Stanford

James Ford

Professor of Medicine (Oncology) of Genetics and, by courtesy, of Pediatrics

Medicine - Oncology

NIH Biosketch available Online

CLINICAL OFFICE (PRIMARY)

- **Clinical Cancer and Genomics**

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  Stanford, CA 94305

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ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

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Bio

BIO

Dr. Ford is a medical oncologist and geneticist at Stanford, devoted to studying the genetic basis of breast and GI cancer development, treatment and prevention. Dr. Ford graduated in 1984 Magna Cum Laude (Biology) from Yale University where he later received his M.D. degree from the School of Medicine in 1989. He was a internal medicine resident (1989-91), Clinical Fellow in Medical Oncology (1991-94), Research Fellow of Biological Sciences (1993-97) at Stanford, and joined the faculty in 1998. He is currently Professor of Medicine (Oncology) and Genetics, and Director of the Stanford Cancer Genetics Clinic and the Cancer Genomics Program at the Stanford University Medical Center.

Dr. Ford's research goals are to understand the role of genetic changes in cancer genes in the risk and development of common cancers. He studies the role of the p53 and BRCA1 tumor suppressor genes in DNA repair, and uses techniques for high-throughput genomic analyses of cancer to identify molecular signatures for targeted therapies. Dr. Ford's clinical interests include the diagnosis and treatment of patients with a hereditary pre-disposition to cancer. He runs the Stanford Cancer Genetics Clinic, that sees patients for genetic counseling and testing of hereditary cancer syndromes for prevention and early diagnosis of cancer in high-risk individuals and populations. He has recently been named the Director of Stanford's new Cancer Genomics Program, performing next-generation tumor profiling to identify novel genetic targets for personalized targeted therapies, and directs the Molecular Tumor Board.

Dr. Ford is an editor of numerous scientific journals, including Cancer Research, DNA Repair, and PLoS Genetics. He has recently been named the founding Editor-in-Chief of JCO Precision Oncology.

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CLINICAL FOCUS

- Cancer > GI Oncology
- Cancer Genetics

- Gastrointestinal Cancers - Genetics
- Gastrointestinal Cancers - Medical Oncology
- Breast Cancer - Genetics
- Ovarian Cancer - Genetics
- Medical Oncology
- Molecular Tumor Board

ACADEMIC APPOINTMENTS

- Professor, Medicine - Oncology
- Professor, Genetics
- Professor (By courtesy), Pediatrics
- Member, Bio-X
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Founding Director, Stanford Clinical Cancer Genetics Program, (2000- present)
- Director, Oncology Fellowship Training Program, (2002-2015)
- Director, Stanford Clinical Cancer Genomics, (2013- present)
- Associate Director of Education and Training, Stanford Cancer Institute, (2018- present)

HONORS AND AWARDS

- Member, Western Society for Clinical Investigation (2007)
- Top Doctor for Cancer, Castle Connolly (2008 -)
- Council Chair, California Breast Cancer Research Program (2009 - 10)
- Medical Oncology, Best Doctors in America (2013 -)
- Editor-in-Chief, JCO Precision Oncology Journal (2016 - 2020)
- FASCO, ASCO (2017)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Board of Directors, Gastric Cancer Foundation (2008 - 2017)
- Scientific Advisory Board, V Foundation (2006 - present)
- Member, ASCO Cancer Prevention Committee (2013 - 2016)

PROFESSIONAL EDUCATION

- Medical Education: Yale School Of Medicine (1989) CT
- Fellowship: Stanford University Hematology and Oncology Fellowship (1994) CA
- Residency: Stanford University Internal Medicine Residency (1991) CA
- Internship: Stanford University Internal Medicine Residency (1990) CA
- M.D., Yale Medical School , Medicine (1989)
- Board Certification: Medical Oncology, American Board of Internal Medicine (2005)
- Maintenance of Certification, Medical Oncology , American Board of Internal Medicine (2015)

COMMUNITY AND INTERNATIONAL WORK

- The Hong Kong High Risk Breast Cancer Programme and Family Registry

LINKS

- Video Story: https://stanfordhealthcare.org/stanford-health-care-now/why-i-got-into-medicine/why-medicine-james-ford-md.html
- Ford Lab Site: http://jamesfordlab.stanford.edu/
- Get a Second Opinion: https://stanfordhealthcare.org/second-opinion/overview.html

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

The major investigative focus of this laboratory and translational research program is to explore the mammalian genetic determinants of the inducible response and cellular sensitivity to DNA damage, focusing particularly on the effects of the p53 and BRCA1 gene products on DNA repair and cancer susceptibility. We have found that loss of p53 and BRCA1 function results in defective repair of DNA damage, including effects on homologous recombination, nucleotide and base-excision repair. In addition, we are exploring ways to exploit the DNA repair deficiency of p53 and BRCA1 mutant cancer cells and to identify targeted therapeutic approaches for the treatment and prevention of related cancers.

