetrics and Gynecology (2002) CA
- Medical Education: Harvard Medical School (1999) MA
- Board Certification: Dermatology, American Board of Dermatology (2007)
- MD, Harvard Medical School , Medicine (1999)

COMMUNITY AND INTERNATIONAL WORK

- Doctor Radio, Redwood City, CA
- Doctor Radio, Redwood City, CA

- Cutting Edge Clinical Trials in Older Adults, Stanford Medicine Outpatient Center

LINKS

- Dr. Anne Chang's Lab: http://annechangmd.stanford.edu/
- My NCBI Publications: https://www.ncbi.nlm.nih.gov/myncbi/anne.chang.1/bibliography/public/

Research & Scholarship

RESEARCH INTERESTS

- Curriculum and Instruction
- Data Sciences
- Diversity and Identity
- Higher Education
- Leadership and Organization
- Lifelong Learning
- Race and Ethnicity
- Research Methods
- Science Education
- Teachers and Teaching

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My two main research interests are:

1) To better understand and treat patients with aggressive basal and squamous cell carcinomas

2) To better understand the genetic and epigenetic mechanisms of healthy human skin aging and to translate these insights into better care of skin diseases enriched in older patients, particularly skin cancer and rosacea

CLINICAL TRIALS

- Clascoterone for Steroid-related Acne Vulgaris in Transgender Male Patients Receiving Masculinizing Hormone Therapy, Recruiting
- A Phase 1 Study of IPI-926 in Patients With Advanced and/or Metastatic Solid Tumor Malignancies, Not Recruiting
- A Phase II Study of Efficacy and Safety in Patients With Locally Advanced or Metastatic Basal Cell Carcinoma, Not Recruiting
- A Study Evaluating the Efficacy and Safety of Vismodegib (GDC-0449) in Operable Basal Cell Carcinoma, Not Recruiting
- A Study Evaluating the Efficacy and Safety of Vismodegib (GDC-0449, Hedgehog Pathway Inhibitor) in Patients With Advanced Basal Cell Carcinoma, Not Recruiting
- A Study in Advanced Cancer, Not Recruiting
- A Study of Vismodegib (GDC-0449) in Patients Treated With Vismodegib in a Previous Genentech-sponsored Phase I or II Cancer Study, Not Recruiting
- An Observational Study of Treatment Patterns and Effectiveness and Safety Outcomes in Advanced Basal Cell Carcinoma and Basal Cell Carcinoma Nevus Syndrome Patients(RegiSONIC), Not Recruiting
- CemiplimAb Survivorship Epidemiology, Not Recruiting
- Human Skin Aging: Clinical Parameters and Gene Expression Profiling, Not Recruiting
- Intralesional Cemiplimab for Adult Patients With Cutaneous Squamous Cell Carcinoma or Basal Cell Carcinoma, Not Recruiting
- Levocarnitine in Treating Patients With Vismodegib-Associated Muscle Spasms, Not Recruiting

- PD-1 in Patients With Advanced Basal Cell Carcinoma Who Experienced Progression of Disease on Hedgehog Pathway Inhibitor Therapy, or Were Intolerant of Prior Hedgehog Pathway Inhibitor Therapy, Not Recruiting
- Pembrolizumab (MK-3475) Versus Placebo Following Surgery and Radiation in Participants With Locally Advanced Cutaneous Squamous Cell Carcinoma (MK-3475-630/KEYNOTE-630), Not Recruiting
- Pembrolizumab With or Without Vismodegib in Treating Metastatic or Unresectable Basal Cell Skin Cancer, Not Recruiting
- Pilot LDE225 in Locally Advanced or Metastatic BCC + Previously Tx Non-LDE225 Smoothened Inhibitors, Not Recruiting
- Pilot Study of Sonidegib and Buparlisib in Treating Patients With Advanced or Metastatic Basal Cell Carcinoma, Not Recruiting
- Study of Adjuvant Cemiplimab Versus Placebo After Surgery and Radiation Therapy in Patients With High Risk Cutaneous Squamous Cell Carcinoma, Not Recruiting
- Study of Patidegib Topical Gel, 2%, for the Reduction of Disease Burden of Persistently Developing Basal Cell Carcinomas (BCCs) in Subjects With Basal Cell Nevus Syndrome (Gorlin Syndrome), Not Recruiting
- Study of Pembrolizumab (MK-3475) in Adults With Recurrent/Metastatic Cutaneous Squamous Cell Carcinoma (cSCC) or Locally Advanced Unresectable cSCC (MK-3475-629/KEYNOTE-629), Not Recruiting
- Study of REGN2810 in Patients With Advanced Cutaneous Squamous Cell Carcinoma, Not Recruiting
- Treatment Duration Increment and Pharmacodynamic Study of CX-4945 in Patients With Basal Cell Carcinoma (BCC), Not Recruiting

