Stanford

Branimir I. Sikic, M. D.

Professor of Medicine (Oncology), Emeritus

Medicine - Oncology

Curriculum Vitae available Online Resume available Online

CONTACT INFORMATION

- **Administrative Contact**

  Administrative assistant

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Bio

BIO

Branimir I. (Brandy) Sikic, M. D., is Professor of Medicine in the Division of Oncology at Stanford University School of Medicine. He was Director of the General Clinical Research Center and then Co-director of the Stanford University Center for Clinical and Translational Education and Research (Spectrum) and Director of the Stanford Clinical and Translational Research Unit (CTRU) from 1992-2017. He received his undergraduate education at Georgetown University, and an M. D. from the University of Chicago. He returned to Georgetown for his residency in internal medicine, and performed a research fellowship in cancer pharmacology at the National Cancer Institute and in medical oncology at Georgetown prior to his appointment to the Stanford University faculty in 1979. He has authored more than 250 publications, edited two books, and is the inventor of two U.S. patents. His publications have been cited more than 13,300 times and their research impact is very high, with an h-factor of 65. He has served on several advisory committees of the National Institutes of Health, including as chairman of the Experimental Therapeutics I Study Section. In 2005-6 he chaired the Scientific Program Committee for the American Society of Clinical Oncology (ASCO), and in 2008-9 was co-chair of the Program Committee of the American Association for Cancer Research (AACR). He founded the Central European Oncology Congress, held in Opatija, Croatia, and has directed it since 1998. In 2010 he was awarded the Katarina Zrinska medal for science and medicine by the president of Croatia. Dr. Sikic is a leader in the pharmacology of anticancer drugs and the development of new cancer therapies. His laboratory and clinical research programs closed in 2018. His research spanned the spectrum from molecular and genetic approaches in cancer cells to clinical trials in cancer patients. Dr. Sikic's laboratory studied mechanisms of drug resistance in cancer cells and the development of more effective cancer therapies. He has made major contributions to understanding the problem of multidrug resistance in cancer cells, tubulin dynamicity, IAP inhibitors, and the CCL2/CCR2 pathway. His most recent clinical trials of new anticancer drugs included Phase 1 studies of antibodies activating the T-cell regulating CD27 pathway and the macrophage regulating CD47 pathway.

ACADEMIC APPOINTMENTS

- Emeritus Faculty, Acad Council, Medicine - Oncology
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Scientific Program Committee Chair, American Society of Clinical Oncology, (2005-2006)
- Director, Clinical and Translational Research Unit, Stanford University, (2008-2017)
- Co-Director, Stanford Center for Clinical and Translational Education and Research, Stanford University, (2008-2017)

HONORS AND AWARDS

- Pfizer Visiting Professor in Clinical Pharmacology, Dartmouth University (1992)
- 70th Anniversary of the CRC lecture, British Association of Cancer Research (1993)
- Plenary lecturer in drug resistanc e, Netherlands Cancer Institute (1999)
- Oncology Teaching Award, Oncology Division, Stanford (2000)
- Best Doctors in America, "Best Doctors" annual survey (2002-13)
- John H. Blaffer Visiting Professor, M.D. Anderson Cancer Center (2003)
- Statesman Award, American Society of Clinical Oncology (2010)
- Presidential Medal for Science and Medicine, Government of Croatia (2010)

PROFESSIONAL EDUCATION

- Fellowship: Georgetown University Hospital (1979) DC
- Residency: Georgetown University Hospital (1975) DC
- Board Recertification, Medical Oncology , American Board of Internal Medicine (2010)
- Board Certification: Medical Oncology, American Board of Internal Medicine (1979)
- Fellowship: National Cancer Institute (1978) MD
- Board Certification: Internal Medicine, American Board of Internal Medicine (1975)
- Medical Education: University of Chicago School of Medicine (1972) IL
- B.S., Georgetown University , Biology (1968)
- M.D., University of Chicago , Medicine (1972)

