

Stanford



Mark Pegram

Susy Yuan-Huey Hung Professor
Medicine - Oncology

CLINICAL OFFICES

- **Stanford Womens Cancer Center**

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ACADEMIC CONTACT INFORMATION

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Bio

BIO

Mark Pegram, MD, is the Suzy Yuan-Huey Hung Endowed Professor of Medical Oncology at the Stanford University School of Medicine. He currently serves as the Associate Director of Clinical Research at the Stanford Comprehensive Cancer Institute (SCCI). He also serves as the Associate Dean for Clinical Research Quality at the Stanford University School of Medicine, and is the Medical Director of the Stanford Clinical Translational Research Unit – a unit specializing in first-in-human phase I clinical trials

Dr Pegram received his medical degree from the University of North Carolina at Chapel Hill. He went on to complete an internship and residency at the University of Texas Southwestern Medical Center in Dallas. He concluded his training with a fellowship at the UCLA David Geffen School of Medicine in Los Angeles, CA.

Dr Pegram's breast cancer research is focused on the study of the cancer-associated gene that encodes HER2 and on the development of novel agents in the treatment of patients with HER2-positive metastatic breast cancer. Dr Pegram has been educating other healthcare professionals about the future impact of biosimilars in oncology practice, especially in the breast cancer treatment landscape. He has authored more than 110 publications in medical oncology, hematology, and biosimilars across different cancer types.

CLINICAL FOCUS

- Cancer > Breast Cancer
- molecular therapeutics
- Medical Oncology

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Medicine - Oncology
- Member, Bio-X
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Medical Director of the Stanford Clinical Translational Research Unit, Stanford School of Medicine, (2020- present)

- Associate Dean for Clinical Research Quality, Stanford School of Medicine, (2018- present)
- Associate Director for Clinical Research, Stanford Cancer Institute, (2013- present)
- Director, Stanford Breast Oncology Program, Stanford Cancer Institute, (2012-2019)
- Co-Director, Translational Oncology Research Program @ Stanford (TOP@S), Stanford Cancer Institute, (2013-2018)

HONORS AND AWARDS

- Sylvester Outstanding Cancer Research Award, University of Miami Sylvester Comprehensive Cancer Center (13 May 2011)
- 6th Annual Connie Moskow Memorial Lectureship, Robert H. Lurie Comprehensive Cancer Center of Northwestern University (11 May 2012)
- John G. Kuhn Lecture, Hematology/Oncology Pharmacy Association (21 March 2013)
- Chair, Department of Defense Breast Cancer Research Program Integration Panel, Congressionally Directed Medical Research Programs, U.S. Army Research and Materiel Command (2012)
- 2012 Keynote Lecture, American Radium Society 94th Annual Meeting, American Radium Society (29 April 2012)
- The Celebrity Cruises Award, The Breast Cancer Research Foundation (2013-2014)

PROFESSIONAL EDUCATION

- Fellowship: UCLA Division of Hematology and Oncology (1993) CA
- Residency: University of Texas Southwestern Internal Medicine Residency (1990) TX
- Medical Education: University of North Carolina School of Medicine (1986) NC
- Board Certification: Medical Oncology, American Board of Internal Medicine (1993)
- Board Certification: Internal Medicine, American Board of Internal Medicine (1989)

COMMUNITY AND INTERNATIONAL WORK

- The 7th Princess Chulabhorn International Science Congress, Bangkok, Thailand

LINKS

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Molecular mechanisms of targeted therapy resistance in breast and other cancers