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

Aakriti Neopaney, Patton Nguyen, Twan Sia, Landon Watson

Postdoctoral Faculty Sponsor

Johanna Sofia Rosado Lozoya

Publications

PUBLICATIONS

- **Comparison of Smoothened Inhibitors in Treating Advanced Basal Cell Carcinoma:Multidisciplinary Expert Opinions and Clinical Experiences**
  Sun, K., Goyal, S., Berman, B., Chang, A., Farberg, A., Schlesinger, T., Patel, V.
  MOSBY-ELSEVIER.2026: AB123
- **Prevalence, demographic factors and co-morbidities associated with acanthosis nigricans in a large cross-section of 900+trans-masculine patients: data from a single academic center 2016-2023**
  Sia, T., Abou-Taleb, F., Ma, C., Li, S., Chang, A.
  MOSBY-ELSEVIER.2026: AB353
- **Adapting the Geriatric Medicine 5Ms Framework to Geriatric Dermatology.** *Drugs & aging*
  Perez, K. D., Hong, D., Zhong, X., Chang, A. L., Endo, J., Butler, D. C.
  2026
- **Exploratory survey study of differences in knowledge, attitudes, and practices of outpatient older adult clinical care between dermatologists, primary care physicians and geriatricians across three academic medical centers.** *BMC geriatrics*
  Zhong, X., Sia, T., Perry, W. M., Li, S., Park, C., Tee, S., Kado, D. M., Yeung, H., Abuabara, K., Chang, A. L.
  2026
- **Prevalence, demographic factors, co-morbidities, and treatment types associated with acanthosis nigricans in a large cross-section of 900+ transmasculine patients: Data from a single academic center 2016-2023.** *PloS one*
  Sia, T., Abou-Taleb, F., Ma, C., Li, S., Chang, A. L.
  2026; 21 (1): e0340907
- **Multiple adult-onset xanthogranuloma harboring KRAS G12D: a specific activating mutation with potential prognostic and treatment implications** *Journal of the American Academy of Dermatology Case Reports*

Zhong, X., Ho, P., Sia, T., Rieger, K., Brown, R., Fox, L. P., Nicholson, L., Rahman, Z., Mannis, G., Chang, A. S.
2026; In Press