COMMUNITY AND INTERNATIONAL WORK

- Central European Oncology Congress, Opatija, Croatia

PATENTS

- Branimir Sikic. "United States Patent 7,875,274 Protein Modulators of Resistance to Alkylating Agents", Leland Stanford Junior University, Jan 25, 2011
- Branimir Sikic, Kevin Chen. "United States Patent 5,830,697 P-Glycoprotein Mutant Resistant to Cyclosporin Modulation", Leland Stanford Junior University, Nov 3, 1998

LINKS

- Stanford Medical School - Sikic Laboratory: http://med.stanford.edu/labs/branimir_sikic/

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Our goals are to understand mechanisms of drug resistance in cancer cells and to develop more effective therapies. Current research ranges from biochemical and molecular studies in cellular models to Phase I and II clinical trials of new antibodies to activate the immune system as a cancer therapy. Our current phase I trial uses the Hu5F9-G4 monoclonal antibody discovered at Stanford, to inhibit the CD47 pathway and thus activate macrophages against cancers.

Laboratory projects include studies of the multidrug transporter P-glycoprotein, regulation of the MDR1 gene, and the role of beta tubulin gene expression in resistance to taxanes and vinca alkaloids. In addition, we are studying Hu5F9-G4 in mouse models of human ovarian cancers, used as a single agent and in combination with other antibodies and with chemotherapies.

CLINICAL TRIALS

- A Dose Escalation and Cohort Expansion Study of Anti-CD27 (Varlilumab) and Anti-PD-1 (Nivolumab) in Advanced Refractory Solid Tumors, Not Recruiting
- Genome, Proteome and Tissue Microarray in Childhood Acute Leukemia, Not Recruiting
- Phase 1 Trial of Hu5F9-G4, a CD47-targeting Antibody, Not Recruiting

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cancer Biology (Phd Program)
- Chemical and Systems Biology (Phd Program)

Publications

PUBLICATIONS

- **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-+

- **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

- **Reannotation and Analysis of Clinical and Chemotherapy Outcomes in the Ovarian Data Set From The Cancer Genome Atlas.** *JCO clinical cancer informatics*

  Villalobos, V. M., Wang, Y. C., Sikic, B. I.

  2018: 1–16

- **Evidence of a role for functional heterogeneity in multidrug resistance transporters in clinical trials of P-glycoprotein modulation in acute myeloid leukemia.** *Cytometry. Part B, Clinical cytometry*

  Marcelletti, J. F., Sikic, B. I., Cripe, L. D., Paietta, E.

  2018

- **Cabazitaxel is more active than first-generation taxanes in ABCB1(+) cell lines due to its reduced affinity for P-glycoprotein.** *Cancer chemotherapy and pharmacology*

  Duran, G. E., Derdau, V., Weitz, D., Philippe, N., Blankenstein, J., Atzrodt, J., Semiond, D., Gianolio, D. A., Mace, S., Sikic, B. I.

  2018; 81 (6): 1095–1103

- **Reannotation and Analysis of Clinical and Chemotherapy Outcomes in the Ovarian Data Set From The Cancer Genome Atlas** *JCO CLINICAL CANCER INFORMATICS*

  Villalobos, V. M., Wang, Y. C., Sikic, B.

  2018

- **Decreased levels of baseline and drug-induced tubulin polymerisation are hallmarks of resistance to taxanes in ovarian cancer cells and are associated with epithelial-to-mesenchymal transition** *BRITISH JOURNAL OF CANCER*

  Duran, G. E., Wang, Y. C., Moisan, F., Francisco, E. B., Sikic, B. I.