CLINICAL TRIALS

- A Pharmacokinetic and Randomized Trial of Neoadjuvant Treatment With Anastrozole Plus AZD0530 in Postmenopausal Patients With Hormone Receptor Positive Breast Cancer, Not Recruiting
- A Phase 1/2 Study of MEDI4276 in Adults Subjects With Select HER2-expressing Advanced Solid Tumors., Not Recruiting
- A Phase II Clinical Trial of PM01183 in BRCA 1/2-Associated or Unselected Metastatic Breast Cancer, Not Recruiting
- A Randomized, Phase 2, Neoadjuvant Study of Weekly Paclitaxel With or Without LCL161 in Patients With Triple Negative Breast Cancer, Not Recruiting
- A Safety Extension Study of Trastuzumab Emtansine in Participants Previously Treated With Trastuzumab Emtansine Alone or in Combination With Other Anti-Cancer Therapy in One of the Parent Studies, Not Recruiting
- A Study Evaluating PF-03084014 In Patients With Advanced Breast Cancer With Or Without Notch Alterations, Not Recruiting
- A Study Evaluating The PF-03084014 In Combination With Docetaxel In Patients With Advanced Breast Cancer, Not Recruiting
- A Study of HGS1036 in Combination With Chemotherapy in Subjects With Advanced Solid Malignancies, Not Recruiting
- A Study of Palbociclib (PD-0332991) + Letrozole vs. Letrozole For 1st Line Treatment Of Postmenopausal Women With ER+/HER2- Advanced Breast Cancer (PALOMA-2), Not Recruiting
- A Study of Trastuzumab Emtansine, Paclitaxel, and Pertuzumab in Patients With HER2-Positive, Locally Advanced or Metastatic Breast Cancer, Not Recruiting

- A Study to Assess Efficacy and Safety of Pertuzumab Given in Combination With Trastuzumab and Vinorelbine in Participants With Metastatic or Locally Advanced Human Epidermal Growth Factor Receptor (HER) 2-Positive Breast Cancer, Not Recruiting
- G1T48, an Oral SERD, Alone and in Combination With Palbociclib in ER-Positive, HER2-Negative Advanced Breast Cancer, Not Recruiting
- Lapatinib Ditosylate and Radiation Therapy in Treating Patients With Locally Advanced or Locally Recurrent Breast Cancer, Not Recruiting
- Margetuximab Plus Chemotherapy vs Trastuzumab Plus Chemotherapy in the Treatment of HER2+ Metastatic Breast Cancer, Not Recruiting
- Neratinib +/- Fulvestrant in Metastatic HER2 Non-amplified But HER2 Mutant Breast Cancer, Not Recruiting
- Phase 2 Study of the Monoclonal Antibody MGAH22 (Margetuximab) in Patients With Relapsed or Refractory Advanced Breast Cancer, Not Recruiting
- PRospective Study Of MammaPrint in Patients With an Intermediate Recurrence Score, Not Recruiting
- Recombinant Human Hyaluronidase in Treating Lymphedema in Patients With Cancer, Not Recruiting
- Safety, Tolerability & Potential Anti-cancer Activity of Increasing Doses of AZD5363 in Different Treatment Schedules, Not Recruiting
- Tsetaxel Plus Reduced Dose of Capecitabine vs. Capecitabine in HER2 Negative, HR Positive, LA/MBC, Not Recruiting
- The BEACON Study (Breast Cancer Outcomes With NKTR-102), Not Recruiting
- The Study Evaluating Efficacy And Tolerability Of Veliparib in Combination With Temozolomide or In Combination With Carboplatin and Paclitaxel Versus Placebo in Subjects With BRCA1 and BRCA2 Mutation and Metastatic Breast Cancer, Not Recruiting

Teaching

COURSES

2018-19

- Essentials of Clinical Research at Stanford: HRP 273 (Win)

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cancer Biology (Phd Program)
- Oncology (Fellowship Program)

Publications

PUBLICATIONS

- **Humanized anti-CD47 monoclonal antibody magrolimab (Hu5F9-G4) plus trastuzumab potentiates antibody-dependent cellular phagocytosis (ADCP), and cooperate to inhibit human HER2+breast cancer (BC) xenografts growth in vivo**
Upton, R., Feng, D., Banuelos, A. M., Biswas, T., Willingham, S., Kao, K. S., McKenna, K., Rosenthal, B., Tal, M. C., Volkmer, J., Pegram, M. D., Weissman, I. L.
AMER ASSOC CANCER RESEARCH.2021
- **Rintodestrant (G1T48), an oral selective estrogen receptor degrader in ER+/HER2-locally advanced or metastatic breast cancer: Updated phase 1 results and dose selection**
Aftimos, P., Neven, P., Pegram, M., van Oord, C., Dees, E., Schroder, C., Jager, A., Bulat, I., Chap, L., Maglakelidze, M., Hamilton, E., Cristofanilli, M., Ulahannan, et al
AMER ASSOC CANCER RESEARCH.2021
- **Integrated safety summary of single agent and combination margetuximab in phase 1, 2, and 3 studies of HER2-positive advanced cancers and metastatic breast cancer (MBC)**
Im, S., Cardoso, F., Cortes, J., Curigliano, G., Pegram, M. D., Rugo, H. S., Brown-Glaberman, U., Yardley, D. A., Kim, S., de Boer, M., Nowecki, Z., Glavicic, V., Wolf, et al
AMER ASSOC CANCER RESEARCH.2021
- **cGAS-STING pathway protein expression in human primary breast cancer**
Zong, Y., Liu, X., Barber, G. N., Pegram, M. D.
AMER ASSOC CANCER RESEARCH.2021
- **Infusion related reactions in the phase 3 SOPHIA trial of margetuximab plus chemotherapy vs trastuzumab plus chemotherapy in patients with pretreated HER2+metastatic breast cancer**