Role of BRCA1 in base-excision DNA repair (BER): BRCA1 appears to have complex regulatory effects on multiple DNA repair pathways in addition to their shared role in homologous-recombination and DNA double strand break repair. We first described that breast cancer cell lines mutant for the BRCA1 gene exhibit sensitivity to oxidative DNA damage. We also developed a novel viral based “host-cell reactivation” assay to measure the repair of oxidative DNA damage in living cells using an adenoviral GFP reporter gene, and demonstrated that BRCA1 mutant cells were defective in BER.

Discovery of small molecules that activate BER and may prevent BRCA1-associated tumors: We designed and performed a high-throughput screen to identify small-molecules that enhance DNA repair in a BRCA1 mutant background, and thus may serve as candidate agents for prevention of cancer by enhancing DNA repair and interrupting multistep mutagenesis. Several of these drugs are potentially “repurposeable” and are currently or were previously used in humans for other indications. We have shown activity of two in preventing the development of BRCA1-associated breast cancers in mice and are developing plans for a clinical trial using the lead hit for prevention of BRCA1-associated premalignant changes in ovaries from women undergoing risk-reducing bilateral oopherectomies.

Clinical translation of Next-Generation Sequencing for hereditary cancer risk assessment: We recently led the first clinical study of next-generation gene panel DNA sequencing among women referred for breast cancer risk assessment using germline DNA samples from our large translational research biobank containing more than 2000 specimens, all donated by individuals tested for BRCA1/2 or other gene mutations. We found that >10% of patients had potentially pathogenic mutations in genes other than BRCA1/2, thus doubling the rate of identified germline cancer susceptibility gene alterations in this population, a discovery that has enabled early detection of cancers.

Targeting TNBC and other malignancies with DNA damaging drugs and PARP: We found through preclinical studies and clinical trials that nearly all BRCA mutation associated breast cancer, and approximately half of non-BRCA mutant TNBC exhibit clinical sensitivity to platinum chemotherapy and synthetic lethality with PARP inhibitors. As part of these efforts, we performed extensive correlative studies on tumor tissue and germline DNA samples obtained from patients enrolled in a large, multi-institutional neoadjuvant clinical trial, using gene expression microarrays, DNA copy-number analyses, and germline DNA sequencing. We described a bioinformatic measure of homologous recombination deficiency (HRD) that is highly predictive of clinical response in these patients. Our current and future research goals in this area is to leverage our expertise in germline and tumor genomics to identify

patients with breast and other cancers harboring DNA repair gene defects and HRD for treatment using PARP inhibitors and other DNA repair directed therapies (ATR and DNA-PK inhibitors). We have also developed breast cancer cell lines resistant to PARP-inhibitors and are exploring the mechanism for this drug resistance.