  2017; 116 (10): 1318-1328

- **The CD47 Macrophage Checkpoint as a New Immunotherapy Target**

  Sikic, B. I., Padda, S. K., Shah, S. A., Colevas, D., Narayanan, S., Fisher, G. A., Supan, D., Wakelee, H. A., Aoki, R., Pegram, M. D., Villalobos, V. M., Liu, J., Takimoto, et al

  ELSEVIER SCIENCE INC.2017: S108–S109

- **Chromatin-Remodeling Complex SWI/SNF Controls Multidrug Resistance by Transcriptionally Regulating the Drug Efflux Pump ABCB1** *CANCER RESEARCH*
  Dubey, R., Lebensohn, A. M., Bahrami-Nejad, Z., Marceau, C., Champion, M., Gevaert, O., Sikic, B. I., Carette, J. E., Rohatgi, R.
  2016; 76 (19): 5810-5821

- **Single Gene Prognostic Biomarkers in Ovarian Cancer: A Meta-Analysis** *PLOS ONE*
  Willis, S., Villalobos, V. M., Gevaert, O., Abramovitz, M., Williams, C., Sikic, B. I., Leyland-Jones, B.
  2016; 11 (2)

- **The miR-200 family differentially regulates sensitivity to paclitaxel and carboplatin in human ovarian carcinoma OVCAR-3 and MES-OV cells** *MOLECULAR ONCOLOGY*
  Brozovic, A., Duran, G. E., Wang, Y. C., Francisco, E. B., Sikic, B. I.
  2015; 9 (8): 1678-1693

- **Mechanisms of resistance to cabazitaxel.** *Molecular cancer therapeutics*
  Duran, G. E., Wang, Y. C., Francisco, E. B., Rose, J. C., Martinez, F. J., Coller, J., Brassard, D., Vrignaud, P., Sikic, B. I.
  2015; 14 (1): 193-201

- **Enhancement of paclitaxel and carboplatin therapies by CCL2 blockade in ovarian cancers** *MOLECULAR ONCOLOGY*
  Moisan, F., Francisco, E. B., Brozovic, A., Duran, G. E., Wang, Y. C., Chaturvedi, S., Seetharam, S., Snyder, L. A., Doshi, P., Sikic, B. I.
  2014; 8 (7): 1231-1239

- **Clinical trial designs for testing biomarker-based personalized therapies** *CLINICAL TRIALS*
  Lai, T. L., Lavori, P. W., Shih, M. I., Sikic, B. I.
  2012; 9 (2): 141-154

- **Molecular Pathways: Regulation and Therapeutic Implications of Multidrug Resistance** *CLINICAL CANCER RESEARCH*
  Chen, K. G., Sikic, B. I.
  2012; 18 (7): 1863-1869

- **NFKBIA Deletion in Glioblastomas.** *NEW ENGLAND JOURNAL OF MEDICINE*
  Bredel, M., Scholtens, D. M., Yadav, A. K., Alvarez, A. A., Renfrow, J. J., Chandler, J. P., Yu, I. L., Carro, M. S., Dai, F., Tagge, M. J., Ferrarese, R., Bredel, C., Phillips, et al
  2011; 364 (7): 627-637

- **Expression and Silencing of the Microtubule-Associated Protein Tau in Breast Cancer Cells** *MOLECULAR CANCER THERAPEUTICS*
  Spicakova, T., O'Brien, M. M., Duran, G. E., Sweet-Cordero, A., Sikic, B. I.
  2010; 9 (11): 2970-2981

- **A Network Model of a Cooperative Genetic Landscape in Brain Tumors** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
  Bredel, M., Scholtens, D. M., Harsh, G. R., Bredel, C., Chandler, J. P., Renfrow, J. J., Yadav, A. K., Vogel, H., Scheck, A. C., Tibshirani, R., Sikic, B. I.
  2009; 302 (3): 261-275

- **A Phase II Study of Gefitinib, 5-Fluorouracil, Leucovorin, and Oxaliplatin in Previously Untreated Patients with Metastatic Colorectal Cancer** *CLINICAL CANCER RESEARCH*
  Fischer, G., Kuo, T., Ramsey, M., Schwartz, E., Rouse, R., Cho, C. D., Halsey, J., Sikic, B. I.
  2008; 14 (21): 7074-7079

- **Differential gene expression patterns and interaction networks in BCR-ABL-positive and -negative adult acute lymphoblastic leukemias** *JOURNAL OF CLINICAL ONCOLOGY*
  Juric, D., Lacayo, N. J., Ramsey, M. C., Racevskis, J., Wiernik, P. H., Rowe, J. M., Goldstone, A. H., O'Dwyer, P. J., Paietta, E., Sikic, B. I.
  2007; 25 (11): 1341-1349