- **Part II: Applying the 4Ms framework to dermatologic care in older adults** *Journal of the American Academy of Dermatology*
  Zhong, X., Araujo, M., Perez, K. D., Butler, D. C., Chang, A. S.
  2026; TBD
- **Part I: Dermatitis in Older Adults - Immune Considerations and Distinctive Features** *Journal of the American Academy of Dermatology*
  Perez, K. D., Araujo, M., Zhong, X., Chang, A. S., Butler, D. C.
  2026; TBD
- **Validated, Reliable, and Novel Skin Frailty Scale for Outpatient Usage and Its Association With Age, Sex, and Non-melanoma Skin Cancer: An Observational Study** *JEADV Clinical Practice*
  Ho, P., Abou-Taleb, F., Li, S., Khalili, K., Murali, V., Pathmarajah, P., Longo, S., Rahman, Z., Chiou, A., Chang, A. S.
  2026
- **Acitretin chemoprevention in non-melanoma skin cancer patients with chronic hematopoietic disease: findings from three independent databases.** *The British journal of dermatology*
  Sia, T., Li, S., Zhong, X., Park, C., Abou-Taleb, F., Twigg, A. R., Che, Y., Chang, A. L.
  2025
- **Induced B cell receptor diversity predicts PD-1 blockade immunotherapy response.** *Proceedings of the National Academy of Sciences of the United States of America*
  Che, Y., Lee, J., Abou-Taleb, F., Rieger, K. E., Satpathy, A. T., Chang, A. L., Chang, H. Y.
  2025; 122 (18): e2501269122
- **Cutaneous squamous cell carcinoma of the scalp surrounding a ventriculoperitoneal shunt in a renal transplant recipient with spina bifida.** *JAAD case reports*
  Ho, P., Saoub, J., Abou-Taleb, F., Fischbein, N., Chong, C., Chang, A. L.
  2025; 58: 109-114
- **Clinical Improvement of Treatment-Resistant Metastatic Basal Cell Carcinoma After Intratumoral Injection of Talimogene Laherparepvec.** *Dermatologic surgery : official publication for American Society for Dermatologic Surgery [et al.]*
  Che, Y., Abou-Taleb, F., Reddy, S. A., Chang, A. L.
  2025
- **LGBTQ+-Inclusive Language in Patient-Reported Outcome Measures for Acne Vulgaris.** *JAMA dermatology*
  Sia, T., Abou-Taleb, F., Yeung, H., Chang, A. L.
  2024
- **Induced B-Cell Receptor Diversity Predicts PD-1 Blockade Immunotherapy Response.** *bioRxiv : the preprint server for biology*
  Che, Y., Lee, J., Abou-Taleb, F., Rieger, K. E., Satpathy, A. T., Chang, A. L., Chang, H. Y.
  2024
- **A phase 2 open-label study of cemiplimab in patients with advanced cutaneous squamous cell carcinoma (EMPOWER-CSCC-1): Final long-term analysis of Groups 1, 2, and 3, and primary analysis of fixed-dose treatment Group 6.** *Journal of the American Academy of Dermatology*
  Hughes, B. G., Guminski, A., Bowyer, S., Migden, M. R., Schmults, C. D., Khushalani, N. I., Chang, A. L., Grob, J. J., Lewis, K. D., Ansstas, G., Day, F., Ladwa, R., Stein, et al
  2024
- **Novel Strategy for Strengthening Dermatoporotic Skin by Managing Cellular Senescence.** *Journal of drugs in dermatology : JDD*
  Widgerow, A. D., Ziegler, M., Garruto, J. A., Ionescu, L., Shafiq, F., Meckfessel, M., Lain, E. T., Ablon, G., Harper, J., Chang, A. L., Howard-Verovic, C.
  2024; 23 (9): 748-756
- **Therapeutic strategies focusing on immune dysregulation and neuroinflammation in rosacea.** *Frontiers in immunology*
  Tu, K. Y., Jung, C. J., Shih, Y. H., Chang, A. L.
  2024; 15: 1403798
- **Health-related quality of life in patients with metastatic basal cell carcinoma treated with cemiplimab: Analysis of a phase 2 trial.** *Cancer medicine*

Peris, K., Inocencio, T. J., Stratigos, A. J., Lewis, K. D., Eroglu, Z., Chang, A. L., Ivanescu, C., Sekulic, A., Fury, M. G., Chen, C. I., Quek, R. G.
2024; 13 (14): e7360