- Cortes, J., Cardoso, F., Curigliano, G., Gradishar, W. J., Im, S., Rugo, H. S., Bahadur, S. W., Falcone, A., Murillo, S., Riseberg, D. A., Musolino, A., Feinstein, T. M., Abreu, et al
AMER ASSOC CANCER RESEARCH.2021
- **Pharmacodynamic analysis from a phase 1 study of rintodestrant (G1T48), an oral selective estrogen receptor degrader, in ER+/HER2-locally advanced or metastatic breast cancer**
Aftimos, P., Maglakelidze, M., Glaudemans, A. M., Hamilton, E., Chap, L., de Vries, E., van Oordt, C., Jager, A., Dees, E., Cristofanilli, M., Pegram, M., Ulahannan, S., Neven, et al
AMER ASSOC CANCER RESEARCH.2021
 - **Phase 1/2 study of a novel HER2 targeting TLR7/8 immune-stimulating antibody conjugate (ISAC), BDC-1001, as a single agent and in combination with an immune checkpoint inhibitor in patients with advanced HER2-expressing solid tumors**
Dumbrava, E., Sharma, M. R., Carvajal, R. D., Catenacci, D., Emens, L. A., Gadgeel, S. M., Hanna, G. J., Juric, D., Kang, Y., Lee, J., Lee, K., Li, B. T., Moore, et al
AMER ASSOC CANCER RESEARCH.2021
 - **Results from CONTESSA: A phase 3 study of tsetaxel plus a reduced dose of capecitabine versus capecitabine alone in patients with HER2-, hormone receptor plus (HR plus) metastatic breast cancer (MBC) who have previously received a taxane**
O'Shaughnessy, J., Schwartzberg, L., Piccart, M., Rugo, H. S., Yardley, D. A., Cortes, J., Untch, M., Harbeck, N., Wright, G. S., Bondarenko, I., Glaspy, J., Nowecki, Z., Kayali, et al
AMER ASSOC CANCER RESEARCH.2021
 - **Health-related quality of life for margetuximab plus chemotherapy vs. trastuzumab plus chemotherapy in the phase 3 SOPHIA trial of patients with pretreated HER2+metastatic breast cancer**
Cardoso, F., Cortes, J., Gradishar, W., Im, S., Pegram, M. D., Rugo, H. S., Wright, G. S., De laurentiis, M., Levy, C., Ferrero, J., Mansi, J., Oyola, R., Ricci, et al
AMER ASSOC CANCER RESEARCH.2021
 - **Efficacy of Margetuximab vs Trastuzumab in Patients With Pretreated ERBB2-Positive Advanced Breast Cancer: A Phase 3 Randomized Clinical Trial.** *JAMA oncology*
