

Department Publications: January, 2011 to February, 2022

1. Mayil Vahanan Bose, Gopisetty Gopal, Ganesharaja Selvaluxmy, Thangarajan Rajkumar* (2012). Dominant negative Ubiquitin conjugating enzyme E2C sensitizes cervical cancer cells to radiation. *Int J Rad Biol.* 88: 629-634.
2. Priya Ramanathan, Selvaluxmy Ganeshrajah, Rajalekshmi K.R, Shirley Sundar Singh, Thangarajan Rajkumar (2014). Development and clinical evaluation of dendritic cell vaccines for HPV related cervical cancer-a feasibility study. *Asia Pacific J Cancer Prev.* 15: 5909-5916.
3. Hascitha J, Priya R, Jayavelu S, Dhandapani H, Selvaluxmy G, Sunder Singh S, Rajkumar T. Analysis of Kynurenine/Tryptophan ratio and expression of IDO1 and 2 mRNA in tumour tissue of cervical cancer patients. *Clin Biochem.* 2016 Aug;49(12):919-24
4. Amutha Periyasamy, Gopal Gopisetty, Velusami Sridevi, Joyimallaya Subramaniam Malliga, Thangarajan Rajkumar. Identification of candidate biomarker mass (m/z) ranges in Serous Ovarian Adenocarcinoma using Matrix-Assisted Laser Desorption/Ionization Time-of-Flight mass spectrometry profiling. *Biomarkers* 2015 20(5):292-8.
5. Amutha Periyasamy and Thangarajan Rajkumar. Role of insulin-like growth factor, insulin-like growth factor receptors and insulin-like growth factor binding proteins in ovarian cancer. *IJMPO*, 2017; 38(2):198-206
6. Amutha Periyasamy, Gopal Gopisetty, Malliga Joyimallaya Subramaniam, Sridevi Veluswami and Thangarajan Rajkumar. Identification and Validation of Differential Plasma Proteins Levels in Epithelial Ovarian Cancer. *J Proteomics* 2020 Jul 4;103893.
7. 1. Thangarajan Rajkumar, Sathyanarayanan Amritha, Sridevi Veluswami, Gopisetty Gopal, Kesavan Sabitha, Sundersingh Shirley, Rajaraman Swaminathan. Identification and validation of plasma biomarkers for diagnosis of breast cancer. *Scientific Reports*, 8th Jan 2022; 12:100.
8. Ana Peixoto, Catarina Santos, Manuela Pinheiro, Pedro Pinto, Maria José Soares, Patrícia Rocha, Leonor Gusmão, António Amorim, Annemarie van der Hout, Anne-Marie Gerdes, Mads Thomassen, Torben Kruse, Dorthe Cruger, Lone Sunde, Yves-Jean Bignon, Nancy Uhrhammer, Lucie Cornil, Etienne Rouleau, Rosette Lidereau, Koulis Yannoukakos, Drakoulis Yannoukakos, Maroulio Pertesi, Steven Narod, Robert Royer, Maurício M. Costa, Conxi Lazaro, Lidia Feliubadaló, Begoña Graña, Ignacio Blanco, Miguel de la Hoya, Trinidad Caldés, Philippe Maillet, Gaelle Benais-Pont, Bruno Pardo, Eitan Friedman, Eladio Velasco, Mercedes Durán, Maria-Dolores Miramar, Ana R. Valle, Ana Vega, Ana Blanco,

Orland Diez, Teresa Ramon, Carmen Alonso, Montserrat Baiget, Judith Balmaña, William Foulkes, Marc Tischkowitz, Rachel Kyle, Nelly Sabbaghian, Patricia Ashton-Prolla, Ingrid P. Ewald, Thangarajan Rajkumar, Luisa M. Vieira, Giuseppe Giannini, Alberto Gulino, Maria I. Achatz, Dirce M. Carraro, Brigitte Bressac, Audrey Remenieras, Cindy Benson, Maureen Chung, Erik Teugels, Manuel R. Teixeira. International distribution and age estimation of the Portuguese BRCA2 c.156_157insAlu founder mutation. *Breast Cancer Research and Treatment*; 2011 Jun;127(3):671-679.