- **Assessment of Mammalian Target of Rapamycin Pathway Activation in Basal Cell Carcinoma as a New Therapeutic Approach.** *The American Journal of dermatopathology*
  Chang, A. L., Brown, R., Li, S., Betancourt, N., Teng, J.
  2024
- **Resolution of metastatic neck nodes associated with a periauricular cutaneous squamous cell carcinoma after intranodal injection of talimogene laherparepvec.** *JAAD case reports*
  Che, Y., Chong, C., Limova, M., Morris, L., Reddy, S. A., Chang, A. L.
  2024; 46: 92-94
- **Shared decision-making for older adult dermatology patients (cover article)** *The Dermatologist*
  Manjunath, J., Zhong, X., Onyeka, S., Chang, A. S., Butler, D.
  2024; 32 (5): 33-35
- **Headache and Dermatologic Conditions** *Comorbid Conditions in the Treatment of Headache*
  edited by Moskatel, L. S., Cowan, R. P.
  Routledge Taylor & Francis Group.2024; 1
- **Final analysis of phase II results with cemiplimab in metastatic basal cell carcinoma after hedgehog pathway inhibitors.** *Annals of oncology : official journal of the European Society for Medical Oncology*
  Lewis, K. D., Peris, K., Sekulic, A., Stratigos, A. J., Dunn, L., Eroglu, Z., Chang, A. L., Migden, M. R., Yoo, S. Y., Mohan, K., Coates, E., Okoye, E., Bowler, et al
  2023
- **Phase 2 open-label, multicenter, single-arm study of cemiplimab in patients with locally advanced basal cell carcinoma after hedgehog inhibitor therapy: Extended follow-up.** *Journal of the American Academy of Dermatology*
  Stratigos, A. J., Sekulic, A., Peris, K., Bechter, O., Prey, S., Lewis, K. D., Basset-Seguin, N., Chang, A. L., Dalle, S., Fernandez Orland, A., Licitra, L., Robert, C., Ulrich, et al
  2023
- **An exploratory, comparative case series of calcitonin gene-related peptide monoclonal antibodies in migraine patients with rosacea.** *The British journal of dermatology*
  Sia, T., Webb, T., Li, S., Moskatel, L. S., Chang, A. L.
  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
- **Immunotherapy for keratinocyte cancers. Part II: Identification and management of cutaneous side effects of immunotherapy treatments.** *Journal of the American Academy of Dermatology*
  Chang, A. L., Zaba, L., Kwong, B. Y.
  2023; 88 (6): 1243-1255
- **Use of calcitonin gene-related peptide monoclonal antibodies in patients with rosacea: An exploratory, comparative case series**
  Sia, T., Webb, T., Li, S., Moskatel, L., Chang, A. L.
  ELSEVIER SCIENCE INC.2023: S80
- **Immunotherapy for Keratinocyte Cancers. Part 1: Immune-Related Epidemiology, Risk Factors, Pathogenesis, and Immunotherapy Management of Keratinocytic Cancers** *Journal of the American Academy of Dermatology*
  Neuner, R., Lee, J., Park, C., Rieger, K. E., Colevas, A. D., Chang, A. S.
  2023; 88 (6): 1225-1240
- **Correlation of Ultraviolet Radiation Levels With the Incidence of Cutaneous Squamous Cell and Merkel Cell Carcinomas in Non-sunbelt Locales in the United States: 2010-2017** *Cureus: Journal of Medical Science*
  Vora, P. S., Li, S., Oh, G., Webb, T., Perry, W. M., Park, C., Chang, A. S.
  2023; 15 (6): e40099

- **KEYNOTE-630: Phase 3 study of pembrolizumab as adjuvant treatment in high-risk locally advanced (LA) cutaneous squamous cell carcinoma (cSCC)**
  Lee, J., Dzienis, M., Schmults, C., Schneker, M., Bratland, A., Klochikhin, M., Gifoni, M., Kirtbaya, D., Rivera-Diaz, J., Chipman, M., Geiger, J. L., Chang, A. L. S., Daniels, et al
  WILEY.2022: 234-235

- **Incorporating the "4Ms" framework to improve outpatient geriatric dermatology care.** *Journal of the American Geriatrics Society*
  Perry, W. M., Vora, P., Oh, G., Park, C., Chang, A. L.
  2022

- **Primary analysis of Phase 2 results for cemiplimab in patients with metastatic basal cell carcinoma who progressed on or were intolerant to hedgehog inhibitors**
  Lewis, K. D., Perris, K., Sekulic, A., Stratigos, A., Duecker, P., Eroglu, Z., Chang, A. S., Migden, M. R., Yoo, S. Y., Mohan, K., Coates, E., Okoye, E., Baurain, et al
  WILEY.2022: 105-106

- **Phase II study of cemiplimab in patients with advanced cutaneous squamous cell carcinoma (CSCC): Final analysis from EMPOWER-CSCC-1 groups 1, 2 and 3**
  Migden, M. R., Schmults, C., Khushanlani, N., Guminski, A., Chang, A. L., Lewis, K., Ansstas, G., Bowyer, S. E., Hughes, B. M., Schadendorf, D., Modi, B., Dunn, L., Flatz, et al
  ELSEVIER.2022: S918-S919