Rugo, H. S., Im, S. A., Cardoso, F. n., Cortés, J. n., Curigliano, G. n., Musolino, A. n., Pegram, M. D., Wright, G. S., Saura, C. n., Escrivá-de-Romaní, S. n., De Laurentiis, M. n., Levy, C. n., Brown-Glaberman, et al
2021
 - **PATIENT-REPORTED OUTCOMES FOLLOWING PERTUZUMAB PLUS HIGH-DOSE TRASTUZUMAB IN PATIENTS WITH HER2-POSITIVE METASTATIC BREAST CANCER (MBC) AND CENTRAL NERVOUS SYSTEM (CNS) PROGRESSION POST-RADIOTHERAPY**
Kumthekar, P., Sahebjam, S., Pegram, M., Ibrahim, N., Sussell, J., Nicholas, A., Fung, A., Cheng, A., Lin, N. U.
OXFORD UNIV PRESS INC.2020: 174–75
 - **PHASE 1/2 STUDY OF NOVEL HER2-TARGETING, TLR7/8 IMMUNE-STIMULATING ANTIBODY CONJUGATE (ISAC) BDC-1001 WITH OR WITHOUT IMMUNE CHECKPOINT INHIBITOR IN PATIENTS WITH ADVANCED HER2-EXPRESSING SOLID TUMORS**
Sharma, M., Dumbrava, E., Carvajal, R., Catenacci, D., Emens, L., Hanna, G., Juric, D., Kang, Y., Lee, J., Lee, K., Li, B., Moore, K., Pegram, et al
BMJ PUBLISHING GROUP.2020: A244
 - **Mitochondrial copper depletion suppresses triple-negative breast cancer in mice.** *Nature biotechnology*
Cui, L., Gouw, A. M., LaGory, E. L., Guo, S., Attarwala, N., Tang, Y., Qi, J., Chen, Y., Gao, Z., Casey, K. M., Bazhin, A. A., Chen, M., Hu, et al
2020
 - **Intratumoral HER2 Heterogeneity in Breast Cancer** *CLINICAL ADVANCES IN HEMATOLOGY & ONCOLOGY*
Pegram, M.
2020; 18 (9): 535–37
 - **SOPHIA analysis by chemotherapy (Ctx) choice: A phase III (P3) study of margetuximab (M) plus Ctx versus trastuzumab (T) plus Ctx in patients (pts) with pretreated HER2+metastatic (met) breast cancer (MBC).**
Escriva, S., Im, S., Cardoso, F., Cortes, J., Curigliano, G., Gradishar, W., Pegram, M. D., Wright, G., Levy, C., De laurentiis, M., Ferrero, J., Bahadur, S., Kim, et al
AMER SOC CLINICAL ONCOLOGY.2020
 - **Four-year follow-up of a phase III study comparing SB3 (trastuzumab biosimilar) and reference trastuzumab in HER2-positive early or locally advanced breast cancer in neoadjuvant setting.**
Pivot, X., Pegram, M. D., Cortes, J., Luftner, D., Rugo, H. S., Lyman, G. H., Curigliano, G., Bondarenko, I., Dvorkin, M., Yoon, Y., Kim, Y., Kim, C.
AMER SOC CLINICAL ONCOLOGY.2020
 - **Immune cell repertoires in breast cancer patients after adjuvant chemotherapy.** *JCI insight*

