



## Dhanya K. Nambiar

Instructor, Radiation Oncology - Radiation Therapy

### Bio

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#### ACADEMIC APPOINTMENTS

- Instructor, Radiation Oncology - Radiation Therapy

#### HONORS AND AWARDS

- Scholar-In- Training Award, AACR Radiation Sciences and Medicine (2021)
- Martin Brown Award for Excellence in Radiation Sciences, Dept. of Radiation Oncology, Stanford University (2018)
- AACR Travel Grant, Proteintech-AACR (2017)
- Young Researcher Awardee for 64th Lindau Nobel Laureate Meeting, Lindau Nobel Laureate Meetings Foundation, Germany (07/2014)
- Fulbright Doctoral Research Fellowship (2013-14), Fulbright, USA (07/2013)
- Senior Research Fellowship, Council for Scientific and Industrial Research, Govt. of India (08/2012 to 02/2015)
- Young Researcher Award, International Symposium on "Recent Advances in Cancer Research: Therapeutics to Chemoprevention (02/2012)
- Junior Research Fellowship, Council for Scientific and Industrial Research, Govt. of India (06/2009 to 06/2011)
- Junior Research Fellowship, Department of Biotechnology, Govt. of India (04/2009)

#### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Academic Editor, BMC Cancer (2021 - present)

### Publications

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#### PUBLICATIONS

- **Galectin-1-driven T cell exclusion in the tumor endothelium promotes immunotherapy resistance.** *The Journal of clinical investigation*  
Nambiar, D. K., Aguilera, T., Cao, H., Kwok, S., Kong, C., Bloomstein, J., Wang, Z., Rangan, V. S., Jiang, D., von Eyben, R., Liang, R., Agarwal, S., Colevas, et al  
2019
- **The Immune Subtypes and Landscape of Squamous Cell Carcinoma** *CLINICAL CANCER RESEARCH*  
Li, B., Cui, Y., Nambiar, D. K., Sunwoo, J. B., Li, R.  
2019; 25 (12): 3528–37
- **Silibinin Preferentially Radiosensitizes Prostate Cancer by Inhibiting DNA Repair Signaling.** *Molecular cancer therapeutics*  
Nambiar, D. K., Rajamani, P., Deep, G., Jain, A. K., Agarwal, R., Singh, R. P.  
2015
- **Hypoxia induces triglycerides accumulation in prostate cancer cells and extracellular vesicles supporting growth and invasiveness following reoxygenation.** *Oncotarget*  
Schlaepfer, I. R., Nambiar, D. K., Ramteke, A., Kumar, R., Dhar, D., Agarwal, C., Bergman, B., Graner, M., Maroni, P., Singh, R. P., Agarwal, R., Deep, G.