CLINICAL TRIALS

- Clinical & Pathological Studies of Upper Gastrointestinal Carcinoma, Recruiting
- Genetic & Pathological Studies of BRCA1/BRCA2: Associated Tumors & Blood Samples, Recruiting
- Genomic Profiling in Recommending Treatment for Patients With Metastatic Solid Tumors, Recruiting
- Molecular and Cellular Profiling of Uterine Lavage Collected During Gynecologic Surgery, Recruiting
- Targeted Therapy Directed by Genetic Testing in Treating Patients With Locally Advanced or Advanced Solid Tumors, The ComboMATCH Screening Trial, Recruiting
- The Gastric Cancer Foundation: A Gastric Cancer Registry, Recruiting
- A Phase 2 Study of Standard Chemotherapy Plus BSI-201 (a PARP Inhibitor) in the Neoadjuvant Treatment of Triple Negative Breast Cancer, Not Recruiting
- A Study of Pertuzumab in Combination With Trastuzumab and Chemotherapy in Participants With Human Epidermal Growth Factor Receptor 2 (HER2)-Positive Metastatic Gastroesophageal Junction or Gastric Cancer, Not Recruiting
- A Study of Trastuzumab Emtansine Versus Taxane in Participants With Human Epidermal Growth Factor Receptor 2 (HER2)-Positive Advanced Gastric Cancer, Not Recruiting
- A Study of Zenocutuzumab (MCLA-128) in Patients With Solid Tumors Harboring an NRG1 Fusion (eNRGy), Not Recruiting
- A Study to Test the Safety of the Investigational Drug Selitrectinib in Children and Adults That May Treat Cancer, Not Recruiting
- Assessments of Genetic Counseling Augmented With an Educational Video or Pamphlet Versus Traditional Counseling, Not Recruiting
- Basket Study of Neratinib in Participants With Solid Tumors Harboring Somatic HER2 or EGFR Exon 18 Mutations, Not Recruiting
- Comprehensive Screening for Women at High Genetic Risk for Developing Breast Cancer, Not Recruiting
- Efficacy and Safety of Pemigatinib in Previously Treated Locally Advanced/Metastatic or Surgically Unresectable Solid Tumor Malignancies Harboring Activating FGFR Mutations or Translocations (FIGHT-207), Not Recruiting
- Javelin BRCA/ATM: Avelumab Plus Talazoparib in Patients With BRCA or ATM Mutant Solid Tumors, Not Recruiting
- Molecular Genetic Studies of Childhood Brain Tumors and Blood Samples, Not Recruiting
- My Pathway: A Study Evaluating Herceptin/Perjeta, Tarceva, Zelboraf/Cotellic, Erivedge, Alecensa, and Tecentriq Treatment Targeted Against Certain Molecular Alterations in Participants With Advanced Solid Tumors, Not Recruiting
- Olaparib in gBRCA Mutated Pancreatic Cancer Whose Disease Has Not Progressed on First Line Platinum-Based Chemotherapy, Not Recruiting
- Phase 2 Study of Lovastatin as Breast Cancer Chemoprevention, Not Recruiting
- Study is Designed to Assess the Safety and Tolerability of AZD4547 at Increasing Doses in Patients With Advanced Tumours, Not Recruiting
- Study of Chemotherapy Plus Ipatasertib for People With Solid Tumors With PTEN/AKT Mutations, A ComboMATCH Treatment Trial, Not Recruiting
- Study of GSK1363089 in Metastatic Gastric Cancer, Not Recruiting
- Targeted Therapy Directed by Genetic Testing in Treating Patients With Advanced Refractory Solid Tumors, Lymphomas, or Multiple Myeloma (The MATCH Screening Trial), Not Recruiting
- Tucatinib Plus Trastuzumab and Oxaliplatin-based Chemotherapy or Pembrolizumab-containing Combinations for HER2+ Gastrointestinal Cancers, Not Recruiting
- Tucatinib Plus Trastuzumab in Patients With HER2+ Colorectal Cancer, Not Recruiting

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cancer Biology (Phd Program)
- Genetics (Phd Program)

- Medicine (Masters Program)

Publications

PUBLICATIONS

- **A SMUG1 Inhibitor Modulates the Excision of Pyrimidine DNA Damage.** *ACS medicinal chemistry letters*
  Thacker, P. S., Gao, Y., McPherson, L., Lee, A., Averill, A. M., Pratihar, S., Doublié, S., Ford, J. M., Kool, E. T.
  2026; 17 (6): 1285-1293

- **Phase II Study of Adavosertib in Patients With Tumors Containing BRCA1 and BRCA2 Mutations: Results From the NCI-MATCH ECOG-ACRIN Cancer Research Group (EAY131) Subprotocol Z1I.** *JCO precision oncology*
  Kummar, S., Song, Z., Reiss, K. A., Ford, J. M., Chen, L., Rolig, A. S., Zwiebel, J. A., Gore, S. D., Gray, R. J., Wang, V., McShane, L. M., Rubinstein, L. V., Patton, et al
  2026; 10 (6): e2500769

- **Evaluating a Mendelian Risk Prediction Model That Aggregates Across Genes and Cancers.** *Genetic epidemiology*
  Liang, J. W., Idos, G. E., Hong, C., Shannon, K. M., Bear, L. M., Pichardo, J. M., Guan, Z., McCarthy, A. M., Ford, J. M., Kurian, A. W., Gruber, S. B., Braun, D., Parmigiani, et al
  2026; 50 (3): e70038

