

### *Research Publications*

1. Geetu Rose Varghese, Dipyaman Patra , Vishnu Sunil Jaikumar, Arathi Rajan, Neetha R Latha and **Priya Srinivas**:  $\beta$ hCG mediate immune suppression in BRCA1 deficient breast cancers. **Immunology**, **20.06.2023**. **IF : 7.397**: DOI: 10.1111/imm.13673
2. Dipyaman Patra, Geetu Rose Varghese, Krithiga Kuppuswamy, Neethu Krishnan, and Priya Srinivas, Defective Signaling of the BRCA1 Neighbouring gene, NBR2, leads to ER- $\alpha$  Negative tumors in mice and humans. **J. Vet. Anim. Sci.** **2022**; 53(4): 772-776 DOI: <https://doi.org/10.51966/jvas.2022.53.4.772-776>;
3. Arathi Rajan, Geetu R Varghese, Induprabha Yadev, Jaimie Anandan, Neetha R Latha, Dipyaman Patra, Neethu Krishnan, Krithiga Kuppusamy, Arathy V Warriar, Satej Bhushan, Revathy Nadhan, Ram Mohan Ram Kumar, Priya Srinivas: Modulation of BRCA1 mediated DNA damage repair by deregulated ER- $\alpha$  signaling in breast cancers. *Am J Cancer Res* 2022;12(1):17-47. **IF : 6.166**
4. Seema Devi R, Priya Srinivas and John E Thoppil, Evaluation of genoprotection against malathion induced toxicity by Orthosiphon thymiflorus (Roth) slessen. *Journal of Ayurveda and Integrative Medicine* 2021 Apr-Jun; 12(2): 320–329. **IF : 1.28**
5. Krithiga, K., Arathi, R., Geetu, R.V., Neetha, R.L., Dipyaman, P., Neethu, K., Arathy, W. and Priya, S. 2021. Partial genome analysis of COXI subunit- I region in mitochondrial DNA of canine mammary tumours. *J. Vet. Anim. Sci.* 52(1): 95-98. **IF : 0.963**
6. Nadhan, R., Patra, D., Krishnan, N., Rajan, A., Gopala, S., Ravi, D., & Srinivas, P. (2020). Perspectives on mechanistic implications of ROS inducers for targeting viral infections. *European Journal of Pharmacology*, 2021 Jan 5;890:173621. **IF : 4.432**
7. Revathy Nadhan, Jayashree V V, Satheesh K S, Sreelatha K H, C Nirmala, Santha S, P V Aysha, Sreelekha Y, R S Krishnapriya, B V Amritha K, Sreevidya P S, Arathi R, Neetha R L, Geetu R V, Ratheeshkumar T, Sarada A, Dev S U Jithin, T V A Kumar, **Priya Srinivas\***, BRCA1 promoter hypermethylation in human placenta: A hidden link with  $\beta$ -hCG expression, *Carcinogenesis*, 2020;41(5):611-624. doi:10.1093/carcin/bgz117 **IF. 5.334**.
8. Rajan A, Nadhan R, Latha NR, Krishnan N, Warriar AV, Srinivas P. Deregulated estrogen receptor signaling and DNA damage response in breast tumorigenesis. *BBA -Reviews on Cancer*. 2020 Nov 28;1875(1):188482. **IF: 10.68**
9. **Priya Srinivas** & Madhavan Radhakrishna Pillai. Therapeutic application of nitric oxide in cancer & inflammatory disorders, 1st edition, L. Morbidelli, B. Bonavida, editors (Academic Press, Elsevier, UK)., Book Review. *The Indian Journal of Medical Research*. Volume 151, Number 4, April 2020. DOI: 10.4103/ijmr.IJMR\_2534\_19
10. Neetha R L, Arathi R, Revathy N, Sarada A, Satheesh K S, Sreelatha K H, Geetu Rose V, Ratheeshkumar T, Neethu K, Dipyaman Patra, Arathy Warriar, **Priya Srinivas\***. Gene expression signatures: A tool for analysis of breast cancer prognosis and therapy, *Crit Rev Oncol Hematol*. 2020;151:102964. doi:10.1016/j.critrevonc.2020.102964. **IF. 5.039**
11. Satheesh Kumar Sengodan, Sreelatha K Hemalatha, Revathy Nadhan, Thara Somanathan, Arun

- Peter Mathew, Arkadiusz Chil, Janusz Kopczynski, Rakesh Sathish Nair, Jerald MaheshKumar, **Priya Srinivas\***,  $\beta$ -hCG-induced mutant BRCA1 ignites drug resistance in susceptible breast tissue. *Carcinogenesis*. 2019;40(11):1415-1426. doi:10.1093/carcin/bgz070, **IF. 5.334**.
12. Krithiga Kuppasamy, Aarathi Rajan, Aarathy Warriar, Revathy Nadhan, Dipyaman Patra and **Priya Srinivas\***. Cytological Grading of Breast Tumors-The Human and Canine Perspective. *Front Vet Sci*. 2019;6:283. Published 2019 Aug 27. doi:10.3389/fvets.2019.00283 **IF.2.209**
  13. Sreelatha KH, Satheesh KS, Revathy N, Jithin Dev, Reshma R S, Veena S, Ratheeshkumar T, Arathi R, Neetha R L, Geetu R V, Arun Peter M, Thara S, and **Priya Srinivas\***. BRCA1 Defective Breast Cancer Cells Induce in vitro Transformation of Cancer Associated Fibroblasts (CAFs) to Metastasis Associated Fibroblasts (MAF). *Sci Rep*. 2018;8(1):13903. **IF. 4.01**.
  14. Shankar A, Thakur R, Meshram N, Kreditsu K, **Priya Srinivas**. NCI Summer Curriculum in Cancer Control and Prevention – A Practice Changing Course for Oncologists from Limited Resource Country Like India, *Asian Pac J Cancer Prev*. 2018;19(5):1157-1160. Published 2018 May 26. doi:10.22034/APJCP.2018.19.5.1157
  15. Satheesh Kumar Sengodan, Arathi Rajan, Sreelatha Krishnakumar Hemalatha, Revathy Nadhan, Abdul Jaleel and **Priya Srinivas\***. Proteomic profiling of  $\beta$ -hCG induced spheres in BRCA1 defective triple negative breast cancer cells. *J Proteome Res*. 2018;17(1):276-289. doi:10.1021/acs.jproteome.7b00562. **IF. 4,268**.
  16. Satheesh Kumar Sengodan, Sreelatha K.H., Revathy Nadhan, **Priya Srinivas\***. Regulation of epithelial to mesenchymal transition by BRCA1 in breast cancer. *Critical Reviews in Oncology / Hematology*, Volume 123, March 2018, Pages 74–82. **IF. 5.039**.
  17. Satheesh Kumar Sengodan, Revathy Nadhan, Rakesh Sathish Nair, Sreelatha K Hemalatha, Veena Somasundaram, Reshma R S, Arathi Rajan, Neetha R L, Geetu Rose Varghese, Ratheeshkumar Thankappan, Jerald Mahesh Kumar, Arkadiusz Chil, Thapasimuthu Vijayamma Anilkumar, **Priya Srinivas\***. BRCA1 regulation on  $\beta$ -hCG: A mechanism for tumorigenicity in BRCA1 defective breast cancer. *Oncogenesis*. 2017 Sep 4;6(9):e376. doi: 10.1038/oncsis.2017.75. **IF. 5.021**
  18. Rakesh Sathish Nair, Easwaran Potti Manoj, Ratheeshkumar Thankappan, Sivakumar Krishnankutty Chandrika, M.R. Prathapachandra Kurup and **Priya Srinivas\***.. Molecular trail for the anticancer behavior of a novel copper carbohydrazone complex in BRCA1 mutated breast cancer. *Molecular Carcinogenesis*. 2017 May;56(5):1501-1514. doi: 10.1002/mc.22610. **IF. 4.185**.
  19. Achyutuni S, Nadhan R, Sengodan SK and **Priya Srinivas\***. The Prodigious Network of Chromosome 17 miRNAs Regulating Cancer Genes that Influence the Hallmarks of Cancer. *Semin Oncol*. 2017;44(4):254-264. doi:10.1053/j.seminoncol.2017.11.001. **IF. 4.039**.
  20. Revathy N, Jayashree V V, Nirmala C, Satheesh K S, Sreelatha K H, Arathi R, Geetu Rose V, Neetha R L, Amritha K B V, Ratheeshkumar T, **Priya Srinivas\***. "Insights into dovetailing GTD and Cancers". *Crit Rev Oncol Hematol* 2017 Jun;114:77-90. doi: 10.1016/j.critrevonc.2017.04.001. **IF. 5.039**
  21. Veena Somasundaram, Sreelatha K Hemalatha, Krishnendu Pal, Sutapa Sinha, Asha S. Nair, Debabrata Mukhopadhyay, **Priya Srinivas\***.. Selective mode of action of plumbagin through BRCA1 deficient breast cancer stem cells *BMC Cancer*, 2016 May 26;16(1):336. doi:

- 10.1186/s12885-016-2372-4. **IF. 3.362**
22. Rakesh. S, Jerald. M. K, Jedy J, Veena S, Sreelatha K. H, Satheesh K S, Revathy, Anilkumar T & **Priva Srinivas\***., Increased sensitivity of *BRCA* defective triple negative breast tumors to plumbagin through induction of DNA Double Strand Breaks (DSB). *Scientific Reports*. 2016 May 25;6:26631. doi: 10.1038/srep26631. **IF. 5.578**
  23. Reshma RS, Sreelatha KH, Veena Somasundaram, Satheesh Kumar S, Revathy, Rakesh Sathish Nair, **Priva Srinivas\***. Plumbagin, a naphthaquinone derivative induces apoptosis and in *BRCA* 1/2 defective castrate resistant prostate cancer cells as well as prostate cancer stem- like cells. *Pharmacological Research* Volume 105, March 2016, Pages 134–145. . **IF. 4.408**
  24. Veena Somasundaram, Revathy Nathan, Sreelatha K H, Satheesh Kumar S, **Priva Srinivas\***. "Nitric Oxide and Reactive Oxygen Species: Clues to target Oxidative Damage Repair Defective Breast Cancers". *Critical Reviews in Oncology/Hematology*. 2016 May;101:184- 92. doi: 10.1016/j.critrevonc.2016.03.004. **IF.4.027**
  25. P.M. Aswathy, P.S. Jairani, Joe Verghese, Srinivas Gopala, Priya Srinivas\*. P.S. Mathuranath Progranulin mutation analysis: Identification of one novel mutation in exon 12 associated with frontotemporal dementia. *Neurobiology of Aging*. 2015, Dec 8. doi: 10.1016/j.neurobiolaging.2015.11.026. **IF.5.013**.
  26. Rakesh S Nair; Mini Kuriakose; Veena Somasundaram; Vinesh Shenoi; M.R.Prathapachandra Kurup; Priya Srinivas\*. The Molecular Response of a Novel Vanadium Complex of Nicotinoyl Hydrazone in Cervical Cancers - A Possible Interference with HPV Oncogenic Markers. *Life Sciences* 116 (2014) 90–97. **IF. 2.538**. **IF. 2.538**
  27. Vijayakurup V, Spatafora C, Tringali C, Jayakrishnan PC, Srinivas P, Gopala S. Phenethyl caffeate benzoxanthene lignan is a derivative of caffeic acid phenethyl ester that induces bystander autophagy in WiDr cells. *Mol Biol Rep*. 2014 Jan;41(1):85-94. doi: 10.1007/s11033-013-2840-8. Epub 2013 Nov 5. PMID: 24190489. **IF. 2. 381**
  28. Sinha, S., Pal, K., Elkhany, A., Dutta, S., Cao, Y., Mondal, G., Iyer, S., Somasundaram, V., Couch, F. J., Shridhar, V., Bhattacharya, R., Mukhopadhyay, D. and Priya Srinivas\*. Plumbagin inhibits tumorigenesis and angiogenesis of ovarian cancer cells in vivo. *Int. J. Cancer*: 132, 1201-1212 (2013). **IF 6.198**.
  29. Thasni KA, Ratheeshkumar T, Rojini G, Sivakumar KC, Rakesh Sathish Nair, Srinivas G, Asoke Banerji, Veena Somasundaram, Priya Srinivas\*. Structure activity relationship of Plumbagin in *BRCA1* related Cancer Cells. *Mol Carcinog*. 52, 392-403 (2013). **IF 4.269**.
  30. V Vijyakurup, Spatafora Carmela, Daquino Carmelo, Tringali Corrado, Priya Srinivas, S Gopala. Phenethyl caffeate benzo[k]xanthene lignan with DNA interacting properties induces DNA damage and apoptosis in colon cancer cells. *Life Sciences* , *Life Sci*. 2012 Dec 17;91(25-26):1336-44. **IF. 2.732**
  31. Priya S, Suboj Babykutty, Deepak Roshan V G, Rakesh S Nair, Priya Srinivas, Srinivas Gopala. Aloe emodin inhibits colon cancer cell migration/angiogenesis by downregulating MMP-2/9, RhoB and VEGF via reduced DNA binding activity of NF-κB. *European Journal of Pharmaceutical Sciences* 45: 581-591, 2012. **IF 3.29**.
  32. Krishnakumar G, Rameshkumar KB, Priya Srinivas, Satheeshkumar K, Krishnan PN. Estimation of camptothecin and pharmacological evaluation of *Ophiorrhiza prostrata* D. Don and *Ophiorrhiza mungos* L. *Asian Pacific Journal of Tropical Biomedicine* Volume 2, Issue 2, Supplement, February 2012, Pages S727-S731. **IF 0.527**.
  33. Suboj Babykutty, Priya S, Priya Srinivas, Asha S Nair, K Chandramohan, Srinivas Gopala. Insidious role of nitric oxide in migration/invasion of colon cancer cells by upregulating MMP-2/9 via activation of cGMP-PKG-ERK signaling pathways. *Clinical and Experimental Metastasis* 29: 471-492, 2012. **IF: 4.11**