- **Phase 2 study of cemiplimab in patients with locally advanced basal cell carcinoma after hedgehog inhibitor therapy: Long-term follow-up**
  Stratigos, A., Sekulic, A., Perris, K., Bechter, O., Prey, S., Kaatz, M., Lewis, K. D., Basset-Sequin, N., Chang, A. S., Dalle, S., Orland, A., Licitra, L., Robert, et al
  WILEY.2022: 38-39

- **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. S., Bailey, E. E., Ko, J. M., Sarin, K. Y.
  2022; 2 (3): e141

- **Recurrent bilateral cutaneous squamous cell carcinoma arising within hypertrophic lichen planus with metastasis while on cemiplimab**
  Leeolou, M. C., Burgren, N. M., Lee, C. S., Momeni, A., Pinto, H., Johannet, P., Liebert, C., Nord, K. M., Chang, A. S.
  JAAD case reports.
  2022 ; Case Report (Volume 29): 55-58

- **Real-world assessment and treatment of locally advanced basal cell carcinoma: Findings from the RegiSONIC disease registry.** *PloS one*
  Sekulic, A., Yoo, S., Kudchadkar, R., Guillen, J., Rogers, G., Chang, A. L., Guenthner, S., Raskin, B., Dawson, K., Mun, Y., Chu, L., McKenna, E., Lacouture, et al
  1800; 17 (1): e0262151

- **Phase 2 study of cemiplimab in patients with advanced cutaneous squamous cell carcinoma (CSCC): follow-up at 43 months**
  Rischin, D., Khushalani, N. I., Schmults, C. D., Guminski, A., Chang, A. S., Lewis, K. D., Lim, A. M., Hernandez-Aya, L., Hughes, B. G. M., Schadendorf, D., Hauschild, A., Stankevich, E., Booth, et al
  WILEY.2021: 166

- **A 10-year retrospective cohort study of ruxolitinib and association with non-melanoma skin cancer in polycythemia vera and myelofibrosis patients.** *Journal of the American Academy of Dermatology*
  Lin, J. Q., Li, S. Q., Li, S., Kiamanesh, E. F., Aasi, S. Z., Kwong, B. Y., Chang, A. L.
  2021

- **Health-related Quality of Life (HRQoL) in Patients with advanced cutaneous Squamous Cell Carcinoma (CSCC) treated with Cemiplimab: Post hoc exploratory Analysis of a clinical Phase-2-Study**
  Migden, M. R., Rischin, D., Sasane, M., Mastey, V., Pavlick, A., Schmults, C. D., Chen, Z., Guminski, A., Hauschild, A., Bury, D., Chang, A. S., Rabinowits, G., Ibrahim, et al
  WILEY.2021: 22

- **Antineoplastic therapy after discontinuation of sonidegib 200 mg in patients with advanced basal cell carcinoma: Results from the 42-month, randomized, double-blind BOLT study**
  Gutzmer, R., Guminski, A., Foley, P., Chang, A. S., Lewis, K., Squittieri, N., Loquai, C.

MOSBY-ELSEVIER.2021: AB89

- **Primary Analysis of Phase-2-Results for Cemiplimab in Patients (pts) with locally advanced Basal Cell Carcinoma (laBCC) who progress or cannot tolerate Hedgehog Inhibitors (HHI)**
  Stratigos, A. J., Sekulic, A., Peris, K., Bechter, O., Dutriaux, C., Kaatz, M., Lewis, K. D., Basset-Seguin, N., Chang, A. S., Dalle, S., Orland, A., Licitra, L., Robert, et al
  WILEY.2021: 41-42

- **Integrated analysis of a phase 2 study of cemiplimab in advanced cutaneous squamous cell carcinoma: extended follow-up of outcomes and quality of life analysis.** *Journal for immunotherapy of cancer*
  Rischin, D., Khushalani, N. I., Schmults, C. D., Guminski, A., Chang, A. L., Lewis, K. D., Lim, A. M., Hernandez-Aya, L., Hughes, B. G., Schadendorf, D., Hauschild, A., Thai, A. A., Stankevich, et al
  2021; 9 (8)