- **Polyclonal origins of human premalignant colorectal lesions.** *Nature*
  Van Egeren, D., Schenck, R. O., Khan, A., Horning, A. M., Mo, S., Weiß, C. L., Esplin, E. D., Becker, W. R., Wu, S., Hanson, C., Barapour, N., Jiang, L., Contrepois, et al
  2025

- **Functional Characterization of SDHB Variants Clarifies Hereditary Pheochromocytoma and Paraganglioma Risk and Genotype-Phenotype Relationships.** *The Journal of clinical investigation*
  Lee, S., Needleman, L., Park, J., Schugar, R. C., Guo, Q., Ford, J. M., Annes, J. P.
  2025

- **PARP inhibitor and PRMT5 inhibitor synergy is independent of BRCA1/2 and MTAP status in breast cancer cells.** *Scientific reports*
  Suresh, S., McPherson, L., Ford, J. M.
  2025; 15 (1): 36766

- **A Four Amino Acid Intracellular Motif of VISTA Blocks Growth Receptor Signaling in Cancer Cells to Induce Tumor Suppression.** *Cancer research*
  Zhao, Y., Andoh, T., Charles, F., Reddy, P., Paul, K., Goar, H., Durdana, I., Golder, C. J., Hardy, A. N., Juntilla, M. M., Yang, S. R., Lin, C. Y., Sagiv-Barfi, et al
  2025

- **Atriple-punch approach: methionine restriction enhances combination inhibitors in brain metastatic triple-negative breast cancer** *JOURNAL OF CLINICAL INVESTIGATION*
  Suresh, S., Ford, J. M.
  2025; 135 (13)

- **Germline genetic testing in patients with uterine serous carcinoma at a tertiary academic center.**
  Tostrud, L., Bagci Turkmen, S., Dorigo, O., Ford, J. M., Kingham, K., Kurian, A. W., Ghezelayagh, T.
  LIPPINCOTT WILLIAMS & WILKINS.2025: e17640

- **MDM2 inhibition is associated with the emergence of TP53-altered clonal hematopoiesis.** *NPJ precision oncology*
  Khanna, V., Eslami, G., Reyes, R., Diep, R., Fernandez-Pol, S., Stehr, H., Suarez, C. J., Pinto, H., Ford, J. M., Zhang, T. Y., Chen, C. T.
  2025; 9 (1): 34

- **Small-molecule activator of SMUG1 enhances repair of pyrimidine lesions in DNA.** *DNA repair*
  Gao, Y., McPherson, L., Adimoolam, S., Suresh, S., Wilson, D. L., Das, I., Park, E. R., Ng, C. S., Jun, Y. W., Ford, J. M., Kool, E. T.
  2025; 146: 103809

- **Multiomic analysis of familial adenomatous polyposis reveals molecular pathways associated with early tumorigenesis.** *Nature cancer*
  Esplin, E. D., Hanson, C., Wu, S., Horning, A. M., Barapour, N., Nevins, S. A., Jiang, L., Contrepois, K., Lee, H., Guha, T. K., Hu, Z., Laquindanum, R., Mills, et al

2024

- **Global loss of promoter-enhancer connectivity and rebalancing of gene expression during early colorectal cancer carcinogenesis.** *Nature cancer*

  Zhu, Y., Lee, H., White, S., Weimer, A. K., Monte, E., Horning, A., Nevins, S. A., Esplin, E. D., Paul, K., Krieger, G., Shipony, Z., Chiu, R., Laquindanum, et al

  2024

- **Germline CDH1 Variants and Lifetime Cancer Risk.** *JAMA*

  Ryan, C. E., Fasaye, G. A., Gallanis, A. F., Gamble, L. A., McClelland, P. H., Duemler, A., Samaranayake, S. G., Blakely, A. M., Drogan, C. M., Kingham, K., Patel, D., Rodgers-Fouche, L., Siegel, et al

  2024

- **Identifying homologous recombination deficiency in breast cancer: genomic instability score distributions differ among breast cancer subtypes.** *Breast cancer research and treatment*

  Lenz, L., Neff, C., Solimeno, C., Cogan, E. S., Abramson, V. G., Boughey, J. C., Falkson, C., Goetz, M. P., Ford, J. M., Gradishar, W. J., Jankowitz, R. C., Kaklamani, V. G., Marcom, et al