34. Priya S, S Babykutty, Priya Srinivas, Srinivas Gopala. Aloe emodin induces G2/M cell cycle arrest, and apoptosis via activation of caspase- 6 in human colon cancer cells. *Pharmacology* 89: 91-98, 2012. IF: 1.8
35. Suboj Babykutty, Priya Prasanna Sathiadevan, Nandini RJ, Suresh Kumar MA, Mangalam S Nair, Priya Srinivas, Srinivas Gopala. Nimbolide retards tumor cell migration, invasion and angiogenesis by downregulating MMP-2/9 expression via inhibiting ERK1/2 and reducing DNA binding activity of NF- $\kappa$ B in colon cancer cells. *Molecular Carcinogenesis*, 51: 475-490, 2012. IF: 3.265
36. Somasundaram, V. and Srinivas, P. Insights into the targeted elimination of BRCA1-defective cancer stem cells. *Med. Res. Rev.*, 32: 948–967. doi: 10.1002/med.20229. 2012. IF: 10.7
37. Priya Srinivas, Chitta Ranjan Patra, Santanu Bhattacharya and Debabrata Mukhopadhyay. Cytotoxicity and ROS generating capacity of naphthaquinones is quenched when conjugated with gold nanoparticles. *International J of Nanomedicine*: 6 2113–2122, 2011. IF: 4.97.
38. Suboj Babykutty, Jose Padikkala. Priya Prasanna Sathiadevan, Vinod Vijayakurup, Thasni Karedath Abdul Azis, Priya Srinivas, Srinivas Gopala. Apoptosis Induction of *Centella Asiatica* on Human Breast Cancer Cells. *Afr.J.Trad.CAM*, 6 (1): 2009, pp. 9-16, 2009
39. K A Thasni, G Rojini, S. Nair Rakesh, Thankappan Ratheeshkumar, Mani Shankar Babu, Gopala Srinivas, Asoke Banerji, Priya Srinivas. Genistein induces apoptosis in ovarian cancer cells via different molecular pathways depending on Breast Cancer Susceptibility gene-gene-1 (BRCA1) status. *European Journal of Pharmacology*, Vol 588, 2-3, p 158-164. 2008. IF : 2.482
40. Thasni KA, Rakesh S, Rojini G, Ratheeshkumar T, Srinivas G, Priya Srinivas. Estrogen-dependent cell signaling and apoptosis in BRCA1-blocked BG1 ovarian cancer cells in response to plumbagin and other chemotherapeutic agents. *Ann Oncol* 19: 4; 696-705. doi:10.1093/annonc/mdm557, 2008. IF : 5.17
41. Sreekala Nair, Raghu Ram K Nair, Priya Srinivas, Gopal Srinivas, and M Radhakrishna Pillai. Radiosensitizing effect of plumbagin in cervical cancer cells is through the modulation of apoptotic pathway. *Molecular Carcinogenesis*, 47, (1), 22-33, 2008. IF : 3.265
42. Gopal S, Suboj Babykutty, Priya P S, Priya Srinivas. Molecular Mechanism of Emodin Action: Transition from Laxative Ingredient to an Antitumor Agent. *Medicinal Research Reviews*, 27 (5), 591-608, 2007. IF : 7.96
43. T.R. Cibin, G. Srinivas, D. Gayathri Devi, Priya Srinivas and Annie Abraham. Antioxidant and Antiproliferative Effects of Flavonoids from *Emilia sonchifolia* Linn on Human Cancer Cells. *International Journal of Pharmacology* 2 (5): 520-524, 2006.
44. Priya Srinivas, Gokul Gopinath, Asoke Banerji, Abhilash Dinakar, Gopal Srinivas. Plumbagin induces reactive oxygen species mediated apoptosis in human cervical cancer cells. *Mol. Carcinogenesis*, 39(1): 15-25, 2004. IF : 3.265
45. Gopal Srinivas, Lois A Annab, Gokul Gopinath, Asoke Banerji, Priya Srinivas\*. Antisense blocking of BRCA1 enhances the sensitivity to plumbagin but not tamoxifen in BG-1 ovarian cancer cells. *Mol Carcinogenesis*, 40; 201-211, 2004. <http://onlinelibrary.wiley.com/doi/10.1002/mc.10164/pdf>. IF : 3.265
46. Srinivas G, Anto RJ, Priya Srinivas, Vidhyalakshmi S, Senan VP, Karunagaran D. Emodin induces apoptosis of human cervical cancer cells through poly(ADP-ribose) polymerase cleavage and activation of caspase-9. *Eur J Pharmacol* 473(2-3):117-125, 2003. IF : 2.35
47. Priya Srinivas, E Abraham, I Ahamed, M Madhavan, N.R.Vijayalakshmi, M K Nair, P Balaram. Apoptotic index: use in predicting recurrence in breast cancer patients. *J Exp Clin Cancer Res*. 21(2), 233-238, 2002. F : 0.75
48. Priya Srinivas, Maya Madhavan, Iqbal Ahamed, Elizabeth Abraham, N.R. Vijayalakshmi, Prabha Balaram. Nm23H1 and p53 proteins are differentially correlated to metastasis in breast carcinoma.

- Neoplasma, 49, (4), 225-230, 2002. IF : 0.939
49. Maya Madhavan, Priya Srinivas, Elizabeth Abraham, Iqbal Ahmed, N.R. Vijayalakshmi and Prabha Balaram. Down Regulation of Endothelial Adhesion Molecules in Node Positive Breast Cancer: Possible Failure of Host Defense Mechanism. *Pathology Oncology Research* 8(2), 125–128, 2002. IF : 0.913
50. Maya Madhavan, Priya Srinivas, Elizabeth Abraham, Iqbal Ahmed, N.R. Vijayalakshmi and Prabha Balaram. Cadherins as Predictive Markers of Nodal Metastasis in Breast Cancer. *Mod Pathol* 4(5):423–427, 2001. IF : 3.398

### ***Book Chapters***

51. Nadhan R, Srinivas P, Pillai MR. RTKs in pathobiology of head and neck cancers. *Adv Cancer Res.* 2020; 147: 319-373. doi:10.1016/bs.acr.2020.04.008
52. Satheesh Kumar S, Sreelatha K H,, Revathy Nadhan, and **Priya Srinivas**\*. Role of BRCA1 in Breast Cancer Metastasis. Chapter 1, In the book "Gynecologic Cancers – Basic Sciences, Clinical and Therapeutic Perspectives ", ISBN 978-953-51-4278-2, InTech, Europe, March 2nd, 2016.
53. Reshma R S, Revathy Nadhan and **Priya Srinivas**\*. Plumbagin and Prostate Cancer Therapy. In the book "Complementary and Alternative Medicines in Prostate Cancer: A Comprehensive Approach", ISBN 9781498729871 - CAT# K26099, by CRC Press, December 6, 2016.

### **Commentary**

54. **Priya Srinivas** & Pillai MR. Challenges in modulating insulin receptor signalling as a therapeutic strategy for cancer. *Indian J Med Res.* 2018;147(6):530-532. doi:10.4103/ijmr.IJMR\_732\_18

### **Editorial:**

55. Priya Srinivas, David Wink, Kochupurackal P. Mohanakumar, M. Radhakrishna Pillai. The Legacy of Nitric Oxide: Impact on Disease Biology, Nitric Oxide Biology and Chemistry, Nitric Oxide. 2014 Dec 1;43:1-2. doi: 10.1016/j.niox.2014.09.005.

### **Indian Patent Granted.**

56. Dr.Priya Srinivas\*, Dr. M.R. Prathapachandra Kurup, Easwaran Potti Manoj, and Rakesh Sathish Nair. ["Synthesis and anticancer activity of a novel Cu (II) coordination complex" [Indian Patent application No.511/CHE/2007 granted 10th August 2017].

### **Special Editor:**

- The Legacy of Nitric Oxide: Impact on Disease Biology, Nitric Oxide Biology and Chemistry, Nitric Oxide. 2014 Dec 1;43:1-2. doi: 10.1016/j.niox.2014.09.005.