2015; 6 (26): 22836-22856

- **Aldehyde dehydrogenase 3A1 deficiency leads to mitochondrial dysfunction and impacts salivary gland stem cell phenotype.** *PNAS nexus*  
Viswanathan, V., Cao, H., Saiki, J., Jiang, D., Mattingly, A., Nambiar, D., Bloomstein, J., Li, Y., Jiang, S., Chamoli, M., Sirjani, D., Kaplan, M., Holsinger, et al  
2022; 1 (2): pgac056
- **Relationship between KEAP1/NFE2L2 pathway activation and radiation resistance in oral cavity cancer.**  
Guan, L., Cao, H., Hui, A., Kwok, S., Viswanathan, V., Nambiar, D., Eyben, R. V., Holmes, B., Kong, C., Diehn, M., Quynh-Thu Le  
AMER ASSOC CANCER RESEARCH.2021
- **VISTA immune-checkpoint blunts radiotherapy induced anti-tumor immune response.**  
Nambiar, D. K., Mehta, N., Maddineni, S., Cao, H., Viswanathan, V., Cheunkarndee, T., Cochran, J. R., Quynh Thu Le  
AMER ASSOC CANCER RESEARCH.2021
- **Y box binding protein 1 inhibition as a targeted therapy for ovarian cancer.** *Cell chemical biology*  
Tailor, D., Resendez, A., Garcia-Marques, F. J., Pandrala, M., Going, C. C., Bermudez, A., Kumar, V., Rafat, M., Nambiar, D. K., Honkala, A., Le, Q., Sledge, G. W., Graves, et al  
2021
- **The role of Glial cell derived neurotrophic factor in head and neck cancer.** *PloS one*  
Cao, H., He, Q., Eyben, R. v., Bloomstein, J., Nambiar, D. K., Viswanathan, V., Aggarwal, S., Kwok, S., Liang, R., Koong, A. J., Lewis, J. S., Kong, C., Xiao, et al  
2020; 15 (2): e0229311
- **Novel Aza-podophyllotoxin derivative induces oxidative phosphorylation and cell death via AMPK activation in triple-negative breast cancer.** *British journal of cancer*  
Tailor, D. n., Going, C. C., Resendez, A. n., Kumar, V. n., Nambiar, D. K., Li, Y. n., Dheeraj, A. n., LaGory, E. L., Ghoochani, A. n., Birk, A. M., Stoyanova, T. n., Ye, J. n., Giaccia, et al  
2020
- **Fisetin sensitizes the hypoxia induced chemotherapy resistance in head and neck cancer**  
Singh, R., Tailor, D., Nambiar, D., Malhotra, S.  
AMER CHEMICAL SOC.2019
- **Galectin-1 intensifies immunosuppression in head and neck cancer by boosting myeloid-derived suppressive cell (MDSC) expansion**  
Nambiar, D. K., Aguilera, T. A., Bloomstein, J., Jiang, D., Cao, H., Koong, A., Quynh Thu Le  
AMER ASSOC CANCER RESEARCH.2018
- **Aldehyde dehydrogenase 3A1 activation prevents radiation-induced xerostomia by protecting salivary stem cells from toxic aldehydes.** *Proceedings of the National Academy of Sciences of the United States of America*  
Saiki, J. P., Cao, H., Van Wassenhove, L. D., Viswanathan, V., Bloomstein, J., Nambiar, D. K., Mattingly, A. J., Jiang, D., Chen, C., Stevens, M. C., Simmons, A. L., Park, H. S., von Eyben, et al  
2018
- **Chemical Space Mimicry for Drug Discovery** *JOURNAL OF CHEMICAL INFORMATION AND MODELING*  
Yuan, W., Jiang, D., Nambiar, D. K., Liew, L. P., Hay, M. P., Bloomstein, J., Lu, P., Turner, B., Le, Q., Tibshirani, R., Khatri, P., Moloney, M. G., Koong, et al  
2017; 57 (4): 875-882
- **Targeting galectin-1 to improve therapeutic efficacy in head and neck cancers**  
Nambiar, D. K., Cao, H., Quynh Thu Le  
AMER ASSOC CANCER RESEARCH.2017
- **Silibinin attenuates ionizing radiation-induced pro-angiogenic response and EMT in prostate cancer cells** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*  
Nambiar, D. K., Rajamani, P., Singh, R. P.  
2015; 456 (1): 262-268
- **Silibinin inhibits aberrant lipid metabolism, proliferation and emergence of androgen-independence in prostate cancer cells via primarily targeting the sterol response element binding protein 1** *ONCOTARGET*  
Nambiar, D. K., Deep, G., Singh, R. P., Agarwal, C., Agarwal, R.  
2014; 5 (20): 10017-10033

- **Acacetin Inhibits In Vitro and In Vivo Angiogenesis and Downregulates Stat Signaling and VEGF Expression** *CANCER PREVENTION RESEARCH*  
Bhat, T. A., Nambiar, D., Tailor, D., Pal, A., Agarwal, R., Singh, R. P.  
2013; 6 (10): 1128-1139
- **In vitro and in vivo anticancer efficacy of silibinin against human pancreatic cancer BxPC-3 and PANC-1 cells** *CANCER LETTERS*  
Nambiar, D., Prajapati, V., Agarwal, R., Singh, R. P.  
2013; 334 (1): 109-117
- **Advances in Prostate Cancer Chemoprevention: A Translational Perspective** *NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL*  
Nambiar, D., Singh, R. P.  
2013; 65: 12-25
- **Usnic Acid Inhibits Growth and Induces Cell Cycle Arrest and Apoptosis in Human Lung Carcinoma A549 Cells** *NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL*  
Singh, N., Nambiar, D., Kale, R. K., Singh, R. P.  
2013; 65: 36-43
- **Fisetin inhibits various attributes of angiogenesis in vitro and in vivo-implications for angioprevention** *CARCINOGENESIS*  
Bhat, T. A., Nambiar, D., Pal, A., Agarwal, R., Singh, R. P.  
2012; 33 (2): 385-393
- **Effects of phytochemicals on ionization radiation-mediated carcinogenesis and cancer therapy** *MUTATION RESEARCH-REVIEWS IN MUTATION RESEARCH*  
Nambiar, D., Rajamani, P., Singh, R. P.  
2011; 728 (3): 139-157