9. Balaiah Meenakumari, Thangarajan Rajkumar. Analyzing BRCA1 variants of Unknown significance by Bioinformatics. *Journal of Indian Institute of Science – A multidisciplinary reviews Journal*. 2012, 92:3.
10. Thangarajan Rajkumar, Balaiah Meenakumari, Samson Mani, Veluswami Sridevi, Shirley Sundersingh. Targeted resequencing of 30 genes improves the detection of deleterious mutations in south Indian women with breast &/or ovarian cancers. *APJCP* 2015 16(13):5211-5217.
11. Kesavan Sabitha, Ahmad Kodous, Thangarajan Rajkumar. Computational analysis of mutations in Ring finger domain and BRCT domain of BRCA gene. *Asian Journal of Pharmaceutical and clinical research* 2016, 9(3): 96-102.
12. B.Jully, R.Vijayalakshmi, G. Gopal, K. Sabitha, T. Rajkumar. Junction region of EWS-FLI1 fusion protein has a dominant negative effect in Ewing's Sarcoma in vitro. *BMC Cancer*. 2012, 12:513
13. Krishna Priya Thangaretnam, Gopal Gopisetty, Priya Ramanathan, Thangarajan Rajkumar. A polypeptide derived from the junction region sequence of EWS-FLI1 inhibits Ewing's sarcoma cells. *Scientific Reports* 2017;7(1):7172.
14. Krishna Priya Thangaretnam, Oviya Sivam, Priya Ramanathan, Gopal Gopisetty*, Thangarajan Rajkumar. Production and Characterization of Monoclonal Antibodies against Recombinant Extracellular Domain of CD99. *Human Antibodies*, 2019;27(1):69-83
15. Thangarajan Rajkumar, Kesavan Sabitha, Neelakantan Vijayalakshmi, Sundersingh Shirley, Mayil Vahanan Bose, Gopisetty Gopal, Ganesharaja Selvaluxmy. Identification and validation of genes involved in cervical tumorigenesis. *BMC Cancer* 2011, 11:80.
16. Suneetha KJ, Nancy KN, Rajalekshmy KR, Rama R, Sagar TG, Rajkumar T. Role of glutathione-s-transferase and CYP1A1*2A polymorphisms in the therapy outcome of south Indian acute lymphoblastic leukemia patients. *Indian J Med Paediatr Oncol* 2011;32:25-29

17. Lubin JH, Muscat J, Gaudet MM, Olshan AF, Curado MP, Dal Maso L, Wünsch-Filho V, Sturgis EM, Szeszenia-Dabrowska N, Castellsague X, Zhang ZF, Smith E, Fernandez L, Matos E, Franceschi S, Fabianova E, Rudnai P, Purdue MP, Mates D, Wei Q, Herrero R, Kelsey K, Morgenstern H, Shangina O, Koifman S, Lissowska J, Levi F, Daudt AW, Neto JE, Chen C, Lazarus P, Winn DM, Schwartz SM, Boffetta P, Brennan P, Menezes A, Vecchia CL, McClean M, Talamini R, Rajkumar T, Hayes RB, Hashibe M. An examination of male and female odds ratios by BMI, cigarette smoking, and alcohol consumption for cancers of the oral cavity, pharynx, and larynx in pooled data from 15 case-control studies. *Cancer Causes Control* 2011;22(9):1217-1231.
18. Natarajan Sudhakar, Kamalalayam Raghavan Rajalekshmy , Thangarajan Rajkumar, Karunakaran Nirmala Nancy. RT-PCR and Real-time PCR analysis of E2A-PBX1, TEL-AML1, mBCR-ABL and MLL-AF4 Fusion Gene transcripts in de novo B-Lineage Acute Lymphoblastic Leukemia Patients in south India. *Journal of Genetics* 2011; 90(2): 349-353.
19. Gopal G, Shirley S, Mahalinga Raja U, Rajkumar T. Endo-sulfatase Sulf-1 protein expression is down regulated in gastric cancer. *APJCP*, 2012;13 (2): 641-646.
20. International Collaboration of Epidemiological Studies of Cervical Cancer. Time since first sexual intercourse and the risk of cervical cancer. *Int J Cancer* 2012 Jun 1;130(11):2638-44.
21. Cornet I, Gheit T, Franceschi S, Vignat J, Burk RD, Sylla BS, Tommasino M, Clifford GM; IARC HPV Variant Study Group. Collaborators: Munoz N, Herrero R, Bosch X, Hammouda D, Loria D, Matos E, Alihonou E, Rios-Dalenz J, Eluf-Neto J, Ghadirian P, Ferreccio C, Luzoro A, Ojeda J, Prado R, Aristizabal N, Tafur L, Molano M, Posso H, Torroella M, Alibegashvili T, Kordzaia D, Keita N, Koulibaly M, Rajkumar T, Rajkumar R, Lee DH, Shin H, Bayo S, Chaouki N, Thomas J, Okolo C, Adewole I, Meijer C, Snijders P, de los Rios E, Rolon P, Caceres E, Santos C, Ngelangel C, Zatonski W, Moodley D, Gichangi P, de Vuyst H, de Sanjose S, Castellsague X, Kitinya J, Chichareon S, Sukvirach S, Tunsakul S, Wabinga H. Human papillomavirus type 16 genetic variants: phylogeny and classification based on E6 and LCR. *J Virol*. 2012 Jun;86(12):6855-61.
22. Babu Jully, Thangarajan Rajkumar. Potential molecular targets for Ewing's sarcoma therapy. *Ind J Med Paed Oncol*, 2012;33(4):195-202.
23. Mayil Vahanan Bose, Gopisetty Gopal, Ganesharaja Selvaluxmy, Thangarajan Rajkumar. Dominant negative Ubiquitin conjugating enzyme E2C sensitizes cervical cancer cells to radiation. *IJB* 2012 88[9]; 629-634. July 4 [Epub] PMID: 22694363.