Gustafson, C. E., Jadhav, R., Cao, W., Qi, Q., Pegram, M., Tian, L., Weyand, C. M., Goronzy, J. J.
2020; 5 (4)

- **Phase 3 SOPHIA study of margetuximab plus chemotherapy vs trastuzumab plus chemotherapy in patients with HER2+metastatic breast cancer after prior anti-HER2 therapies: second interim overall survival analysis**
Rugo, H. S., Im, S., Cardoso, F., Cortes, J., Curigliano, G., Pegram, M. D., Musolino, A., Bachelot, T., Wright, G. S., De laurentiis, M., Kaufman, P. A., Pluard, T., Ricci, et al
AMER ASSOC CANCER RESEARCH.2020
- **CONTESSA: A multinational, multicenter, randomized, phase 3 registration study of tesetaxel plus a reduced dose of capecitabine in patients with HER2-, hormone receptor plus (HR plus) metastatic breast cancer (MBC) who have previously received a taxane**
O'Shaughnessy, J., Piccart, M., Schwartzberg, L., Cortes, J., Harbeck, N., Im, S., Rugo, H., Untch, M., Yardley, D., Bondarenko, I., Dieras, V., Pegram, M., Kroll, et al
AMER ASSOC CANCER RESEARCH.2020
- **Phase 3 SOPHIA study of margetuximab plus chemotherapy vs trastuzumab plus chemotherapy in patients with HER2+metastatic breast cancer after prior anti-HER2 therapies: Infusion time substudy results**
Gradishar, W. J., Im, S., Cardoso, F., Cortes, J., Curigliano, G., Pegram, M. D., Musolino, A., Berardi, R., De laurentiis, M., Bahadur, S. W., Im, Y., Lynch, C., Novik, et al
AMER ASSOC CANCER RESEARCH.2020
- **Pertuzumab (P) plus high-dose trastuzumab (H) for the treatment of central nervous system (CNS) progression after radiotherapy (RT) in patients (pts) with HER2-positive metastatic breast cancer (MBC): Primary efficacy analysis results from the phase II PATRICIA study**
Lin, N. U., Kumthekar, P., Sahebjam, S., Ibrahim, N., Fung, A., Cheng, A., Nicholas, A., Wang, B., Pegram, M.
AMER ASSOC CANCER RESEARCH.2020
- **Tucatinib vs placebo, both combined with capecitabine and trastuzumab, for patients with pretreated HER2-positive metastatic breast cancer with and without brain metastases (HER2CLIMB)**
Murthy, R., Loi, S., Okines, A., Paplomata, E., Hamilton, E., Hurvitz, S., Lin, N., Borges, V., Abramson, V., Anders, C., Bedard, P. L., Oliveira, M., Jakobsen, et al
AMER ASSOC CANCER RESEARCH.2020
- **Case-Based Review and Clinical Guidance on the Use of Genomic Assays for Early-Stage Breast Cancer: Breast Cancer Therapy Expert Group (BCTEG). *Clinical breast cancer***
Kittaneh, M. n., Badve, S. n., Caldera, H. n., Coleman, R. n., Goetz, M. P., Mahtani, R. n., Mamounas, E. n., Kalinsky, K. n., Lower, E. n., Pegram, M. n., Press, M. F., Rugo, H. S., Schwartzberg, et al
2020
- **Extracellular vesicle-mediated in vitro transcribed mRNA delivery for treatment of HER2+ breast cancer xenografts in mice by prodrug CB1954 without general toxicity. *Molecular cancer therapeutics***
Forterre, A. V., Wang, J. H., Delcayre, A. n., Kim, K. n., Green, C. n., Pegram, M. D., Jeffrey, S. S., Matin, A. C.
2020
- **RNA Based Approaches to Profile Oncogenic Pathways From Low Quantity Samples to Drive Precision Oncology Strategies. *Frontiers in genetics***
van de Stolpe, A., Verhaegh, W., Blay, J., Ma, C. X., Pauwels, P., Pegram, M., Prenen, H., De Ruyscher, D., Saba, N. F., Slovin, S. F., Willard-Gallo, K., Husain, H.
2020; 11: 598118
- **Understanding the Role of Comparative Clinical Studies in the Development of Oncology Biosimilars. *Journal of clinical oncology : official journal of the American Society of Clinical Oncology***
Stebbing, J. n., Mainwaring, P. N., Curigliano, G. n., Pegram, M. n., Latymer, M. n., Bair, A. H., Rugo, H. S.
2020: JCO1902953
- **A novel HER2-targeted antibody-drug conjugate offers the possibility of clinical dosing at trastuzumab-equivalent exposure levels. *Molecular cancer therapeutics***
Barfield, R. M., Kim, Y. C., Chuprakov, S. n., Zhang, F. n., Bauzon, M. n., Ogunkoya, A. O., Yeo, D. n., Hickie, C. n., Pegram, M. D., Rabuka, D. n., Drake, P. M.
2020
- **Intratumoral HER2 heterogeneity in breast cancer. *Clinical advances in hematology & oncology : H&O***
Pegram, M. n.
2020; 18 (9): 535–37