- **Regional activation of chromosomal arm 7q with and without gene amplification in taxane-selected human ovarian cancer cell lines** *GENES CHROMOSOMES & CANCER*
  Wang, Y. C., Juric, D., Francisco, B., Yu, R. X., Duran, G. E., Chen, G. K., Chen, X., Sikic, B. I.
  2006; 45 (4): 365-374

- **Phase I study of gefitinib, oxaliplatin, 5-fluorouracil, and leucovorin (IFOX) in patients with advanced solid malignancies** *INVESTIGATIONAL NEW DRUGS*
  Cho, C. D., Fisher, G. A., Halsey, J., Sikic, B. I.

2006; 24 (2): 117-123

- **Tumor necrosis factor-alpha-induced protein 3 as a putative regulator of nuclear factor-kappa B-mediated resistance to O-6-alkylating agents in human glioblastomas** *JOURNAL OF CLINICAL ONCOLOGY*
  Bredel, M., Bredel, C., Juric, D., Duran, G. E., Yu, R. X., Harsh, G. R., Vogel, H., Recht, L. D., Scheck, A. C., Sikic, B. I.
  2006; 24 (2): 274-287

- **Gene expression profiling differentiates germ cell tumors from other cancers and defines subtype-specific signatures** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Juric, D., Sale, S., Hromas, R. A., Yu, R., Wang, Y., Duran, G. E., Tibshirari, R., Einhorn, L. H., Sikic, B. I.
  2005; 102 (49): 17763-17768

- **Genetic and epigenetic modeling of the origins of multidrug-resistant cells in a human sarcoma cell line** *CANCER RESEARCH*
  Chen, K. G., Wang, Y. C., Schaner, M. E., Francisco, B., Duran, G. E., Juric, D., Huff, L. M., Padilla-Nash, H., Ried, T., Fojo, T., Sikic, B. I.
  2005; 65 (20): 9388-9397

- **Functional network analysis reveals extended gliomagenesis pathway maps and three novel MYC-interacting genes in human gliomas** *CANCER RESEARCH*
  Bredel, M., Bredel, C., Juric, D., Harsh, G. R., Vogel, H., Recht, L. D., Sikic, B. I.
  2005; 65 (19): 8679-8689

- **Phase II study of gefitinib, fluorouracil, leucovorin, and oxaliplatin therapy in previously treated patients with metastatic colorectal cancer** *40th Annual Meeting of the American-Society-of-Clinical-Oncology*
  Kuo, T., Cho, C. D., Halsey, J., Wakelee, H. A., Advani, R. H., Ford, J. M., Fisher, G. A., Sikic, B. I.
  AMER SOC CLINICAL ONCOLOGY.2005: 5613–19

- **High-resolution genome-wide mapping of genetic alterations in human glial brain tumors** *CANCER RESEARCH*
  Bredel, M., Bredel, C., Juric, D., Harsh, G. R., Vogel, H., Recht, L. D., Sikic, B. I.
  2005; 65 (10): 4088-4096

- **Gene expression profiles at diagnosis in de novo childhood AML patients identify FLT3 mutations with good clinical outcomes** *BLOOD*
  Lacayo, N. J., Meshinchi, S., Kinnunen, P., Yu, R., Wang, Y., Stuber, C. M., Douglas, L., Wahab, R., Becton, D. L., Weinstein, H., Chang, M. N., Willman, C. L., Radich, et al
  2004; 104 (9): 2646-2654

- **CCAAT/enhancer-binding protein beta (nuclear factor for interleukin 6) transactivates the human MDR1 gene by interaction with an inverted CCAAT box in human cancer cells** *MOLECULAR PHARMACOLOGY*
  Chen, G. K., Sale, S., Tan, T., Ermoian, R. P., Sikic, B. I.
  2004; 65 (4): 906-916