24. Balaiah Meenakumari, Thangarajan Rajkumar. Analyzing BRCA1 variants of Unknown significance by Bioinformatics. Journal of Indian Institute of Science – A multidisciplinary reviews Journal. 2012, 92:3
25. B.Jully, R.Vijayalakshmi, G. Gopal, K. Sabitha, T. Rajkumar. Junction region of EWS-FLI1 fusion protein has a dominant negative effect in Ewing's Sarcoma *in vitro*. BMC Cancer. 2012, 12:513
26. Mahalinga Raja U, Gopal G, Rajkumar T. Intragenic DNA methylation is concomitant with the repression of genes ATP4B and ATP4A expression in gastric cancer and is a potential serum biomarker. APJCP. 2012, 13(11):5563-8.
27. K. Sabitha, T. Rajkumar. Identification of small molecule inhibitors against UBE2C by using docking studies. Bioinformation. 2012;8(21): 1047-1058.
28. Gopisetty Gopal, Uthandaraman Mahalinga Raja, Sundersingh Shirley ,Kamlalyam Raghavan Rajalekshmi, Thangarajan Rajkumar. SOSTDC1 down-regulation of expression involves CpG methylation and is a potential prognostic marker in gastric cancer. Cancer Genetics 2013; 206[5]: 174-82. epub 05-07-2013
29. Akhilesh Rawat, Gopisetty Gopal, Ganesharaja Selvaluxmy, Thangarajan Rajkumar*. Inhibition of ubiquitin conjugating enzyme E2C reduces proliferation and sensitizes breast cancer cells to radiation, doxorubicin, tamoxifen and Letrozole. Cellular Oncology 2013 36[6]: 459-67 (Sept 27, Epub ahead of print).
30. Devasena Anantharaman, Amélie Chabrier, Valérie Gaborieau, Silvia Franceschi, Rolando Herrero, Rajkumar T, Tanuja Samant, Manoj Mahimkar, Paul Brennan, James D. McKay. Genetic variants in nicotine addiction and alcohol metabolism genes, oral cancer risk and the propensity to smoke and drink alcohol: a replication study in India. PLOS One 2014 Feb 5;9(2):e88240.
31. Jean-Damien Combes, Michael Pawlita, Tim Waterboer, Doudja Hammouda, Thangarajan Rajkumar, Philippe Vanhems, Peter Snijders, Silvia Franceschi, Gary Clifford. Antibodies against high-risk human papillomavirus proteins as markers for invasive cervical cancer. Int J Cancer 2014 April.
32. Chen AA1, Heideman DA, Boon D, Gheit T, Snijders PJ, Tommasino M, Franceschi S, Clifford GM; IARC HPV Variant Study Group - Collaborators - Muñoz N, Herrero R, Bosch X, Hammouda D, Loria D, Matos E, Tshomo U, Dorji, Rios- Dalenz J, Eluf-Neto J, Ghadirian P, Ferreccio C, Ojeda J, Dai M, Li L, Wu R, Torroella M, Pearce N, Alibegashvili T, Kordzaia D, Keita N, Koulibaly M, Rajkumar T, Rajkumar R, Sarjadi, Khodakarami N, Sideri M, Gichangi P, De Vuyst H, Lee D-, Shin H, Bayo S, Dondog B, Chaouki N, Sherpa