## Abstracts Published

57. Neetha Rajan Latha, Geetu Rose Varghese, Vishnu Sunil Jaikumar, Arathi Rajan, Revathy Nadhan, Arathy Warriier and Priva Srinivas\* Abstract B91: BRCA1 mutation in breast cancer cells and generation of metastasis associated fibroblasts. Cancer Immunol Res March 1 2020 (8) (3 Supplement) B91; DOI: 10.1158/2326-6074.TUMIMM19-B91. **IF 8.619.**
58. Geetu Rose Varghese, Vishnu Sunil Jaikumar, Arathi Rajan, Neetha Rajan Latha, Dipyaman Patra and Priva Srinivas\*. (2020).  $\beta$ hCG regulates immune cell population in BRCA1 mutated breast cancers. Cancer Immunol Res. Abstract A57: (8) (3 Supplement) A57; DOI: 10.1158/2326-6074.TUMIMM19-A57. **IF 8.619.**
59. Veena Somasundaram, Sreelatha KH, Reshma RS, Rakesh SN, Priva Srinivas\* „Carboplatin and ALDH1+ Breast Cancer Stem Cells: Unseen Facts. Annals of Oncology, Supplement 1, March, 2013, p i30. **IF 6.578.**
60. Sreelatha KH, Reshma RS, Veena Somasundaram, Rakesh SN, Thara Somanthan, Jem Prabhakar, Priva Srinivas\*. Influence of Cancer Associated Fibroblast (CAF) on human breast cancer cells in an invitro co-culture model. Annals of Oncology 24 Supplement 1, March, 2013, p i30. **IF 6.578.**
61. Priva Srinivas\*, Reshma RS, Rakesh S, Sreelatha KH, Veena Somasundaram. Novel phytochemical to target BRCA2 related prostate cancer. Annals of Oncology 24 Supplement 1, March, 2013, p i25. **IF 6.578.**
62. Priva Srinivas\*, Veena Somasundaram, Rakesh S, Thasni KA, Premakumari P, Srinivas G. *Multifaceted approach with a single drug for BRCA1 defective cancers. Current Medicinal Chemistry, Special Issue, (Abstract), p 107, 2011.,. IF: 4.63*
63. Priva Srinivas\* Rakesh S Nair, Prathapachandra Kurup M.R and Mini Kuriakose. Molecular trail for the action of a metal based drug in HPV positive cervical cancer cells. (Abstract), *Cancer Prevention Research: Volume 1, Issue 7, Supplement. doi: 10.1158/1940-6207.PREV-08-A71, November 2008. IF: 4.978*
64. Thasni K A, Rakesh S Nair, Rojini G, Ratheesh kumar T, Srinivas Gopal, Asoke Banerjj, Priva Srinivas\* Naphthaquinones - Promising anticancer agents against breast and ovarian cancer treatment. (Abstract) - Breast Cancer Research and Treatment, Vol 106, Supplement 1, December 2007. **IF : 4.2**
65. Thasni K A, Rojini G, Srinivas G, Asoke Banerji, Priva Srinivas\*. Molecular mechanism of action of plumbagin in BRCA1 blocked ovarian cancer cell line by suppression subtractive hybridization and micro array. (Abstract) Annals of Oncology, Volume 18, Supplement 4, May 2007. **IF : 5.17**
66. Priva Srinivas\*, Thasni K A, Rakesh S Nair, Rojini G, Ratheeshkumar T, Asoke Banerji, Srinivas G. Targeted anticancer therapy for BRCA1 blocked estrogen receptor positive ovarian cancers. (Abstract) Annals of Oncology, Volume 18, Supplement 4, May 2007. **IF : 5.17**
67. P Sathiadevan, S Babykkutty, C J jayakrishnan, S Gopala, Priva Srinivas. Aloe emodin, a natural anthraquinone targeting multiple facets (migration, invasion, angiogenesis) of tumour metastasis. September 2009. EJC Supplements 7(2):95-95.
68. Priya P S, Suboj B, Vinod V, Padmakrishnan. C. J, Priya Srinivas, Gopal Srinivas. Aloe emodin, a versatile anthraquinone targeting multiple facets (apoptosis, metastasis, angiogenesis) of cancer progression. (Abstract) European Journal of Cancer (Supplements), Vol 7 No 2, September 2009, Page 95.

## Conferences Presentations

1. **Priya Srinivas**, Shankar Sashidhar, Glycoprotein levels in cataractous Lens, Abstract, Proceedings Kerala Science Congress, 1995.
2. **Priya Srinivas**, Iqbal Ahmed, Elizabeth Abraham, K.S.Nair, P.P.Nair, V.G.Chellam, N.R.Vijayalekshmy, M.K.Nair & Prabha Balaram. NM23H1 and C-ERB B2 in Breast Cancers. National Conference on Molecular Diagnostics, Trivandrum, Kerala, June 27-29, 1998.
3. **Priya Srinivas**, Elizabeth Abraham, K.S.Nair, Iqbal Ahamed, Chellam.P.p.Nair, N.R.Vijayalakshmy, M.K.Nair and Prabha Balaram. IS NM23H1 Gene Related to Apoptosis in Breast Cancer. International Symposium on Apoptosis, October 30-31, 1998.
4. **Priya Srinivas**, Elizabeth Abraham, Iqbal Ahmed, Chellam V G, N R Vijayalakshmi, M K Nair and Prabha Balaram. P53 and PCNA expression as indicators of Metastasis in infiltrating Ductal Carcinomas. Abstract, p183-85, Proceedings of 11th Kerala Science Congress, Kasaragod, Feb 27- Mar 1, 1999.
5. **Priya Srinivas**, Prabha Balaram, Paul Murugan, Elizabeth Abraham, Iqbal Ahmed, N.R. Vijayalakshmi and M.K. Nair. C-erbB2 oncogene expression and its correlation with tumour suppressor genes, proliferation and other epidemiologic parameters in node negative and node positive breast cancers. XV Asia Pacific Cancer Conference, Madras, Dec. 12th - 15th, 1999.
6. **Priya Srinivas**, Elizabeth Abraham, Sukumaran N, Iqbal Ahamed, Balaraman Nair M, Prabha Balaram. Prognostic value of antimetastatic protein nm23H1 and tumor suppressor protein p53 in Breast cancers. Proceedings of 13th Kerala Science Congress, Jan, 2001.
7. Maya Madhavan, **Priya Srinivas**, Iqbal Ahmed, Elizabeth Abraham, N.R. Vijayalakshmi and Prabha Balaram. Cadherins as markers of nodal metastasis in breast cancers. 19<sup>th</sup> annual convention of Indian Association for Cancer Research, Thrissur, Jan 21-23, 2000.
8. **Priya Srinivas**, P Murugan, E Abraham, N.R. Vijayalakshmi, P Balaram. BRCA1 gene alterations in patients with breast cancer in Kerala: A preliminary report. Proceedings of 14th Kerala Science Congress, Jan 29-31, 2002.
9. Maya Madhavan, Prabha Balaram and **Priya Srinivas**. E-cadherin probably linked to cell proliferation in Breast Cancer. Proceedings of 14th Kerala Science Congress, Jan 29-31, 2002.
10. **Priya Srinivas**, Maya Madhavan, N. R. Vijayalakshmi, Prabha Balaram. Cyclin D1 and c-erbB-2 expression in breast cancer. IABMS, Pondicherry, 2002.
11. **Priya Srinivas**, Prabha Balaram, Sangeetha Mohan, Maya Madhavan, Iqbal Ahmed, Elizabeth Abraham and N.R. Vijayalakshmi. Alterations of p53 and BRCA1 genes in breast carcinoma. Indian Association for Cancer Research 22<sup>nd</sup> Annual Convention and International Symposium on Recent Advances in Cancer Causes and Control; Jan 10-12, 2003.
12. Maya Madhavan, Abraham E, Ahmed I, Vijayalakshmi N.R, **Srinivas P** and Balaram P. Beta Catenin mutations in relation to histology, stage and metastatic potential of breast cancer – A preliminary study. Indian Association for Cancer Research 22<sup>nd</sup> Annual Convention and International Symposium on Recent Advances in Cancer Causes and Control; Jan 10-12, 2003.
13. Srinivas G, Ruby John Anto, **Priya Srinivas**, Karunakaran D. Emodin induces apoptosis of human cervical cancer cells through induction of poly (ADP ribose) polymerase cleavage and activation of caspases. Abstract p 129, 22<sup>nd</sup> Annual meeting of Indian Association of Cancer Research, Thiruvananthapuram, January 10-12, 2003.
14. **Priya Srinivas** and Gopal Srinivas. Plumbagin inhibits nuclear translocation of ER $\alpha$  in BRCA1 blocked ER overexpressing BG-1 ovarian cancer cells. Indian Science Congress, Kolkatta, Jan,