- **Modulation of resistance to idarubicin by the cyclosporin PSC 833 (valspodar) in multidrug-resistant cells.** *Journal of experimental therapeutics & oncology*
  Lacayo, N. J., Duran, G. E., Sikic, B. I.
  2003; 3 (3): 127-135

- **Preferential expression of a mutant allele of the amplified MDR1 (ABCB1) gene in drug-resistant variants of a human sarcoma** *GENES CHROMOSOMES & CANCER*
  Chen, G. K., Lacayo, N. J., Duran, G. E., Wang, Y., Bangs, C. D., Rea, S., Kovacs, M., Cherry, A. M., Brown, J. M., Sikic, B. I.
  2002; 34 (4): 372-383

- **MDR1 activation is the predominant resistance mechanism selected by vinblastine in MES-SA cells** *BRITISH JOURNAL OF CANCER*
  Chen, G. K., Duran, G. E., Mangili, A., Beketic-Oreskovic, L., Sikic, B.
  2000; 83 (7): 892-898

- **Loss of cyclosporin and azidopine binding are associated with altered ATPase activity by a mutant p-glycoprotein with deleted Phe(335)** *MOLECULAR PHARMACOLOGY*
  Chen, G. K., Lacayo, N. J., Duran, G. E., Cohen, D., Sikic, B. I.
  2000; 57 (4): 769-777

- **Modulation of multidrug resistance: A paradigm for translational clinical research** *ONCOLOGY-NEW YORK*
  Sikic, B. I.
  1999; 13 (5A): 183-187

- **Modulation and prevention of multidrug resistance by inhibitors of P-glycoprotein** *12th Bristol-Myers-Squibb Nagoya International Cancer Treatment Symposium*
  Sikic, B. I., Fisher, G. A., Lum, B. L., Halsey, J., BEKETICORESKOVIC, L., Chen, G.
  SPRINGER.1997: S13–S19

- **Multidrug-resistant human sarcoma cells with a mutant P-glycoprotein, altered phenotype, and resistance to cyclosporins** *JOURNAL OF BIOLOGICAL CHEMISTRY*
  Chen, G., Duran, G. E., Steger, K. A., Lacayo, N. J., Jaffrezou, J. P., Dumontet, C., Sikic, B. I.
  1997; 272 (9): 5974-5982

- **Resistance mechanisms in human sarcoma mutants derived by single-step exposure to paclitaxel (Taxol)** *CANCER RESEARCH*
  Dumontet, C., Duran, G. E., Steger, K. A., BEKETICORESKOVIC, L., Sikic, B. I.
  1996; 56 (5): 1091-1097

- **DECREASED MUTATION-RATE FOR CELLULAR-RESISTANCE TO DOXORUBICIN AND SUPPRESSION OF MDR1 GENE ACTIVATION BY THE CYCLOSPORINE PSC-833** *JOURNAL OF THE NATIONAL CANCER INSTITUTE*
  BEKETICORESKOVIC, L., Duran, G. E., Chen, G., Dumontet, C., Sikic, B. I.
  1995; 87 (21): 1593-1602

- **The reversal of multidrug resistance.** *Cancer treatment and research*
  Fisher, G. A., Lum, B. L., Sikic, B. I.
  1995; 78: 45-70

- **PREVALENCE OF MULTIDRUG-RESISTANCE RELATED TO ACTIVATION OF THE MDR1 GENE IN HUMAN SARCOMA MUTANTS DERIVED BY SINGLE-STEP DOXORUBICIN SELECTION** *CANCER RESEARCH*
  Chen, G., Jaffrezou, J. P., Fleming, W. H., Duran, G. E., Sikic, B. I.
  1994; 54 (18): 4980-4987

- **MUTATION-RATES AND MECHANISMS OF RESISTANCE TO ETOPOSIDE DETERMINED FROM FLUCTUATION ANALYSIS** *JOURNAL OF THE NATIONAL CANCER INSTITUTE*
  Jaffrezou, J. P., Chen, G., Duran, G. E., Kuhl, J. S., Sikic, B. I.
  1994; 86 (15): 1152-1158