- A, Thomas J, de los Rios E, Rolon P, Caceres E, Santos C, Ngelangel C, Bardin A, Zatonski W, Boye C, Toure-Kane C, Mbaye E, Diop-Ndiaye H, Moodley D, de Sanjose S, Castellsague X, Kitinya J, Chichareon S, Tunsakul S, Wabinga H, Aruhuri B, Frazer I. Human papillomavirus 45 genetic variation and cervical cancer risk worldwide. *J Virol*. 2014 Apr;88(8):4514-21.
33. Priya Ramanathan, Selvaluxmy Ganeshrajah, Rajalekshmi K.R, Shirley Sundar Singh, Thangarajan Rajkuma. Development and clinical evaluation of dendritic cell vaccines for HPV related cervical cancer-a feasibility study. *APJCP*. 2014, 15. 5909-5916.
34. Natarajan Valliyammai, Obul R Bandapalli, Rajkumar T, Sagar T.G, Nirmala K. Notch1 and Fbxw7 mutations in south Indian T- Acute Lymphoblastic Leukemia. *J Ped Hematol/Oncol.*, 2014 Dec 9; PMID: 25493453 [ePub]
35. Priya Ramanathan, Hemavathi Dhandapani, Hascitha Jayakumar, Selvaluxmy Ganeshrajah, Thangarajan Rajkumar. Dendritic Cells primed With HPV Positive Cervical Tumor Lysate Are Superior to Unprimed DC in migratory capacity and induce a potent Th1 response. *Human Immunology* 2014; 75:1216-1224
36. Rawat A. Gopal G. Rajkumar T. E4BP4 is a repressor of epigenetically regulated *SOSTDC1* expression in breast cancer cells. *Cellular Oncology* 2014;37[6]:409-419.
37. Manon Delahaye-Sourdeix, Javier Oliver, Maria Timofeeva, Valérie Gaborieau, Amélie Chabrier, Magdalena B. Wozniak, Darren Brenner, Maxime P. Vallée, Devasena Anantharaman, Simone Benhamou, Pagona Lagiou, Ivana Holcátová, Lorenzo Richiardi, Kristina Kjaerheim, Antonio Agudo, Xavier Castellsagué, Tatiana V. Macfarlane, Luigi Barzan, Cristina Canova, Nalin S Thakker, David I Conway, Ariana Znaor, Claire M. Healy, Wolfgang Ahrens, David Zaridze, Neonilia Szeszenia-Dabrowska, Jolanta Lissowska, Eleonora Fabianova, Ioan Nicolae Mates, Vladimir Bencko, Lenka Foretova, Vladimir Janout, Maria Paula Curado, Sergio Koifman, Ana Menezes, Victor Wunsch-Filho, José Eluf Neto, Paolo Boffetta, Leticia Fernandez Garrote, Renato Talamini, Marcin Lener, Jan Lubiński, Stefania Boccia, Thangarajan Rajkumar, Tanuja A Samant, Manoj B Mahimkar, Keitaro Matsuo, Rolando Herrero, Silvia Franceschi, Mattias Johansson, Graham Byrnes, Paul Brennan and James D. McKay. The 12p13.33/*RAD52* locus and genetic susceptibility to squamous cell cancers of upper aerodigestive tract. *PLOS One* 2015; 10(3):e0117639.
38. Manon Delahaye-Sourdeix, Javier Oliver, Maria Timofeeva, Valérie Gaborieau, Amélie Chabrier, Magdalena B. Wozniak, Darren Brenner, Maxime P. Vallée, Devasena Anantharaman, Simone Benhamou, Pagona Lagiou, Ivana Holcátová, Lorenzo Richiardi, Kristina Kjaerheim, Antonio Agudo, Xavier Castellsagué, Tatiana V. Macfarlane, Luigi

Barzan, Cristina Canova, Nalin S Thakker, David I Conway, Ariana Znaor, Claire M. Healy, Wolfgang Ahrens, David Zaridze, Neonilia Szeszenia-Dabrowska, Jolanta Lissowska, Eleonora Fabianova, Ioan Nicolae Mates, Vladimir Bencko, Lenka Foretova, Vladimir Janout, Maria Paula Curado, Sergio Koifman, Ana Menezes, Victor Wünsch-Filho, José Eluf Neto, Paolo Boffetta, Leticia Fernandez Garrote, Renato Talamini, Marcin Lener, Jan Lubiński, Stefania Boccia, Thangarajan Rajkumar, Tanuja A Samant, Manoj B Mahimkar, Keitaro Matsuo, Rolando Herrero, Silvia Franceschi, Mattias Johansson, Graham Byrnes, Paul Brennan and James D. McKay. A rare truncating *BRCA2* variant and genetic susceptibility to upper aerodigestive tract cancer. *JNCI* 2015; 107(5). pii: djv037.