- **Cemiplimab in locally advanced basal cell carcinoma after hedgehog inhibitor therapy: an open-label, multi-centre, single-arm, phase 2 trial.** *The Lancet. Oncology*
  Stratigos, A. J., Sekulic, A., Peris, K., Bechter, O., Prey, S., Kaatz, M., Lewis, K. D., Basset-Seguin, N., Chang, A. L., Dalle, S., Orland, A. F., Licitra, L., Robert, et al
  2021

- **Association of ruxolitinib with NMSCs risk in patients with polycythemia vera and myelofibrosis**
  Lin, J., Li, S., Li, S., Kiamanesh, E., Aasi, S., Kwong, B., Chang, A.
  ELSEVIER SCIENCE INC.2021: S43

- **A rare case of Wohlfahrtiimonas chitiniclastica infection in California**
  Leeolou, M. C., Perrault, D. P., Sivaraj, D., Trotsyuk, A. A., Padmanabhan, J., Gurtner, G. C.
  JAAD case reports.
  2021 ; Case Report (Volume 17): 55-57

- **An exploratory, open-label study of secukinumab in patients with moderate to severe papulopustular rosacea**
  Kumar, A. M., Chiou, A. S., Shih, Y., Li, S., Chang, A. S.
  MOSBY-ELSEVIER.2020: AB88

- **INTERIM ANALYSIS OF PHASE 2 RESULTS FOR CEMIPLIMAB IN PATIENTS WITH METASTATIC BASAL CELL CARCINOMA (MBCC) WHO PROGRESSED ON OR ARE INTOLERANT TO HEDGEHOG INHIBITORS (HHIS)**
  Lewis, K., Peris, K., Sekulic, A., Stratigos, A., Dunn, L., Eroglu, Z., Chang, A., Migden, M., Li, S., Mohan, K., Coates, E., Okoye, E., Baurain, et al
  BMJ PUBLISHING GROUP.2020: A260–A261

- **Metastatic cutaneous squamous cell carcinoma responsive to cemiplimab in a patient with multiple myeloma.** *JAAD case reports*
  Marukian, N. V., Lin, J. Q., Colevas, A. D., Coutre, S., Chang, A. L.
  2020; 6 (9): 819–21

- **Time to clinically meaningful changes in pain in patients with advanced cutaneous squamous cell carcinoma treated with cemiplimab in a phase II clinical trial**
  Migden, M. R., Rischin, D., Hudgens, S., Chen, C., Schmults, C. D., Pavlick, A. C., Guminski, A., Hauschild, A., Chen, Z., Mastey, V., Bury, D., Chang, A. S., Rabinowits, et al
  ELSEVIER.2020: S738

- **Primary analysis of phase II results for cemiplimab in patients (pts) with locally advanced basal cell carcinoma (laBCC) who progress on or are intolerant to hedgehog inhibitors (HHIs)**
  Stratigos, A. J., Sekulic, A., Peris, K., Bechter, O., Dutriaux, C., Kaatz, M., Lewis, K. D., Basset-Seguin, N., Chang, A. S., Dalle, S., Fernandez-Orland, A., Licitra, L., Robert, et al
  ELSEVIER.2020: S1175–S1176

- **Adjuvant pembrolizumab or placebo in patients with high-risk, locally advanced cutaneous squamous cell carcinoma: Phase 3 KEYNOTE-630**
  Chang, A. S., Daniels, G. A., Cohen, E. E., Ge, J., Gumuscu, B., Swaby, R. F., Geiger, J. L.
  AMER ASSOC CANCER RESEARCH.2020

- **IL-1 beta is a potential central mediator to Papulopustular Rosacea pathology as determined by paired transcriptomic and proteomic analysis**
  Harden, J., Shih, Y., Rajendran, D., Xu, J., Li, R., Hofland, H., Chang, A. L.

ELSEVIER SCIENCE INC.2020: S114

- **In-progress validation of candidate rosacea genes by targeted interrogation of alleles and assessment of rosacea comorbidities**
  Kumar, A., Shih, Y., Chiou, A., Li, S., Chang, A. L.
  ELSEVIER SCIENCE INC.2020: S33

- **A phase I study of CX-4945 administered orally twice daily to patients with advanced basal cell carcinoma.**
  Eroglu, Z., Cowey, C., Soong, J., McCormick, D., Fan, P., Chen, J., Elgendy, M., Jang, S., Chang, A. S.
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