  2023

- **The New NCI Precision Medicine Trials.** *Clinical cancer research : an official journal of the American Association for Cancer Research*

  Harris, L. N., Blanke, C. D., Erba, H. P., Ford, J. M., Gray, R. J., LeBlanc, M. L., Hu-Lieskovan, S., Litzow, M. R., Luger, S. M., Meric-Bernstam, F., O'Dwyer, P. J., Othus, M. K., Politi, et al

  2023

- **Clinical implications of conflicting variant interpretations in the cancer genetics clinic.** *Genetics in medicine : official journal of the American College of Medical Genetics*

  Zukin, E., Culver, J. O., Liu, Y., Yang, Y., Ricker, C. N., Hodan, R., Sturgeon, D., Kingham, K., Chun, N. M., Rowe-Teeter, C., Singh, K., Zell, J. A., Ladabaum, et al

  2023: 100837

- **Antitumour activity of neratinib in patients with HER2-mutant advanced biliary tract cancers.** *Nature communications*

  Harding, J. J., Piha-Paul, S. A., Shah, R. H., Murphy, J. J., Cleary, J. M., Shapiro, G. I., Quinn, D. I., Brana, I., Moreno, V., Borad, M., Loi, S., Spanggaard, I., Park, et al

  2023; 14 (1): 630

- **Therapeutic Implications of Oncogenic Missense HER2 (ERBB2) Mutations in Gastric Adenocarcinoma.** *JCO precision oncology*

  King, D. A., Weiel, J. J., Reyes, R., Mills, M., Itchon, A., Fisher, G. A., Ford, J. M., Suarez, C. J.

  2023; 7: e2200093

- **National Cancer Institute Combination Therapy Platform Trial with Molecular Analysis for Therapy Choice (ComboMATCH).** *Clinical cancer research : an official journal of the American Association for Cancer Research*

  Meric-Bernstam, F., Ford, J. M., O'Dwyer, P. J., Shapiro, G. I., McShane, L. M., Freidlin, B., O'Cearbhaill, R. E., George, S., Glade Bender, J., Lyman, G. H., Tricoli, J. V., Patton, D., Hamilton, et al

  2023

- **A phase II study of talazoparib monotherapy in patients with wild-type BRCA1 and BRCA2 with a mutation in other homologous recombination genes.** *Nature cancer*

  Gruber, J. J., Afghahi, A., Timms, K., DeWees, A., Gross, W., Aushev, V. N., Wu, H., Balcioglu, M., Sethi, H., Scott, D., Foran, J., McMillan, A., Ford, et al

  2022

- **Overall survival in the OlympiA phase III trial of adjuvant olaparib in patients with germline pathogenic variants in BRCA1/2 and high-risk, early breast cancer.** *Annals of oncology : official journal of the European Society for Medical Oncology*

  Geyer, C. E., Garber, J. E., Gelber, R. D., Yothers, G., Taboada, M., Ross, L., Rastogi, P., Cui, K., Arahmani, A., Aktan, G., Armstrong, A. C., Arnedos, M., Balmaña, et al

  2022

- **Circulating tumor DNA monitoring for early recurrence detection in epithelial ovarian cancer.** *Gynecologic oncology*

  Hou, J. Y., Chapman, J. S., Kalashnikova, E., Pierson, W., Smith-McCune, K., Pineda, G., Vattakalam, R. M., Ross, A., Mills, M., Suarez, C. J., Davis, T., Edwards, R., Boisen, et al