- 2004.
15. Rojini.G, Thasni.K.A, Ratheeshkumar.T, Srinivas G and **Priya Srinivas**. Anticancer activity of genistein on BRCA1 blocked estrogen receptor (ER) positive Bg1 ovarian cancer cells. International Symposium on translational research ,apoptosis and cancer, 18<sup>th</sup> to 21<sup>st</sup> December 2005.
  16. Thansi KA, Srinivas G and **Priya Srinivas**. Plumbagin induces RAB 18 in the absence of BRCA1 in ovarian cancer cells. International Symposium on translational research, apoptosis and cancer, 18<sup>th</sup> to 21<sup>st</sup> December 2005.
  17. **Priya Srinivas**, Thansi KA and Rakesh.S A study of effects of Cisplatin and Doxorubicin in comparison to Plumbagin in BRCA1 blocked human ovarian cancer cells. SL.27 International Symposium on translational research, apoptosis and cancer, 18<sup>th</sup> to 21<sup>st</sup> December 2005.
  18. Sreekala Nair, **Priya Srinivas**, Reghuram Nair, and M Radhakrishna Pillai. Invitro characterization of plumbagin as a radiosensitizer for Cervical cancer cells. Pp 95, International Symposium on translational research ,apoptosis and cancer, 18<sup>th</sup> to 21<sup>st</sup> December 2005 (**Second best poster award**)
  19. Suboj Babykutty, Jose Padikkala, **Priya Srinivas**, Gopal Srinivas. Growth inhibitory and apoptosis inducing effect of methanolic extract of centella asiatica (L) in MCF-7 cells. Pp 60, International Symposium on translational research, apoptosis and cancer, 18<sup>th</sup> to 21<sup>st</sup> December 2005.
  20. Thasni K.A, Rakesh S, Rojini G, Ratheeshkumar T, Srinivas G, Asoke Banerji, **Priya Srinivas**. Plumbagin a magic bullet in BRCA1 mutated cancer therapy Abstract published in proceedings of national seminar conducted by societies for biotechnologists India, Kerala, December 2006.
  21. Thasni K A, Shivakumar K.C, **Priya Srinivas**. Mechanism of action of plumbagin in BRCA1 blocked ovarian cancer cells: an analysis by suppression subtractive hybridization (SSH) and micro array published in the proceedings of 19<sup>th</sup> kerala science congress held at Kannur, Kerala January 2007.
  22. Thasni K A, Rojini G, Srinivas G, Asoke Banerji, **Priya Srinivas** .Molecular mechanism of action of plumbagin in BRCA1 blocked ovarian cancer cell line by suppression subtractive hybridization and micro array Proceedings of the 5<sup>th</sup> International Symposium on Targeted Anticancer Therapies 2007, held at Amsterdam, The Netherlands on March 8-10, 2007.
  23. **Priya Srinivas**, Thasni K A, Rakesh S Nair, Rojini G, Ratheeshkumar T, AsokeBanerji, Srinivas G, Targeted anticancer therapy for BRCA1 blocked estrogen receptor positive ovarian cancers. Proceedings of the 5<sup>th</sup> International Symposium on Targeted Anticancer Therapies 2007, held at Amsterdam, The Netherlands on March 8-10, 2007
  24. Thasni K A, Rakesh S Nair, Rojini G, Ratheesh kumar T, Srinivas Gopal, Asoke Banerji, **Priya Srinivas** Naphthaquinones - Promising anticancer agents against breast and ovarian cancer treatment. 30<sup>th</sup> breast cancer symposium, San Antonio, Texas. December 2007.
  - 25..Rakesh S Nair, Sivakumar K.C., Eswaranpotti Manoj, Ratheesh kumar. T, M.R. Prathapachandra Kurup, Srinivas G and **Priya Srinivas**. Induced fit DNA recognition in a cisplatin binding groove by carbohydrazone: structural fluctuations investigated through molecular dynamics simulations. Proceedings of International Symposium on Computational Biology, Bioinformatics and Synthetic biology, held at Centre for Bioinformatics, University of Kerala, Thiruvananthapuram, India, January 2008.
  26. Sangeetha S Nampoothiri, Ratheeshkumar T, Rakesh S Nair, Thasni K A, Srinivas G and **Priya Srinivas**. Combination Therapy Using Taxol, Cisplatin, Doxorubicin with Plumbagin on Bg1 Ovarian Adenocarcinoma Cell Line. 2008 Inflammation, Microenvironment and Cancer (D2)



- 3/30/2008 to 4/4/2008; Snowbird, UT; USA.
27. Priya Srinivas, Rakesh S Nair, Prathapachandra Kurup M.R and Mini Kuriakose. Molecular trail for the action of a metal based drug in HPV positive cervical cancer cells. The Seventh Annual AACR International Conference on Frontiers in Cancer Prevention, Washington, DC, U.S.A, 16th to 21st December,2008.
  28. Rakesh Sathish Nair, Thasni K A, Jerald Mahesh Kumar, Asoke Banerji, Srinivas G and Priya Srinivas. Transition of a molecule from Indian indigenous medicine to the arena of molecular cancer research.17th Annual Short Course on Experimental Models of Human Cancer at Jackson laboratory, Bar Harbour, Maine, USA, 22nd to 31st August 2008.
  29. In vitro Anticancer activity of alo emodin involves G2/M arrest and inhibition of metastasis in colon cancer cells. Priya Prasanna Sathiadevan, Suboj Babykutty, Vinod Vijayakurup, Priya Srinivas,Gopal Srinivas. International PSE symposium on Natural products in cancer therapy. Italy, 2008
  30. Srinivas Gopala, M Radhakrishna Pillai, Priya Srinivas. Molecular mechanism of plumbagin action: an update on its antitumor function. International PSE Symposium on Natural Products in Cancer Therapy, 23-26 September 2008, Naples Italy.
  31. Nitric oxide-cGMP-MMP2/9 circuit in colon cancer migration and invasiveness: An in vitro study. Suboj Babykutty, Priya Prasanna Sathiadevan, Vinod Vijayakurup, Padmakrishnan. C. J, Priya Srinivas, Gopal Srinivas. ECCO 15 -ESMO 34 Multidisciplinary Congress, Berlin, 2009.
  32. Rakesh S, J Mahesh Kumar, Jedy Jose, Anil Kumar T V, Chuxia Deng, Priya Srinivas. Quinone as drug targets against homologous recombination deficient tumors, International cancer research Symposium-20-22<sup>nd</sup>, December 2010.
  33. Priya Srinivas, Veena Somasundaram, Rakesh S, Thasni KA, Premakumari P, Srinivas G. Multifaceted approach with a single drug for BRCA1 defective cancers. Current Medicinal Chemistry, Special Issue, Abstracts- 3<sup>rd</sup> International Conference on Drug Discovery and Therapy, Dubai, Feb, 2011, p 107.
  34. Veena Somasundaram, Priya Srinivas. A Study of Breast cancer stem cells isolated from BRCA1 mutated cell lines in comparison to those isolated from cell lines with wild type BRCA1" paper presented and **won consolation prize** at „The 2nd International Conference on Stem Cells and Cancer (ICSCC-2011) - Proliferation, Differentiation and Apoptosis“, Pune, 15th -18th October, 2011.
  35. Priya Srinivas, Rakesh S Nair, Sutapa Singha, Debabrata Mukhopadhyay, Differential sensitivity patterns of a naphthaquinone in cancer: possible mechanisms to BRCA1 and BRCA2 genes. 21<sup>st</sup> Asia Pacific Cancer Conference, Kuala Lumpur, Malaysia. November 10-12, 2011.
  36. Suboj Babykutty, Priya Prasanna Sathiadevan, Priya Srinivas, S Gopala. Insidious role of nitric oxide in migration / invasion of colon cancer cells by upregulating MMP-2/9 via activation of cGMP-PKG-ERK signaling pathways. 21<sup>st</sup> Asia Pacific Cancer Conference, Kuala Lumpur, Malaysia. November 10-12, 2011.
  37. Veena Somasundaram, Sreelatha K H, Reshma R S, Rakesh S and Priya Srinivas. „Defects in BRCA1-Novel clues to targeting Breast Cancer Stem Cells.“ Paper Presented at the 32<sup>nd</sup> Annual Convention of the Indian Association for Cancer Research, University of Delhi (North Campus)

from February 13-16, 2013.