- **PHASE-I TRIAL OF DOXORUBICIN WITH CYCLOSPORINE AS A MODULATOR OF MULTIDRUG-RESISTANCE** *JOURNAL OF CLINICAL ONCOLOGY*
  Bartlett, N. L., Lum, B. L., Fisher, G. A., BROPHY, N. A., EHSAN, M. N., Halsey, J., Sikic, B. I.
  1994; 12 (4): 835-842

- **MODULATION OF MULTIDRUG-RESISTANCE - AT THE THRESHOLD** *JOURNAL OF CLINICAL ONCOLOGY*
  Sikic, B. I.
  1993; 11 (9): 1629-1635

- **ALTERATION OF ETOPOSIDE PHARMACOKINETICS AND PHARMACODYNAMICS BY CYCLOSPORINE IN A PHASE-I TRIAL TO MODULATE MULTIDRUG RESISTANCE** *JOURNAL OF CLINICAL ONCOLOGY*
  Lum, B. L., Kaubisch, S., Yahanda, A. M., ADLER, K. M., JEW, L., EHSAN, M. N., BROPHY, N. A., Halsey, J., Gosland, M. P., Sikic, B. I.
  1992; 10 (10): 1635-1642

- **PHASE-I TRIAL OF ETOPOSIDE WITH CYCLOSPORINE AS A MODULATOR OF MULTIDRUG RESISTANCE** *JOURNAL OF CLINICAL ONCOLOGY*
  Yahanda, A. M., ADLER, K. M., Fisher, G. A., BROPHY, N. A., Halsey, J., Hardy, R. I., Gosland, M. P., Lum, B. L., Sikic, B. I.
  1992; 10 (10): 1624-1634

- **MULTIDRUG RESISTANCE (MDR1) GENE-EXPRESSION IN ADULT ACUTE LEUKEMIAS - CORRELATIONS WITH TREATMENT OUTCOME AND INVITRO DRUG SENSITIVITY** *BLOOD*
  Marie, J. P., Zittoun, R., Sikic, B. I.
  1991; 78 (3): 586-592

- **DISSOCIATION OF ANTITUMOR POTENCY FROM ANTHRACYCLINE CARDIOTOXICITY IN A DOXORUBICIN ANALOG** *SCIENCE*
  Sikic, B. I., EHSAN, M. N., Harker, W. G., FRIEND, N. F., Brown, B. W., Newman, R. A., Hacker, M. P., ACTON, E. M.
  1985; 228 (4707): 1544-1546

- **MULTIDRUG (PLEIOTROPIC) RESISTANCE IN DOXORUBICIN-SELECTED VARIANTS OF THE HUMAN SARCOMA CELL-LINE MES-SA** *CANCER RESEARCH*
  Harker, W. G., Sikic, B. I.
  1985; 45 (9): 4091-4096

- **DEVELOPMENT AND CHARACTERIZATION OF A HUMAN SARCOMA CELL-LINE, MES-SA, SENSITIVE TO MULTIPLE-DRUGS** *CANCER RESEARCH*
  Harker, W. G., MacKintosh, F. R., Sikic, B. I.
  1983; 43 (10): 4943-4950

- **QUANTIFICATION OF BLEOMYCIN PULMONARY TOXICITY IN MICE BY CHANGES IN LUNG HYDROXYPROLINE CONTENT AND MORPHOMETRIC HISTOPATHOLOGY** *CANCER RESEARCH*
  Sikic, B. I., Young, D. M., Mimnaugh, E. G., Gram, T. E.
  1978; 38 (3): 787-792

- **IMPROVED THERAPEUTIC INDEX OF BLEOMYCIN WHEN ADMINISTERED BY CONTINUOUS INFUSION IN MICE** *CANCER TREATMENT REPORTS*
  Sikic, B. I., Collins, J. M., Mimnaugh, E. G., Gram, T. E.
  1978; 62 (12): 2011-2017

- **A Phase I Trial of the ABCB1 Inhibitor, Oral Valspodar, in Combination With Paclitaxel in Patients With Advanced Solid Tumors.** *American journal of clinical oncology*
  Fracasso, P. M., Fisher, G. A., Goodner, S. A., Beumer, J. H., Egorin, M. J., Fears, C. L., Wildi, J. D., Jones, G. J., Pearce, T. E., Sikic, B. I.
  2023