39. Amutha Periyasamy, Gopal Gopisetty, Velusami Sridevi, Joyimallaya Subramaniam Malliga, Thangarajan Rajkumar. Identification of candidate biomarker mass (m/z) ranges in Serous Ovarian Adenocarcinoma using Matrix-Assisted Laser Desorption/Ionization Time-of-Flight mass spectrometry profiling. *Biomarkers* 2015 20(5):292-8.
40. Sabitha K, Priya R, Rajkumar T. Molecular Modelling And Docking Studies Of Human Acrosin Binding Protein (ACRBP/OY-TES-1). *Int J Pharm. Pharm Sciences*. 2015, 7(9) [in press]
41. Thangarajan Rajkumar, Balaiah Meenakumari, Samson Mani, Veluswami Sridevi, Shirley Sundersingh. Targeted resequencing of 30 genes improves the detection of deleterious mutations in south Indian women with breast &/or ovarian cancers. *APJCP* 2015 16(13):5211-5217.
42. Chen AA, Gheit T, Franceschi S, Tommasino M, Clifford GM; IARC HPV Variant Study Group Collaborators: Munoz N, Herrero R, Bosch X, Hammouda D, Loria D, Matos E, Tshomo U, Rios-Dalenz JL, Eluf-Neto J, Ghadirian P, Ferreccio C, Ojeda JM, Dai M, Li LK, Wu RF, Torroella M, Pearce N, Alibegashvili T, Kordzaia D, Keita N, Koulibaly M, Rajkumar T, Rajkumar R, Sarjadi, Khodakarami N, Gichangi P, De Vuyst H, Lee DH, Shin HR, Bayo S, Dondog B, Chaouki N, Sherpa AT, Thomas JO, de los Rios E, Rolon PA, Caceres E, Santos C, Ngelangel C, Bardin A, Zatonski W, Ngabo F, Gatera M, Moodley D, de Sanjose S, Castellsague X, Kitinya JN, Chichareon S, Tunsakul S, Wabinga HR, Aruhuri B, Frazer IH. Human Papillomavirus 18 Genetic Variation and Cervical Cancer Risk Worldwide. *J Virol*. 2015 Oct;89(20):10680-7.
43. Aarthi Raghu, Mani Samson, Veluswami Sridevi, Shirley Sundersingh, Thangarajan Rajkumar. Role of circulating cell-free DNA in cancers. *Molecular Diagnosis and Therapy* 2015, 19(6):339-50.

44. Aswathy Ammothumkandy, Tessy Thomas Maliekal, Mayil Vahanan Bose, Thangarajan Rajkumar, Sundersingh Shirley, Thejaswini B, Venkat G Giri, Sudhir Krishna. D66 and CD49f expressing cells are associated with distinct neoplastic phenotypes and progression in human cervical cancer. *Eur J Cancer* 2016, 60:166-178.
45. Kesavan Sabitha, Ahmad Kodous, Thangarajan Rajkumar. Computational analysis of mutations in Ring finger domain and BRCT domain of BRCA gene. *Asian Journal of Pharmaceutical and clinical research*, 2016.
46. Jayakumar Hascitha, Ramanathan Priya, Subramani Jayavelu, Hemavathi Dhandapani Ganeshraja Selvaluxmy, Shirley Sundersingh, Thangarajan Rajkumar, Analysis of Kynurenine/Tryptophan Ratio and Expression of IDO1 and 2 mRNA in Tumor Tissue of Cervical Cancer Patients. *Clinical Biochemistry* 2016
47. Ramachandran B, Jayavelu S, Murhekar K, Rajkumar T. Repeated dose studies with pure Epigallocatechin-3-gallate demonstrated dose and route dependant hepatotoxicity with associated dyslipidemia. *Toxicology Reports* . 2016 March 03 ;3 :336–45.
48. Gopisetty Gopal and Thangarajan Rajkumar. Mammalian Mitochondrial Ribosomal Small Subunit (MRPS) genes: A putative role in human disease. *Gene*, 2016.
49. Balaji Ramachandran, Sabitha Kesavan and Thangarajan Rajkumar. Molecular modeling and docking of small molecule inhibitors against NEK2. *Bioinformatics*. 2016; 12(2): 62–68.
50. Uthandaraman Mahalinga Raja, Gopisetty Gopal, Sundersingh Shirley, Ayloor Seshadri Ramakrishnan, Thangarajan Rajkumar. Immunohistochemical expression and localization of cytokines/chemokines/ growth factors in gastric cancer. *Cytokine*, 2017 Jan;89:82-90
51. Natarajan Sudhakar, Thangarajan Rajkumar, Kamalalayam Raghavan Rajalekshmy, Nirmala Karunakaran Nancy. Characterization of Clonal Immunoglobulin Heavy (IGH) V-D-J Gene rearrangements and Complementarity Determining Region in Precursor B-Cell Acute Lymphoblastic Leukemia Patients from South India. *Blood Research* 2017 March;52(1):55-61.
52. Arunagiri Kuha Deva Magendhra Rao, Thangarajan Rajkumar, Samson Mani. Perspectives of long non-coding RNAs in cancer. *Molecular Biology Reports* 2017 Apr;44(2):203-218.
53. Amutha Periyasamy and Thangarajan Rajkumar. Role of insulin-like growth factor, insulin-like growth factor receptors and insulin-like growth factor binding proteins in ovarian cancer. *IJMPO*, 2017; 38(2):198-206.
54. Krishna Priya Thangaretnam, Gopal Gopisetty, Priya Ramanathan, Thangarajan Rajkumar. A polypeptide derived from the junction region sequence of EWS-FLI1 inhibits Ewing's sarcoma cells. *Scientific Reports* 2017;7(1):7172.