38. Sreelatha KH, Reshma RS, Veena S, Rakesh SN, Thara Somanathan, Jem Prabhakar, and Priya Srinivas. Mammary Cancer Associated Fibroblast (CAF) mediated breast tumor progression, an in vitro study. Poster Presented at the 32<sup>nd</sup> Annual Convention of the Indian Association for Cancer Research, University of Delhi (North Campus) from February 13-16, 2013.
39. Reshma RS, Sreelatha KH, Veena Somasundaram, Rakesh SN, Priya Srinivas. Castrate Resistant Prostate Cancer and Naphthaquinones. Poster Presented at the 32<sup>nd</sup> Annual Convention of the Indian Association for Cancer Research, University of Delhi (North Campus) from February 13-16, 2013.
40. S Veena, KH Sreelatha, RS Reshma, SN Rakesh, S Priya. „Carboplatin and ALDH1+ Breast Cancer Stem Cells: Unseen Facts. Poster Presented at the 11<sup>th</sup> International Congress on Targeted Anticancer Therapies, Paris, France, March 4-6, 2013. Annals of Oncology 24 (Supplement 1): i30–i32, 2013.
41. S Priya, RS Reshma, SN Rakesh, KH Sreelatha, S Veena. „Novel Phytochemical to target BRCA2 Related Prostate Cancer. Poster Presented at the 11<sup>th</sup> International Congress on Targeted Anticancer Therapies, Paris, France, March 4-6, 2013. Annals of Oncology 24 (Supplement 1): i23–i26, 2013
42. K. H. Sreelatha, R. S. Reshma, S. Veena, S. N. Rakesh, S. Thara, P. Jem, S. Priya. Influence of Cancer Associated Fibroblast (CAF) on human breast cancer cells in an in vitro co-culture model. Poster Presented at the 11<sup>th</sup> International Congress on Targeted Anticancer Therapies, Paris, France, March 4-6, 2013. Annals of Oncology 24 (Supplement 1): i30–i32, 2013
43. Veena Somasundaram, Reshma RS, Sreelatha KH, Revathy, Satheesh Kumar S, Priya Srinivas. „*Inducers of NO and ROS: Implications in Homologous Recombination Defective Breast Cancer Cells*“. Poster presented at the Legacy of Nitric Oxide Discovery: Impact on Disease Biology, Rajiv Gandhi Centre for Biotechnology, Kerala, India, November 5-6, 2013.
44. Revathy, Sreelekha Y, Sreevidya P S, Sreelatha K H, Veena Somasundaram and Priya Srinivas. Etiopathogenesis of Gestational Trophoblastic Diseases in Indian population. Poster presented at 33<sup>rd</sup> Annual Convention of Indian Association of Cancer Research, Kollam, Kerala, 13<sup>th</sup> to 15<sup>th</sup> February 2014.
45. S.Satheesh Kumar, Revathy, Sreelatha K.H, Veena Somasundaram and Priya Srinivas.  $\beta$ -hCG: a key molecule in Triple Negative BRCA1-/- Breast Cancer?. Poster presented on 33<sup>rd</sup> Annual conference on Indian Association of Cancer Research held at Kollam, Kerala, February 13-15, 2014.
46. Reshma R S, Priya Srinivas. Identification of genes with altered expression in response to vitamin K3 analogue in prostate cancer cells. Poster presented on 33<sup>rd</sup> Annual conference on Indian Association of Cancer Research held at Kollam, Kerala, February 13-15, 2014.
47. Reshma R S, Sreelatha K H, Veena S, Priya Srinivas. "In vitro evidences for the therapeutic potential of a naphthaquinone derivative in prostate cancer stem like cells (PCSLCs)" International Symposium on 'New Perspectives in Modern Biotechnology' organized by SAB (Society for Applied Biotechnology). The Accord Hotel, Puducherry, Tamil Nadu, India, March 23 -25, 2015.

48. Revathy Nadhan, Krishnapriya R S, Nirmala C, Jayashree V Vaman, Santha Sadasivan, Aysha P V, Sreevidya P S, Satheesh Kumar S, Sreelatha K H, Balaraman Nair M , Anilkumar T V and Priya Srinivas. Gestational Trophoblastic Diseases – BRCA1 – Breast Cancer : An Enthralling Trio. Poster presented at Fourth AACR International Conference on Frontiers in Basic Cancer Research, Pennsylvania Convention Centre, Philadelphia, Pennsylvania, USA, 23<sup>rd</sup> to 26<sup>th</sup> October 2015.
49. Satheesh Kumar S, Sreelatha K H, Revathy Nadhan and Priya Srinivas.  $\beta$ -hCG: The key culprit in BRCA1 mutated triple negative breast cancer?. Poster presented at Fourth AACR International Conference on Frontiers in Basic Cancer Research, Pennsylvania Convention Centre, Philadelphia, Pennsylvania, USA, 23<sup>rd</sup> to 26<sup>th</sup> October 2015.
50. Sreelatha KH, Arun Peter Mathew, Thara Somanthan, Jithin Dev, Veena Somasundaram, Reshma RS, Satheesh Kumar S, Revathy, Priya Srinivas. A study on the decisive role of activated fibroblast, Cancer Associated Fibroblast (CAFs) cells on triple negative breast cancer cells. Paper presented on Global Cancer Summit held at J.N.Tata Auditorium, Indian Institute of Science, Bengaluru from November 18-20<sup>th</sup>, 2015.
51. Revathy nadhan, Nirmala C, Jayashree V vaman, Krishnapriya RS, Santha Sadasivan, Aysha P V, Sreevidya P S, Satheesh Kumar S, Sreelatha Kh, Balaraman Nair M, Anilkumar T V, Priya srinivas. An insight into the role of ERM proteins in the etiopathology of trophoblastic tumors. Paper presented on Global Cancer Summit held at J.N.Tata Auditorium, Indian Institute of Science, Bengaluru from November 18-20<sup>th</sup>, 2015.
52. Satheesh Kumar S, Sreelatha KH, Revathy N, Priya Srinivas. Influence of pregnancy hormone, hCG on Triple Negative Breast cancer cells. Paper presented on Global Cancer Summit held at J.N.Tata Auditorium, Indian Institute of Science, Bengaluru from November 18-20<sup>th</sup>, 2015.
53. Somasundaram Veena, Sreelatha KH, Reshma RS, Rakesh SN, Priya Srinivas. DNA intercalator or ROS inducer: Novel Clues for Targeting ALDH1+ Breast Cancer Stem Cells“6<sup>th</sup> International Symposium on Translational Cancer Research- Prevention and Treatment of Cancer: Hypes and Hopes” held during 04-07- February, 2016 at Hyatt Regency, Ahmedabad, Gujarat, India.
54. Sreelatha KH, Satheesh Kumar S, Revathy, Jithin Dev, Reshma RS, Veena Somasundaram, Arun Peter Thomas, Thara Somanathan, Priya Srinivas. “Revamping Cancer Associated Fibroblast to Metastasis Associated fibroblast: Impact of BRCA1 mutation in breast cancer metastasis”. Poster presented at the Disease Biology Symposium held at Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram on 9th November, 2016.
55. Sreelatha K H, Satheesh K Sengodan, Revathy Nadhan, Jithin Dev, Reshma R S, Arun Peter Thomas, Thara Somanathan, **Priya Srinivas**. Cancer Associated Fibroblasts adaptation to the metastatic environment: Influence of BRCA1 deficient cancer cells. Invited Lecture at the 3<sup>6th</sup> Annual Conference of Indian Association for Cancer Research, 9<sup>th</sup> to 11<sup>th</sup> February 2017, Amala Cancer Research Centre, Amala Nagar, Thrissur, Kerala, India.
56. Satheesh Kumar Sengodan, Sreelatha K H, Revathy Nadhan, Rakesh Sathish Nair, Jerald Mahesh Kumar, T V Anilkumar and **Priya Srinivas**.  $\beta$ -hCG and BRCA1 in breast cancer. Oral presentation at the 36<sup>th</sup> Annual Conference of Indian Association for Cancer Research, 9<sup>th</sup> to 11<sup>th</sup> February 2017, Amala Cancer Research Centre, Amala Nagar, Thrissur, Kerala, India.
57. Revathy Nadhan, Satheesh Kumar Sengodan, Sreelatha Krishnakumar Hemalatha, Jayashree V Vaman, Nirmala C, **Priya Srinivas**. BRCA1 looming into the future of vesicular mole patients: an analysis at the molecular and cohort level. Oral presentation at the 3<sup>6th</sup> Annual Conference of

Indian Association for Cancer Research, 9<sup>th</sup> to 11<sup>th</sup> February 2017, Amala Cancer Research Centre, Amala Nagar, Thrissur, Kerala, India.