  2022

- **Somatic tumor mutations in moderate risk cancer genes: Targets for germline confirmatory testing.** *Cancer genetics*
  Llorin, H., Graf, M., Chun, N., Ford, J.
  2022; 268-269: 22-27
- **Enhancing Repair of Oxidative DNA Damage with Small-Molecule Activators of MTH1.** *ACS chemical biology*
  Lee, Y., Onishi, Y., McPherson, L., Kietrys, A. M., Hebenbrock, M., Jun, Y. W., Das, I., Adimoolam, S., Ji, D., Mohsen, M. G., Ford, J. M., Kool, E. T.
  2022
- **The Gastric Cancer Registry: A Genomic Translational Resource for Multidisciplinary Research in Gastric Cancer.** *Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology*
  Almeda, A. F., Grimes, S. M., Lee, H., Greer, S., Shin, G., McNamara, M., Hooker, A. C., Arce, M. M., Kubit, M., Schauer, M. C., Van Hummelen, P., Ma, C., Mills, et al
  2022
- **Single-cell analyses define a continuum of cell state and composition changes in the malignant transformation of polyps to colorectal cancer.** *Nature genetics*
  Becker, W. R., Nevins, S. A., Chen, D. C., Chiu, R., Horning, A. M., Guha, T. K., Laquindanum, R., Mills, M., Chaib, H., Ladabaum, U., Longacre, T., Shen, J., Esplin, et al
  2022
- **Personalised Risk Prediction in Hereditary Breast and Ovarian Cancer: A Protocol for a Multi-Centre Randomised Controlled Trial.** *Cancers*
  Archer, S., Fennell, N., Colvin, E., Laquindanum, R., Mills, M., Dennis, R., Stutzin Donoso, F., Gold, R., Fan, A., Downes, K., Ford, J., Antoniou, A. C., Kurian, et al
  2022; 14 (11)
- **A Novel Framework for the Next Generation of Precision Oncology Targets.** *JAMA oncology*
  Chen, C. T., Ford, J. M.
  2022
- **Somatic tumor testing implications for Lynch syndrome germline genetic testing.** *Cancer genetics*
  Barrus, K., Purington, N., Chun, N., Ladabaum, U., Ford, J. M.
  2022; 264-265: 16-22
- **Hereditary diffuse gastric cancer: updated clinical practice guidelines** *LANCET ONCOLOGY*
  Blair, V. R., McLeod, M., Carneiro, F., Coit, D. G., D'Addario, J. L., Dieren, J., Harris, K. L., Hoogerbrugge, N., Oliveira, C., van der Post, R. S., Arnold, J., Benusiglio, P. R., Bisseling, et al
  2020; 21 (8): E386–E397
- **The Human Tumor Atlas Network: Charting Tumor Transitions across Space and Time at Single-Cell Resolution.** *Cell*
  Rozenblatt-Rosen, O., Regev, A., Oberdoerffer, P., Nawy, T., Hupalowska, A., Rood, J. E., Ashenberg, O., Cerami, E., Coffey, R. J., Demir, E., Ding, L., Esplin, E. D., Ford, et al
  2020; 181 (2): 236–49
- **Germline Testing for Patients With BRCA1/2 Mutations on Somatic Tumor Testing** *JNCI CANCER SPECTRUM*
  Vlessis, K., Purington, N., Chun, N., Haraldsdottir, S., Ford, J. M.
  2020; 4 (1): pkz095
- **Mutation Rates in Cancer Susceptibility Genes in Patients With Breast Cancer With Multiple Primary Cancers.** *JCO precision oncology*
  Maxwell, K. N., Wenz, B. M., Kulkarni, A., Wubbenhorst, B., D'Andrea, K., Weathers, B., Goodman, N., Vijai, J., Lilyquist, J., Hart, S. N., Slavin, T. P., Schrader, K. A., Ravichandran, et al
  2020; 4
- **One Step Further Toward Defining the Exceptional Cancer Responder.** *Journal of the National Cancer Institute*
  Ford, J. M., Mitchell, B. S.
  2020
- **Prevalence of Lynch syndrome in women with mismatch repair-deficient ovarian cancer.** *Cancer medicine*
  Hodan, R. n., Kingham, K. n., Cotter, K. n., Folkins, A. K., Kurian, A. W., Ford, J. M., Longacre, T. n.
  2020

- **NCI-MATCH EAY131-Z1I: Phase II study of AZD1775, a wee-1 kinase inhibitor, in patients with tumors containing BRCA1 and BRCA2 mutations**
  Kummar, S., Li, S., Reiss, K., Ford, J. M., Mitchell, E. P., Zwiebel, J. A., Takebe, N., Gray, R. J., McShane, L. M., Rubinstein, L. V., Patton, D., Williams, P., Hamilton, et al
  AMER ASSOC CANCER RESEARCH.2019

- **HAT1 Coordinates Histone Production and Acetylation via H4 Promoter Binding.** *Molecular cell*
  Gruber, J. J., Geller, B., Lipchik, A. M., Chen, J., Salahudeen, A. A., Ram, A. N., Ford, J. M., Kuo, C. J., Snyder, M. P.
  2019