55. Natarajan Valliyammai, Nirmala K, Sagar T.G, Thangarajan Rajkumar. Study of Notch1 and FBXW7 mutations and its prognostic significance in south Indian T Cell Acute Lymphoblastic Leukemia. *Journal of Pediatric Hematology / Oncology* 2018;40(1):e1-e8
56. Arvinden Vittal Rangan, Deva Magendhra Rao Arunagiri Kuha, Thangarajan Rajkumar, Samson Mani. Regulation and functional significance of 5-hydroxymethylcytosine in Cancer. *Epigenomes* 2017.
57. Ramanathan Priya, Dhandapani Hemavathi, Jayakumar Hascitha, Seetharaman Abirami, Thangarajan Rajkumar. Immunotherapy for cervical cancer - can it do another lung cancer? *Current Problems in Cancer*, 2018. pii: S0147-0272(17)30191-5.
58. Dhayalan Pavithra, Majumdar Gautam, Ranganathan Rama, Rajaraman Swaminathan, Gopisetty Gopal, Ayyalur Seshadri Ramakrishnan, Thangarajan Rajkumar. TGF β C-509T, TGF β T869C, XRCC1 Arg194Trp, IKB α C642T, IL4 C-590T genetic polymorphisms combined with socio-economic, lifestyle, diet factors and gastric cancer risk: a case control study in south indian population. *Cancer Epidemiology* 2018; 53:21-26
59. Prathana G, Sridevi V, Rajkumar T, Gopal G. RP-HPLC-UV method for estimation of Fluorouracil-Epirubicin-Cyclophosphamide and their metabolite mixtures in human plasma (Matrix). *Journal of Chromatographic Science* 2018; 56(6):488-497.
60. Supriya J. Chopra, Ashwathy Mathew, Amita Maheshwari, Neerja Bhatla, Shalini Singh, Bhawana Rai, Shylasree T. Surappa, Jaya Ghosh, Dayanand Sharma, Jaydip Bhaumik, Manash Biswas, Kedar Deodhar, Palak Popat, Sushil Giri, Umesh Mahantshetty, Hemant Tongaonkar, Ramesh Billimaga, Reena Engineer, Surbhi Grover, Abraham Pedicayil, Jyoti Bajpai, Bharat Rekhi, Aruna Alihari, Govind Babu, Rajkumar Thangrajan, Santosh Menon, Sneha Shah, Sidhanna Palled, Yogesh Kulkarni, Seema Gulia, Lavanya Naidu, Meenakshi Thakur, Venkatesh Rangrajan, Rajendra Kerkar, Sudeep Gupta, Shyam K. Shrivastava. National Cancer Grid of India Consensus Guidelines on the Management of Cervical Cancer. *Journal of Global Oncology*, 2018.
61. Dhayalan Pavithra, Kesavan Sabitha and Thangarajan Rajkumar. Identification of small molecule inhibitors for differentially expressed miRNAs in gastric cancer. *Computational Biology and Chemistry*, 2018; pii:S1479271(18)30188-
62. Natarajan Valliyammai, Ramanathan Priya, Gopal Gopisetty, Balaji Ramachandran, Thangarajan Rajkumar, Ramanathan Sabitha. In silico and in vitro screening of small molecule Inhibitors against SYT-SSX1 fusion protein in synovial sarcoma. *Computational Biology and Chemistry*, 2018, 77:36-43.