58. Arathi Rajan, Neetha R L, Revathy Nadhan, Sreelatha K H, Satheesh Kumar S, **Priya Srinivas**. The imprints of Estrogen receptor alpha (ER-  $\alpha$ ) in DNA damage repair. Oral presentation at the 36<sup>th</sup> Annual Conference of Indian Association for Cancer Research, 9<sup>th</sup> to 11<sup>th</sup> February 2017, Amala Cancer Research Centre, Amala Nagar, Thrissur, Kerala, India.
59. **Priya Srinivas**, Satheesh Kumar Sengodan, Revathy Nadhan, Arathi Rajan, Neetha R L, Geetu Rose Varghese, Ratheeshkumar Thankappan. Tumorigenic role of  $\beta$ -hCG in BRCA1 defective Triple Negative Breast Cancer, World Congress on Cancer, WCC-2018, Mahatma Gandhi Medical College and Hospital, Jaipur, February 3-5, 2018, Won "First Best poster Presentation Award".
60. Priya Srinivas, Pregnancy hormone hCG in Igniting tumorigenesis in BRCA1 Defective Breast tissues 7th International Conference on Translational Cancer Research from February 8 -11, 2018, in Chennai (Madras), India, (Invited talk).
61. Priya Srinivas, International Conference on Cell Death in Cancer and Toxicology  $\beta$ -hcg: A key player for BRCA1 defective tumorigenesis, CSIR, Vishvigyan Bhawan, 31, Mahatma Gandhi Marg, Lucknow-226001, U.P., India , February 20-22, 2018, (Invited talk).
62. Arathi Rajan, Neetha R L, Revathy Nadhan, Satheesh Kumar S, Geetu Rose, Ratheesh Kumar T and Priya Srinivas\*, "ER- $\alpha$ : The Inextricable Dictator in BRCA1 mediated DNA Damage Repair". Poster presented on 37th Annual Meet IACR, Kolkata. Shri Rambhau Kulkarni Award for Best Poster, 2018.
63. Satheesh Kumar S, Revathy Nadhan, Neetha R L, Geetu Rose, Arathi Rajan, Ratheesh Kumar T and Priya Srinivas\*, "The pregnancy hormone,  $\beta$ -hCG promotes tumorigenesis and drug resistance in BRCA1 defective Triple Negative Breast Cancer". Poster presented on 37th Annual Meet IACR, Kolkata. Shri Rajanikant Shivprasad Baxi Award for Best Poster, 2018
64. Geetu Rose, Arathi Rajan, Neetha R L, Revathy Nadhan, Satheesh Kumar S, Ratheesh Kumar T and Priya Srinivas\* "Immune modulation and  $\beta$ hCG Expression in BRCA1 mutated breast Cancers.. Poster presented on 37th Annual Meet IACR, Kolkata, 2018
65. Ratheesh Kumar T, Satheesh Kumar S, Arathi Rajan, Neetha R L, Revathy Nadhan, Geetu Rose and Priya Srinivas\*. "Generation of BRCA1 knockout MCF-7 cells by CRISPR/CAS9 technology" Poster presented on 37th Annual Meet IACR, Kolkata. 2018
66. Revathy Nadhan, Satheesh Kumar Sengodan, Arathi Rajan, Neetha R L, Geetu Rose Varghese, Ratheeshkumar T, Jayashree V Vaman, Nirmala C and Priya Srinivas\* . "BRCA1: A Cardinal Facet in the Etio-Pathology of Hydatidiform Moles", Oral presentation on 37th Annual Meet IACR, Kolkata. 2018.
67. Priya Srinivas, Satheesh Kumar Sengodan, Revathy Nadhan, Arathi Rajan, Neetha R L, Geetu Rose Varghese, Ratheeshkumar Thankappan. Tumorigenic role of  $\beta$ -hCG in BRCA1 defective Triple Negative Breast Cancer, World Congress on Cancer, WCC-2018, Mahatma Gandhi Medical College and Hospital, Jaipur, February 3-5, 2018.
68. Priya Srinivas, Pregnancy hormone hCG in Igniting tumorigenesis in BRCA1 Defective Breast tissues 7th International Conference on Translational Cancer Research from February 8 -11, 2018, in Chennai (Madras), India, (Invited talk).
69. Priya Srinivas, International Conference on Cell Death in Cancer and Toxicology  $\beta$ -hcg: A key player for BRCA1 defective tumorigenesis, CSIR, Vishvigyan Bhawan, 31, Mahatma Gandhi Marg, Lucknow-226001, U.P., India , February 20-22, 2018, (Invited talk).
70. Priya Srinivas, Hereditary aspects of Breast Cancer, Department of Zoology, Kerala University October 26th, 2018 (Invited talk).

71. Priya Srinivas, **“Targeting BRCA1 mutated cancers”** “International work shop on Basic Tools and Techniques in molecular Biology”, Department of Botany, University College, Thiruvananthapuram, 17-19<sup>th</sup> Dec, 2018. (Invited talk).
72. Geetu Rose Varghese, Arathi Rajan, Sathish Kumar, Revathy Nadhan, Neetha R L, Priya Srinivas\*. **“Expression of pro-inflammatory and anti-inflammatory cytokines in BRCA1 mutated breast cancers”**. Poster presented at 37<sup>th</sup> Annual conference on Indian Association of Cancer Research held at Bose Institute, Kolkatta, February 23-25, 2018.
73. Arathi Rajan, Neetha R L, Priya Srinivas. **“ER- $\alpha$ : The Paramount facet Predisposing BRCA1 defective tumors”**. Poster presentation at the **2018 Annual meet Of American Association For Cancer Research, 14<sup>th</sup> to 18<sup>th</sup> April 2018, McCormick Place, Chicago, IL, USA.**
74. Priya Srinivas. **“A comparison of the mechanism of tumorigenesis in brca1 defective cancers and gestational trophoblastic diseases”**. 38<sup>th</sup> Annual Convention of Association for Cancer Research (IACR 2019), March 2019, Department of Biochemistry, PGI, Chandigarh, (Invited talk).
75. Neetha R L, Vishnu Sunil Jaikumar, Arathy V Warriar, Priya Srinivas ,,,**BRCA1 Mutant Cancer cell Metastasis and its impact on Tumor Stromal Fibroblasts”**. Oral presentation at the 4<sup>th</sup> International Conference on Nutraceuticals and Chronic Diseases INCD2019, 23<sup>rd</sup> to 25<sup>th</sup> September 2019 , Indian Institute of Technology Guwahati, Assam, India.
76. Neetha R L, Geetu Rose Varghese, Vishnu Sunil Jaikumar, Arathi Rajan, Revathy Nadhan Arathy Warriar, Priya Srinivas. **“BRCA1 Mutation in Breast Cancer Cells and Generation of Metastasis Associated Fibroblasts”**. Poster presentation at the AACR Tumor Immunology and Immunotherapy Special Conference, 17<sup>th</sup> - 20<sup>th</sup> November, 2019, Boston Marriott Copley Place, Boston, MA, USA.
77. Geetu Rose Varghese, Vishnu Sunil Jaikumar , Arathi Rajan, Neetha R L, Dipyaman Patra, Priya Srinivas. **“ $\beta$ hCG regulates immune cell population in BRCA1 mutated breast cancers”**. Poster presentation at the AACR Tumor Immunology and Immunotherapy Special Conference, 17<sup>th</sup> - 20<sup>th</sup> November, 2019, Boston Marriott Copley Place, Boston, MA, USA.
78. Revathy Nadhan, Neetha R L, Neethu Krishnan, Dipyaman Patra, Priya Srinivas. **When Origami and Scientific Research Converge: “Foldscope” as a cost efficient aid in visualization of microscopic contaminants in mammalian cell culture.** Poster presented at 38<sup>th</sup> Annual Convention of Indian Association for Cancer Research held at PGIMER, Chandigarh, March 1-3, 2019.
79. Neetha R L, Arathi Rajan, Geetu Rose Varghese, Revathy Nadhan, Krithiga Kuppusamy, Sreelatha Krishnakumar Hemalatha , Thara Somanathan, Arun Peter Mathew, Priya Srinivas **“Tumor Stromal Fibroblasts and BRCA1 Mutant Cancer Cell Metastasis”**. Poster presentation at the 38<sup>th</sup> Annual Convention of Indian Association for Cancer Research, 1<sup>st</sup> to 3<sup>rd</sup> March 2019, Hotel Mount view, Chandigarh, India.
80. Arathi Rajan, Neetha R L, Revathy Nadhan, Sreelatha K H, Sathesh Kumar S, Priya Srinivas **“Does ER-  $\alpha$  mantle BRCA1 mediated DNA Damage Repair?”**. Oral presentation at the International Seminar on Recent Biochemical Approaches in Therapeutics, (RBAT-IV), Dept. of Biochemistry, University of Kerala.
81. Arathi Rajan, Priya Srinivas. **“A Possible Link Between ER- $\alpha$  and BRCA1 in Cancer”**. Poster presentation at **DST-INSPIRE review meet, 13<sup>th</sup> June 2019, GITAM, Bangaluru, Karnataka.**
82. Geetu Rose Varghese, Arathi Rajan, Neetha R L, Revathy Nathan, Priya Srinivas.  **$\beta$ hCG regulates myeloid derived suppressor cell population in susceptible breast cancers”**. Oral presentation at Biochemistry Talks, Targeting Metabolism in Non-Communicable Diseases Organized by Department of Biochemistry, Sree Chitra Tirunal Institute for Medical Sciences and

Technology, Trivandrum, 02 August 2019.