- **Real-world Evidence of Diagnostic Testing and Treatment Patterns in US Patients With Breast Cancer With Implications for Treatment Biomarkers From RNA Sequencing Data.** *Clinical breast cancer*
Fernandes, L. E., Epstein, C. G., Bobe, A. M., Bell, J. S., Stumpe, M. C., Salazar, M. E., Salahudeen, A. A., Pe Benito, R. A., McCarter, C. n., Leibowitz, B. D., Kase, M. n., Igartua, C. n., Huether, et al
2020
- **Tucatinib, Trastuzumab, and Capecitabine for HER2-Positive Metastatic Breast Cancer.** *The New England journal of medicine*
Murthy, R. K., Loi, S., Okines, A., Paplomata, E., Hamilton, E., Hurvitz, S. A., Lin, N. U., Borges, V., Abramson, V., Anders, C., Bedard, P. L., Oliveira, M., Jakobsen, et al
2019
- **SOPHIA primary analysis: A phase 3 (P3) study of margetuximab (M) plus chemotherapy (C) versus trastuzumab (T) plus C in patients (pts) with HER2+metastatic (met) breast cancer (MBC) after prior anti-HER2 therapies (Tx).**
Rugo, H. S., Im, S., Wright, G., Escrivá-de-Romani, S., DeLaurentiis, M., Cortes, J., Bahadur, S., Haley, B. B., Oyola, R. H., Riseberg, D. A., Musolino, A., Cardoso, F., Curigliano, et al
AMER SOC CLINICAL ONCOLOGY.2019
- **CONTESSA: A multinational, multicenter, randomized, phase III registration study of tesetaxel plus a reduced dose of capecitabine in patients (pts) with HER2-, hormone receptor plus (HR plus) locally advanced or metastatic breast cancer (LA/MBC) who have previously received a taxane.**
O'Shaughnessy, J., Piccart, M., Schwartzberg, L. S., Cortes, J., Harbeck, N., Im, S., Rugo, H. S., Untch, M., Yardley, D. A., Bondarenko, I., Chan, S., Dieras, V., Pegram, et al
AMER SOC CLINICAL ONCOLOGY.2019
- **Evaluation of survival by ADCC status: Subgroup analysis of SB3 (Trastuzumab Biosimilar) and reference trastuzumab in patients with HER2-positive early breast cancer at three-year follow-up.**
Pivot, X., Pegram, M. D., Cortes, J., Luftner, D., Lyman, G. H., Curigliano, G., Bondarenko, I., Yoon, Y., Kim, Y., Lim, J.
AMER SOC CLINICAL ONCOLOGY.2019
- **First-in-Human, First-in-Class Phase I Trial of the Anti-CD47 Antibody Hu5F9-G4 in Patients With Advanced Cancers** *JOURNAL OF CLINICAL ONCOLOGY*
Sikic, B., Lakhani, N., Patnaik, A., Shah, S. A., Chandana, S. R., Rasco, D., Colevas, A., O'Rourke, T., Narayanan, S., Papadopoulos, K., Fisher, G. A., Villalobos, V., Prohaska, et al
2019; 37 (12): 946+
- **Clinical validation of an immunohistochemistry-based CanAssist-Breast test for distant recurrence prediction in hormone receptor-positive breast cancer patients** *CANCER MEDICINE*
Bakre, M. M., Ramkumar, C., Attuluri, A., Basavaraj, C., Prakash, C., Buturovic, L., Madhav, L., Naidu, N., Prathima, R., Somashekhar, S. P., Gupta, S., Doval, D., Pegram, et al
2019; 8 (4): 1755–64
- **Clinical validation of an immunohistochemistry-based CanAssist-Breast test for distant recurrence prediction in hormone receptor-positive breast cancer patients.** *Cancer medicine*
Bakre, M. M., Ramkumar, C., Attuluri, A. K., Basavaraj, C., Prakash, C., Buturovic, L., Madhav, L., Naidu, N., R. P., Somashekhar, S. P., Gupta, S., Doval, D. C., Pegram, et al
2019
- **First-in-Human, First-in-Class Phase I Trial of the Anti-CD47 Antibody Hu5F9-G4 in Patients With Advanced Cancers.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*
Sikic, B. I., Lakhani, N., Patnaik, A., Shah, S. A., Chandana, S. R., Rasco, D., Colevas, A. D., O'Rourke, T., Narayanan, S., Papadopoulos, K., Fisher, G. A., Villalobos, V., Prohaska, et al
2019: JCO1802018
- **Induced Pluripotent Stem Cells as a Novel Cancer Vaccine.** *Expert opinion on biological therapy*
Wang, L. n., Pegram, M. D., Wu, J. C.
2019
- **A Roundtable Discussion of the Breast Cancer Therapy Expert Group (BCTEG): Clinical Developments and Practice Guidance on Human Epidermal Growth Factor Receptor 2 (HER2)-positive Breast Cancer.** *Clinical breast cancer*
Mahtani, R. n., Holmes, F. A., Badve, S. n., Caldera, H. n., Coleman, R. n., Mamounas, E. n., Kalinsky, K. n., Kittaneh, M. n., Lower, E. n., Pegram, M. n., Press, M. F., Rugo, H. S., Schwartzberg, et al
2019