- **Safety, tolerability and efficacy of agonist anti-CD27 antibody (varlilumab) administered in combination with anti-PD-1 (nivolumab) in advanced solid tumors.** *Journal for immunotherapy of cancer*
  Sanborn, R. E., Pishvaian, M. J., Callahan, M. K., Weise, A., Sikic, B. I., Rahma, O., Cho, D. C., Rizvi, N. A., Sznol, M., Lutzky, J., Bauman, J. E., Bitting, R. L., Starodub, et al
  2022; 10 (8)

- **Safety and activity of varlilumab, a novel and first-in-class agonist anti-CD27 antibody, for hematologic malignancies.** *Blood advances*
  Ansell, S. M., Flinn, I., Taylor, M. H., Sikic, B. I., Brody, J., Nemunaitis, J., Feldman, A., Hawthorne, T. R., Rawls, T., Keler, T., Yellin, M. J.
  2020; 4 (9): 1917–26

- **Genomic stability at the coding regions of the multidrug transporter gene ABCB1: insights into the development of alternative drug resistance mechanisms in human leukemia cells.** *Cancer drug resistance (Alhambra, Calif.)*
  Chen, K. G., Duran, G. E., Mogul, M. J., Wang, Y. C., Ross, K. L., Jaffrezou, J., Huff, L. M., Johnson, K. R., Fojo, T., Lacayo, N. J., Sikic, B. I.
  2020; 3: 959-979

- **The Syk inhibitor R406 is a modulator of P-glycoprotein (ABCB1)-mediated multidrug resistance** *PLOS ONE*
  Duran, G. E., Sikic, B. I.
  2019; 14 (1)

- **The Syk inhibitor R406 is a modulator of P-glycoprotein (ABCB1)-mediated multidrug resistance.** *PloS one*
  Duran, G. E., Sikic, B. I.
  2019; 14 (1): e0210879

- **Evidence of a role for functional heterogeneity in multidrug resistance transporters in clinical trials of P-glycoprotein modulation in acute myeloid leukemia** *CYTOMETRY PART B-CLINICAL CYTOMETRY*
  Marcelletti, J. F., Sikic, B. I., Cripe, L. D., Paietta, E.
  2019; 96 (1): 57–66

- **Expenditures on Oncology Drugs and Cancer Mortality-to-Incidence Ratio in Central and Eastern Europe** *ONCOLOGIST*
  Vrdoljak, E., Bodoky, G., Jassem, J., Popescu, R., Pirker, R., Cufer, T., Beslija, S., Eniu, A., Todorovic, V., Kopeckova, K., Kurteva, G., Tomasevic, Z., Sallaku, et al
  2019; 24 (1): E30–E37

- **A safety, tolerability, and pharmacokinetic analysis of two phase I studies of multitargeted small molecule tyrosine kinase inhibitor XL647 with an intermittent and continuous dosing schedule in patients with advanced solid malignancies** *CANCER CHEMOTHERAPY AND PHARMACOLOGY*
  Das, M., Padda, S. K., Frymoyer, A., Molina, J., Adjei, A., Lensing, J. L., Miles, D., Sikic, B. I., Wakelee, H. A.

2018; 82 (3): 541–50

- **A safety, tolerability, and pharmacokinetic analysis of two phase I studies of multitargeted small molecule tyrosine kinase inhibitor XL647 with an intermittent and continuous dosing schedule in patients with advanced solid malignancies.** *Cancer chemotherapy and pharmacology*
  Das, M., Padda, S. K., Frymoyer, A., Molina, J., Adjei, A., Lensing, J. L., Miles, D., Sikic, B. I., Wakelee, H. A.
  2018

- **Cabazitaxel is more active than first-generation taxanes in ABCB1(+) cell lines due to its reduced affinity for P-glycoprotein** *CANCER CHEMOTHERAPY AND PHARMACOLOGY*
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