83. Geetu Rose Varghese, Vishnu Sunil Jaikumar, Arathi Rajan, Dipyaman Patra, Priya Srinivas\*. **“Impact of  $\beta$ -hCG in regulating the immune cell population in BRCA1 mutated breast cancers”**. 8<sup>th</sup> International Translational Cancer Research Conference: “Role of Inflammation and Immune System for Cancer Prevention and Treatment” held on February 13-16, 2020 at Banaras Hindu University, Varanasi.
84. Dipyaman Patra, Geetu Rose Varghese, Arathi Rajan, Priya Srinivas\*. BRCA1 Hypermethylation in Sporadic Breast Tumorigenesis: Unravelling the role of NBR2 and  $\beta$ -hCG. Poster presented on 14<sup>th</sup> February, 2020 at 8<sup>th</sup> Translational Cancer Research Conference, 2020.
85. Neetha RL, Geetu Rose Varghese, Vishnu Sunil Jaikumar, Arathi Rajan, Revathy Nadhan, Arathy V. Warriar, Neethu Krishnan, Priya Srinivas. **“BRCA1: The Unrivaled Determinant in Transfiguring Cancer Associated Fibroblasts to Metastasis Associated Fibroblasts”**. Poster presented on 39<sup>th</sup> Annual conference on Indian Association of Cancer Research held on RGCB, Thiruvananthapuram, February 5-7, 2020.
86. Geetu Rose Varghese, Vishnu Sunil Jaikumar, Arathi Rajan, Neetha R L, Dipyaman Patra, Priya Srinivas\* **“CD206+/CD163+ M2 Macrophage polarization and induction of CD4+CD25+ T-regulatory cells by hCG in BRCA1 defective cancers”**. at the 39<sup>th</sup> Annual Conference of Indian Association for Cancer Research conference held on February 3-7, 2020 at Udaya Samudra, Kovalam, Thiruvananthapuram.
87. Revathy Nadhan, Satheesh Kumar Sengodan, Arathi Rajan, Neetha R L, Neethu Krishnan, Jayashree V Vaman, Nirmala C, Priya Srinivas. Plumbagin rescinds the BRCA1 promoter hypermethylation in Gestational Trophoblastic Diseases. Poster presented at 39<sup>th</sup> Annual Conference of Indian Association for Cancer Research held at Thiruvananthapuram, from February 5-7, 2020.
88. Krithiga K., Arya Aravind, Geetu Rose Varghese, Arathi Rajan, Neetha R.L., Neethu Krishnan, Dipyaman Patra, Revathy Nadhan And Priya Srinivas. **“Developing A Standard FNAC Protocol for Canine Mammary Carcinoma Grading”**. Poster Presented On 39<sup>th</sup> Annual Conference on Indian Association of Cancer Research held at RGCB, Thiruvananthapuram, February 5-7, 2020.
89. Dipyaman Patra, Geetu Rose Varghese, Arathi Rajan, Priya Srinivas\*. BRCA1 Hypermethylation in Sporadic Breast Tumorigenesis: Unravelling the role of NBR2 and  $\beta$ -hCG. Poster presented on 3<sup>rd</sup> February, 2020 at 39<sup>th</sup> Annual Conference of Indian Association for Cancer Research (IACR), Held At RGCB, Thiruvananthapuram, February 5-7, 2020
90. Krithiga, K., Arathi, R., Geetu R.V., Arya, A., Neetha R.L., Neethu, K., Dipyaman, P., Revathy, N. and Priya, S. **“Grading and evaluating stem cell signatures in canine mammary carcinomas”**, Oral presentation at the Indian Veterinary Congress held at Chennai from 21<sup>st</sup> -22<sup>nd</sup> February 2020.
91. Krithiga, K., Arathi Rajan, Geetu Rose Varghese, Neetha, R.L. and Priya Srinivas. **“Pathological and molecular investigations on canine mammary tumour-a case study”**. Oral presentation in National online clinical case conference 2020 conducted by the Post-Graduate Institute of Veterinary and Animal Sciences, Akola, Maharashtra, from 12<sup>th</sup>-14<sup>th</sup> October 2020.
92. Krithiga.K., Arya Aravind, Ajith.P, Anoop, R., Suman, B.S., Rajeev,T and Priya Srinivas. **“Grading and immunophenotyping of mammary carcinomas in canine patients of Kerala”**, Oral presentation in the Kerala Veterinary Science Congress 2020 conducted in the online platform from 14<sup>th</sup>-15<sup>th</sup> November 2020 conducted by The Indian Veterinary Association (Kerala)
93. Neethu Krishnan, Induprabha Yadev, Jaimie Anandan, Arathi Rajan, Geetu Rose Varghese, Neetha R. L., Dipyaman Patra, Revathy Nadhan, Krithiga.K, Arathi V. Warriar, Priya Srinivas\*

- $\beta$ -hCG expression and its relevance in BRCA1 defective Breast Cancers. E-Poster presented on 5th International BRCA Virtual Forum 2021, held on 13th August, 2021.
94. Dipyaman Patra, Geetu Rose Varghese, Arathi Rajan, Priya Srinivas\*. BRCA1 Hypermethylation in Sporadic Breast Tumorigenesis: Unravelling the role of NBR2 and  $\beta$ -hCG. Poster presented on 14th February, 2020 at 8th Translational Cancer Research Conference, 2020.
  95. Geetu Rose Varghese, Vishnu Sunil Jaikumar, Arathi Rajan, Dipyaman Patra, Priya Srinivas. impact of  $\beta$ -hCG in Regulating the Immune Cell Population in BRCA1 Mutated Breast Cancers. Oral Presented at the 8th International Translational Cancer Research Conference: “Role of Inflammation and Immune System for Cancer Prevention and Treatment”. February 13-16, 2020
  96. Krithiga, K., Arathi, R., Geetu, R.V., Neetha, R.L., Dipyaman, P., Neethu, K., Arathy, W. and Priya, S. 2021. Partial genome analysis of COXI subunit- I region in mitochondrial DNA of canine mammary tumours. Poster Presentation in IACR 2020 held at Thiruvananthapuram from 5th-7th February 2020.
  97. Krithiga, K., Arathi, R., Geetu, R.V., Neetha, R.L., Dipyaman, P., Neethu, K., Arathy, W. and Priya, Srinivas. 2021 “Mast cells as prognostic indicators in spontaneous cases of canine mammary carcinomas” Oral presentation in the Kerala Veterinary Science Congress 2021 conducted in the online platform from 13th-14th November 2021 conducted by The Indian Veterinary Association (Kerala).

### **GenBank Accessions**

1. Kuppusamy, K., U.S.K. and Srinivas, P. (2020). Canis lupus familiaris isolate I cytochrome oxidase subunit 1 (COI) gene, partial cds; mitochondrial. Direct submission. GenBank Accession number MN482240
2. Kuppusamy, K., U.S.K. and Srinivas, P. (2020). Canis lupus familiaris isolate I cytochrome oxidase subunit 1 (COI) gene, partial cds; mitochondrial. Direct submission. GenBank Accession number MN482241