

## Research articles

1. Shreya Sara Ittycheria, Krishnakutty Chandrika Sivakumar, Dipyaman Patra, Bhavana Ramachandran, Neetha R.L., Arathy V. Warriar, Aiswariya M.A., Kaviya S., Pankaj Suman, Nagarjun Narayanaswamy, Priya Srinivas: Discovery of potential small molecule inhibitors against  $\beta$ -hCG: An in-silico study with in-vitro validation. RSC Adv. 2025; 15, 19561-19580 <https://doi.org/10.1039/D4RA08663E> **IF: 4.6**
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  17. 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**
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### *Perspective*

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## Reviews

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## Book Chapters

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57. 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,

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### Commentary

58. **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:

59. 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.

### 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

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23<sup>rd</sup> to 26<sup>th</sup> October 2015.

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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 2018Annual 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". 38th 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, Satheesh 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, Bangalore, 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, ArathiRajan, Revathy Nadhan,Arathy V. Warriar, Neethu Krishnan,Priya Srinivas. “BRCA1: The Unrivaled Determinant in Transfiguring CancerAssociated 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 21st -22nd 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 Pot-Graduate Institute of Veterinary and Animal Sciences, Akola, Maharashtra, from 12th-14th October 2020.
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  101. Shreya Sara Ittycheria, K.C. Sivakumar, Neetha R.L., Arathy V. Warriar, Prianka Kumaria, Priya Srinivas Designing Small Molecule Inhibitors against  $\beta$ -hCG using In-Silico Tools. National Conference on Emerging Trends in Health Care Biotechnology : Innovations, Challenges and Future Prospects at Regional Cancer Centre, Trivandrum.
  102. Shreya Sara Ittycheria, K.C. Sivakumara, Dipyaman Patra, Bhavana Ramachandran, Neetha R.L., Arathy V. Warriar, Aiswariya M.A., Kaviya S., Prianka Kumari, Nagarjun Narayanaswamy, Priya Srinivas : Unearthing potential small molecule inhibitors against  $\beta$ -hCG using in-silico tools and its validation in-vitro : 2nd RGCB Research Conference at Zuri Kumarakom Resort, September 25-28, 2024.
  103. Kavitha Unnikrishnan, Sejal Patwardhan, Ram Mohan Ram Kumar, Priya Srinivas. Surface-Engineered Small Extracellular Vesicles as a Therapeutic Carrier Targeting Triple Negative Breast Cancer. Poster

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105. Kavitha Unnikrishnan, Sejal Patwardhan, Ram Mohan Ram Kumar, Priya Srinivas. Therapeutic Targeting of Triple Negative Breast Cancer Using Engineered Small Extracellular Vesicles. Oral Presentation at the International Conference on "Biotechnology-The Way Forward (ICBWF-2024)" organized by the Department of Biotechnology, University of Kerala, India during 20th -22nd November 2024.
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### **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