- **Three-year follow-up from a phase 3 study of SB3 (a trastuzumab biosimilar) versus reference trastuzumab in the neoadjuvant setting for human epidermal growth factor receptor 2-positive breast cancer.** *European journal of cancer (Oxford, England : 1990)*
Pivot, X. n., Pegram, M. n., Cortes, J. n., Lüftner, D. n., Lyman, G. H., Curigliano, G. n., Bondarenko, I. n., Yoon, Y. C., Kim, Y. n., Kim, C. n.
2019; 120: 1–9
- **HER2-overexpressing/amplified breast cancer as a testing ground for antibody-drug conjugate drug development in solid tumors.** *Clinical cancer research : an official journal of the American Association for Cancer Research*
Pegram, M. D., Miles, D. n., Tsui, C. K., Zong, Y. n.
2019
- **PF-05280014 (a trastuzumab biosimilar) plus paclitaxel compared with reference trastuzumab plus paclitaxel for HER2-positive metastatic breast cancer: a randomised, double-blind study.** *British journal of cancer*
Pegram, M. D., Bondarenko, I., Zorzetto, M. M., Hingmire, S., Iwase, H., Krivorotko, P. V., Lee, K. S., Li, R. K., Pikiel, J., Aggarwal, R., Ewesuedo, R., Freyman, A., Li, et al
2018
- **Use of cyclin-dependent kinase (CDK) 4/6 inhibitors for hormone receptor-positive, human epidermal growth factor receptor 2-negative, metastatic breast cancer: a roundtable discussion by The Breast Cancer Therapy Expert Group (BCTEG)** *BREAST CANCER RESEARCH AND TREATMENT*
Abraham, J., Coleman, R., Elias, A., Holmes, F., Kalinsky, K., Kittaneh, M., Lower, E., Mahtani, R., Mamounas, E., Pegram, M., Vogel, C., Breast Canc Therapy Expert Grp B
2018; 171 (1): 11–20
- **High caveolin-1 expression in African American women with early-stage triple-negative breast cancer**
Baumbach-Reardon, L. L., Getz, J., Ahearn, M. E., Carpten, J., Pegram, M.
AMER ASSOC CANCER RESEARCH.2018
- **Generation of HER2-specific antibody immunity during trastuzumab adjuvant therapy associates with reduced relapse in resected HER2 breast cancer** *BREAST CANCER RESEARCH*
Norton, N., Fox, N., McCarl, C., Tenner, K. S., Ballman, K., Erskine, C. L., Necela, B. M., Northfelt, D., Tan, W. W., Calfa, C., Pegram, M., Colon-Otero, G., Perez, et al
2018; 20: 52
- **Innovative Strategies: Targeting Subtypes in Metastatic Breast Cancer.** *American Society of Clinical Oncology educational book. American Society of Clinical Oncology. Annual Meeting*
Pegram, M. D., Zong, Y., Yam, C., Goetz, M. P., Moulder, S. L.
2018: 65–77
- **Endocrine therapy and related issues in hormone receptor-positive early breast cancer: a roundtable discussion by the breast cancer therapy expert group (BCTEG)** *BREAST CANCER RESEARCH AND TREATMENT*
Abraham, J., Caldera, H., Coleman, R., Elias, A., Goetz, M. P., Kittaneh, M., Lower, E., Mahtani, R., Mamounas, E., Pegram, M., Rugo, H., Schwartzberg, L., Traina, et al
2018; 169 (1): 1–7
- **Electrophoretic cytopathology resolves ERBB2 forms with single-cell resolution** *NPJ PRECISION ONCOLOGY*
Kang, C., Ward, T. M., Bockhorn, J., Schiffman, C., Huang, H., Pegram, M. D., Herr, A. E.
2018; 2: 10
- **Anti-HER2 scFv-directed extracellular vesicle-mediated mRNA-based gene delivery inhibits growth of HER2-positive human breast tumor xenografts by prodrug activation.** *Molecular cancer therapeutics*
Wang, J., Forterre, A. V., Zhao, J., Frimannsson, D. O., Delcayre, A., Antes, T. J., Efron, B., Jeffrey, S. S., Pegram, M. D., Matin, A. C.
2018
- **Targeted disruption of transcriptional effector GLI2 attenuates breast tumor growth and metastasis**
Beachy, P., Cai, S., Ma, Y., Hatakeyama, J., Zhao, C., Stoffels, M., Verhaegh, W., van de Stolpe, A., Pegram, M.
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