63. Krishna Priya Thangaretnam, Oviya Sivam, Priya Ramanathan, Gopal Gopisetty, Thangarajan Rajkumar. Production and Characterization of Monoclonal Antibodies against Recombinant Extracellular Domain of CD99. *Human Antibodies*, 2019;27(1):69-83.
64. Deva Magendhra Rao, Arunagiri Kuha; Patel, Krishna; Korivi Jyothi, Sunitha ; Balaiah , Meenakumari; Sundersingh, Shirley; Velusami, Sridevi; Rajkumar, Thangarajan; Pandey, Akhilesh; Chatterjee, Aditi; Gowda, Harsha; Mani, Samson. Identification of lncRNAs associated with early stage breast cancer and their prognostic implications. *Molecular Oncology*, 2019 13(6):1342-1355.
65. Niraj Babu, Sneha Pinto, Manjusha Biswas, Tejaswini Subbannayya, Manoj R, Sonali V. Mohan, Jayshree Advani, Pavithra Rajagopalan, Gajanan Sathe, Nazia Syed, Oliyarsi Muthusamy, Rekha V. Kumar, Gopal Gopisetty, Thangarajan Rajkumar, Pinaki Ray, Padhma Radhakrishnan, Saravanan Thiyagarajan, Akhilesh Pandey, Harsha Gowda, Pradip Majumder, Aditi Chatterjee. Phosphoproteomic analysis of gastric cancer identifies CLK1 as a novel therapeutic target. *Gastric Cancer* 2020
66. Malhotra H, Kowtal P, Mehra N, Pramank R, Sarin R, Rajkumar T, Gupta S, Bapna A, Bhattacharyya GS, Gupta S, Maheshwari A, Mannan AU, Reddy Kundur R, Sekhon R, Singhal M, Smruti BK, Sp S, Suryavanshi M, Verma A. Genetic Counseling, Testing, and Management of HBOC in India: An Expert Consensus Document From Indian Society of Medical and Pediatric Oncology. *JCO Glob Oncol*. 2020;6:991-1008.
67. Rajkumar T. Cancer immunotherapy – an impossible dream for the common man? *IJMPO* 2020;41:312-6.
68. Periyasamy A, Gopisetty G, Subramaniam MJ, Velusamy S, Rajkumar T. Identification and Validation of Differential Plasma Proteins Levels in Epithelial Ovarian Cancer. *J Proteomics* 2020 Jul 4;103893.
69. Aparna Natarajan, Balaji Ramachandran, Gopal Gopisetty, Subramani Jayavelu, Shirley Sundersingh, Thangarajan Rajkumar. Pioglitazone modulates doxorubicin resistance in a in vivo model of drug resistant osteosarcoma xenograft. *Naunyn-Schmiedeberg's Archives of Pharmacology* 2020 [Internet]. 2020 Oct 5 [cited 2021 Jan 15]; Available from: <https://doi.org/10.1007/s00210-020-01982-3>
70. Aparna Natarajan, Nikita Mehra, Thangarajan Rajkumar. Economic perspective of cancer treatment in India. *Medical Oncology* 2020; 37(11):101.
71. Aarthi R, Deva Magendhra Rao, Sridevi V, Shirley SS, Rajkumar T, Samson M. Identification of novel somatic cell-free DNA variants by next-generation sequencing in

- breast cancer patients. *International Journal of Molecular and Immuno Oncology* 2021;6(1); 16-26.
72. Oviya S, Jayavelu, Rajkumar t, Gopal G. Expression and purification of recombinant mammalian Mitochondrial Ribosomal Small Subunit (MRPS) proteins and protein-protein interaction (PPI) analysis indicate putative role in tumorigenic cellular processes. *The Journal of Biochemistry*. 2021
73. Deva Magendhra Rao A, Arvinden VR, Deepa R, Krishna P, Meenakumari B, Priya R, Shirley SS, Sridevi V, Rajkumar T, Zdenko H, Harsha G, Samson M. Identification of novel dysregulated circular RNAs in early-stage breast cancer. *Journal of cellular and molecular medicine*. 2021 25:3912–3921
74. Dhandapani H, Seetharaman A, Jayakumar H, Ganeshrajah S, Singh SS, Thangarajan R, Ramanathan P. Autologous cervical tumor lysate pulsed dendritic cell stimulation followed by cisplatin treatment abrogates FOXP3+ cells in vitro. *J Gynecol Oncol*. 2021 Apr 6.
75. Dhandapani Hemavathi, Jayakumar Hascitha, Seetharaman Abirami, Ganeshrajah Selvaluxmy, Shirley Sunder Singh, Nirmala Jagadish, Anil Suri, Thangarajan Rajkumar, Ramanathan Priya. Dendritic cells matured with recombinant human sperm associated antigen 9 (rhSPAG9) induce CD4+, CD8+ T cells and activate NK cells: A potential candidate molecule for immunotherapy in cervical cancer. *Cancer Cell International*. 2021;21(1):473
76. Aarthy R, Deva Magendhra Rao, Sridevi V, Shirley SS, Rajkumar T, Samson M. Prognostic Implications of microRNA-155, -133a, -21 and -205 in Breast Cancer Patients' Plasma. *MicroRNA* 2021.
77. Revathi Paramasivam Oviya, Gopal Gopisetty, Sunder Singh Shirley, Velusamy Sridevi, Subramani Jayavelu, Thangarajan Rajkumar. Mitochondrial Ribosomal Small Subunit proteins (MRPS) MRPS6 and MRPS23 show dysregulation in breast cancer affecting tumorigenic cellular processes. *Gene*, 2021 ;790:145697.
78. Ramasamy D, Deva Magendhra Rao AK, Rajkumar T, Mani S. Non-CpG methylation-a key epigenetic modification in cancer. *Brief Funct Genomics*. 2021 Sep 11;20(5):304-311.
79. Aarthy R, Rao AKDM, Patel K, Sridevi V, Rajkumar T, Gowda H, Mani S. Alteration of miR-362-5p and miR-454-3p expression elicits diverse responses in breast cancer cell lines. *Mol Biol Rep*. 2021 Nov 2.
80. Jayakumar H, Seetharaman A, Sunder Singh S, Dhandapani H, Subramani J, Ganeshrajah S, Thangarajan R, Ramanathan P. Combination of IDO1(high) and CCL19(low) expression in