- **Association of Tumor Infiltrating Lymphocytes with Homologous Recombination Deficiency and BRCA1/2 Status in Patients with Early Triple-Negative Breast Cancer: A Pooled Analysis.** *Clinical cancer research : an official journal of the American Association for Cancer Research*
  Telli, M. L., Chu, C. n., Badve, S. S., Vinayak, S. n., Silver, D. P., Isakoff, S. J., Kaklamani, V. n., Gradishar, W. n., Stearns, V. n., Connolly, R. M., Ford, J. M., Gruber, J. J., Adams, et al
  2019

- **Genomics in medicine: a novel elective rotation for internal medicine residents.** *Postgraduate medical journal*
  Geng, L. N., Kohler, J. N., Levonian, P. n., Bernstein, J. A., Ford, J. M., Ahuja, N. n., Witteles, R. n., Hom, J. n., Wheeler, M. n.
  2019

- **Chromatin Remodeling in Response to BRCA2-Crisis.** *Cell reports*
  Gruber, J. J., Chen, J. n., Geller, B. n., Jäger, N. n., Lipchik, A. M., Wang, G. n., Kurian, A. W., Ford, J. M., Snyder, M. P.
  2019; 28 (8): 2182–93.e6

- **Comprehensive genomic characterization of breast tumors with BRCA1 and BRCA2 mutations.** *BMC medical genomics*
  Lal, A. n., Ramazzotti, D. n., Weng, Z. n., Liu, K. n., Ford, J. M., Sidow, A. n.
  2019; 12 (1): 84

- **High-Resolution Bisulfite-Sequencing of Peripheral Blood DNA Methylation in Early-Onset and Familial Risk Breast Cancer Patients.** *Clinical cancer research : an official journal of the American Association for Cancer Research*
  Chen, J. n., Haanpää, M. K., Gruber, J. J., Jäger, N. n., Ford, J. M., Snyder, M. P.
  2019

- **Increased MTH1-specific 8-oxodGTPase activity is a hallmark of cancer in colon, lung and pancreatic tissue.** *DNA repair*
  McPherson, L. A., Troccoli, C. I., Ji, D. n., Bowles, A. E., Gardiner, M. L., Mohsen, M. G., Nagathihalli, N. S., Nguyen, D. M., Robbins, D. J., Merchant, N. B., Kool, E. T., Rai, P. n., Ford, et al
  2019: 102644

- **Tumor Molecular Profiling Aids in Determining Tissue of Origin and Therapy for Metastatic Adenocarcinoma in a Patient With Multiple Primary Malignancies** *JCO PRECISION ONCOLOGY*
  Costa, H. A., Reyes, R., Mills, M., Zehnder, J. L., Sledge, G., Curtis, C., Ford, J. M., Suarez, C. J.
  2018; 2

- **Strategies For Clinical Implementation: Precision Oncology At Three Distinct Institutions** *HEALTH AFFAIRS*
  Nadauld, L. D., Ford, J. M., Pritchard, D., Brown, T.
  2018; 37 (5): 751–56

- **Precision oncology in advanced cancer patients improves overall survival with lower weekly healthcare costs.** *Oncotarget*
  Haslem, D. S., Chakravarty, I., Fulde, G., Gilbert, H., Tudor, B. P., Lin, K., Ford, J. M., Nadauld, L. D.
  2018; 9 (15): 12316–22

- **Homologous recombination deficiency (HRD) status predicts response to standard neoadjuvant chemotherapy in patients with triple-negative or BRCA1/2 mutation-associated breast cancer.** *Breast cancer research and treatment*
  Telli, M. L., Hellyer, J. n., Audeh, W. n., Jensen, K. C., Bose, S. n., Timms, K. M., Gutin, A. n., Abkevich, V. n., Peterson, R. N., Neff, C. n., Hughes, E. n., Sangale, Z. n., Jones, et al
  2018; 168 (3): 625–30

- **Totally Unexpected: Nonsyndromic CDH1 Mutations and Hereditary Diffuse Gastric Cancer Syndrome.** *JCO precision oncology*
  Ford, J. M.
  2017; 1: 1-2

- **IDH2 Mutation in a Patient with Metastatic Colon Cancer** *NEW ENGLAND JOURNAL OF MEDICINE*
  Zhang, B. M., Zehnder, J. L., Suarez, C. J.
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