the tumor tissue reduces survival in HPV positive cervical cancer. *J Reprod Immunol*. 2021 Nov 23;149:103454.

81. Thangarajan Rajkumar, Sathyanarayanan Amritha, Veluswami Sridevi, Gopisetty Gopal, Kesavan Sabitha, Sundersingh Shirley, Rajaraman Swaminathan. Identification and validation of plasma biomarkers for diagnosis of breast cancer in South Asian women. *Sci Reports* 2021, 8th Jan 2022; 12:100.
82. Gopinath P, Natarajan A, Sathyanarayanan A, Sridevi V, Gopal G: The multifaceted role of Matricellular Proteins in health and cancer, as biomarkers and therapeutic targets. *Gene* 2022:146137.
83. Ramachandran B, Rajkumar T, Gopisetty G: Challenges in modeling EWS-FLI1-driven transgenic mouse model for Ewing sarcoma. *American Journal of Translational Research* 2021, 13(11):12181.
84. Sathyanarayanan A, Natarajan A, Paramasivam OR, Gopinath P, Gopal G: Comprehensive analysis of genomic alterations, clinical outcomes, putative functions and potential therapeutic value of MMP11 in human breast cancer. *Gene Reports* 2020, 21:100852.
85. Oviya RP, Gopal G: Subcellular Organelle Targeting of Mitochondria Using Nanomedicines: Cancer Therapeutics and Theranostics Potential. *Current Nanomedicine (Formerly: Recent Patents on Nanomedicine)* 2020, 10(4):358-390.
86. Babu N, Pinto SM, Biswas M, Subbannayya T, Rajappa M, Mohan SV, Advani J, Rajagopalan P, Sathe G, Syed N: Phosphoproteomic analysis identifies CLK1 as a novel therapeutic target in gastric cancer. *Gastric Cancer* 2020, 23(5):796-810.
87. Samson M, Shirley SS, Rama R, Sridevi V, Nirmala Nancy K, Rajkumar T (2011). XPD Lys751Gln increases the risk of breast cancer with no interaction with PAH adduct levels. *Oncology Lett* .2(1): 155-159.
88. K.Sabitha, Ahmad Kodous, T Rajkumar. Computational analysis of mutations in really interesting new ring finger domain and brca1 C terminus domain of breast cancer susceptibility gene. *Asian J Pharm Clin Res*, Vol 9, Issue 3, 2016, 96-102
89. Aparna Natarajan; Rajkumar Thangarajan; Sabitha Kesavan .Repurposing drugs by in silico methods to target BCR kinase domain in Chronic myeloid leukemia. *APJCP Article* 26, Volume 20, Issue 11, November 2019, Page 3399-3406
90. SERMs suppresses the growth of ER α positive cervical cancer xenografts through predominant inhibition of extra-nuclear ER α expression. Ramachandran B, Murhekar k and Sundersingh S. *Am. J.Cancer Res*. 2021 Jun 15;11(6):3335-3353.

91. Functional association of oestrogen receptors with HPV infection in Cervical Carcinogenesis. Ramachandran B. *Endocrine-Related Cancer*. 2017 April 24, R99–R108.
92. Hascitha Jayakumar, Abirami Seetharaman, Shirley Sunder Singh, Hemavathi Dhandapani, Jayavelu Subramani, Selvaluxmy Ganeshraja, Rajkumar Thangarajan, Priya Ramanathan, Combination of IDO1^{high} and CCL19^{low} expression in the tumor tissue reduces survival in HPV positive cervical cancer, *Journal of Reproductive Immunology*, 2021,ISSN 0165-0378.
93. Priya Ramanathan, Hemavathi Dhandapani, Hascitha Jayakumar, Abirami Seetharaman, Rajkumar Thangarajan, (2018) Immunotherapy for cervical cancer: Can it do another lung cancer? *Current Problems in Cancer* 42 (2), 148-160.