



## Publications

### Publication in SCI Journals

No.	Author(s)	Year of Publication	Title of Paper	Name of the Journal, volume/ page numbers	IISN/ISB N no.
1	Kaur, H., Kaur, H., <b>Rajesh, P</b> and Rajesh C	2019	Nanotechnology-Based Drug Delivery System for Cancer Therapy.	International Journal of Nanobiotechnology, 5 (2) 8-36	2456-0111
2	Wyatt MD, Reilly NM, Patel S, Rajesh P, Schools GP, Smiraldo PG, Pittman DL.	2018	Thiopurine-induced mitotic catastrophe in Rad51d-deficient mammalian cells.	Environmental and Molecular Mutagenesis, Jan;59(1):38-48	0893-6692
3	Gupta A, Gopal M, Thomas GV, Vinu M, Gajewski J, Schuster SC, Thomas G, Ravi, G and <b>Rajesh P.</b>	2014	Sequencing and analysis of three plant growth promoting rhizobacteria isolated from the rhizosphere of plantation crops coconut, cocoa and arecanut.	PLoS One. Aug 27;9(8):e104259	1932-6203
4	Gopalan, TK., Gururaj P., Gupt, R., Gopal. DR., <b>Rajesh P.</b> , Chidambaram, B., Kalyanasundaram, and Angamuthu, R.	2014	Transcriptome profiling reveals higher vertebrate orthologous of intra-cytoplasmic pattern recognition receptors in grey bamboo shark.	PLoS One. Jun 23;9(6):e100018	1932-6203
5	<b>Rajesh P</b> , Litvinchuk A, Pittman DL and Wyatt MD.	2011	RAD51D homologous recombination repair protein mediates the processing of 6-thioguanine lesions downstream of mismatch repair.	Molecular Cancer Research Feb;9(2):206-14	1541-7786
6	<b>Rajesh, P.</b> , Rajesh, C., Wyatt, M. and Pittman, D.L.	2010	RAD51D protects against MLH1-dependent cytotoxic responses to O6-methylguanine	DNA Repair, 9 (4), 458-467 IF : 3.61	1568-7864
7	Nadkarni A, <b>Rajesh P</b> , Ruch RJ, Pittman DL.	2009	Cisplatin resistance conferred by the RAD51D (E233G) genetic variant is dependent upon p53 status in human breast carcinoma cell lines.	Molecular Carcinogenesis Jul;48(7):586-91	0899-1987
8	Bechtel JM, <b>Rajesh P</b> , Ilikchyan I, Deng Y, Mishra PK, Wang Q, Wu X, Afonin KA, Grose WE, Wang Y, Khuder S, Fedorov A.	2008	Calculation of splicing potential from the Alternative Splicing Mutation Database.	BMC Research Notes. 2008;1:4	1756-0500
9	Bechtel JM, <b>Rajesh P</b> , Ilikchyan I, Deng Y, Mishra PK, Wang Q, Wu X, Afonin KA, Grose WE, Wang Y, Khuder S, Fedorov A.	2008	The Alternative Splicing Mutation Database: a hub for investigations of alternative splicing using mutational evidence.	BMC Research Notes.2008;1:3	1756-0500
10	Mruk I, <b>Rajesh P</b> , Blumenthal RM.	2007	Regulatory circuit based on autogenous activation-repression: roles of C-boxes and spacer sequences in control of the PvuII restriction-modification system.	Nucleic Acids Research;35(20):6935-52	0305-1048
11	Naz RK, <b>Rajesh P.</b>	2005	Novel testis/sperm-specific contraceptive targets identified using gene knockout studies.	Frontiers in Biosciences.10:2430-46.	1093-9946

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12	Naz RK, <b>Rajesh P.</b>	2005	Role of tyrosine phosphorylation in sperm capacitation / acrosome reaction.	Frontiers in Biosciences; 10; 2447-2459 IF: 2.484	1093-9946 (Online)
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### Full Research Papers in Indian/International Conferences

	Author(s)	Year of Publication	Title of Paper	Name and Place of Conference
1	Singh, M., Kaur, P., Kumari, S., <b>Rajesh P.</b> , Pittman, D.L. and Rajesh, C	2016	Investigating the Role of RNA-Processing-Related and Mismatch Repair Proteins in Homologous Recombination Repair	Recent Advances in Emerging Technologies” at Sri Guru Granth Sahib World Univ. (SGGSWU), Fatehgarh Sahib, Punjab, India on 23-24th Feb. 2016

### Keynote Addresses/Invited Talks/Spokeperson/Conveners/Posters in Conferences

- Oral Talk: Speaker Harsimrat Kaur. Kaur, H., Singh, K, Kaur, H., **Rajesh P.**, and Rajesh, C (2018); “Design and Docking Targets for RAD51 Protein-Based Disruption of Homologous Recombination Repair” at the International Conference on Drug Discovery: Biotech & Pharma at CrossRoads, being organized by Thapar Institute of Engineering and Technology, Patiala, Punjab from 15-17th Feb 2018
- Reilly, NM., Patel, S., **Rajesh, P.**, Schools, GP, Smiraldo, PG., Wyatt, MD., and Pittman, DL. (2016); Induction of Mitotic Catastrophe Treatment in Rad51d-deficient Cells. Poster presented at 2016 The Environmental Mutagenesis and Genomics Society Annual Meeting, September 24-28, 2016 at Kansas City, Missouri, USA.
- Reilly, NM., Marone, MG., Diego, A., Liu, C., **Rajesh, P.**, Buckhaults, P and Pittman, DL. (2016); Gene Expression Compromises in Rad51d-deficient Mouse Embryonic Fibroblasts. Poster presented at 2016 The Environmental Mutagenesis and Genomics Society Annual Meeting, September 24-28, 2016 at Kansas City, Missouri, USA.
- Kumari, S., **Rajesh, P.** and Rajesh, C. (2016); *In frame primer design for cloning and expression of human MSH2 & MSH6 genes.* at International Conference on “Recent Advances in Emerging Technologies” organized by and at **Sri Guru Granth Sahib World University (SGGSWU), Fatehgarh Sahib, Punjab, India on 23<sup>rd</sup> and 24<sup>th</sup> February 2016.**
- Saini, R., Kahlon, JS., Rajesh, C. and **Rajesh, P.** (2016); **Phosphorylation of RAD51D in Response to Alkylation Base Damage.** at International Conference on “Recent Advances in Emerging Technologies” organized by and at **Sri Guru Granth Sahib World University (SGGSWU), Fatehgarh Sahib, Punjab, India on 23<sup>rd</sup> and 24<sup>th</sup> February 2016.**
- Invited presentation at 2nd Next-Generation Sequencing and Bioinformatics for Genomics & Healthcare meeting organized by SciGenom Labs with IIT Madras, on Nov. 1st to 3rd, 2012 at IIT-Madras, Chennai, India.
- Invited presentation at 26th Indian Cooperative Oncology Network (ICON), on March 23rd to 25th March, 2012 at Crowne Plaza, Bangalore, India.
- Invited presentation at First Next-Generation Sequencing and Bioinformatics for Genomics & Healthcare meeting, Organized by SciGenom Labs Private Ltd, Rajiv Gandhi Centre for Biotechnology (RGCB) & Center for Bioinformatics, University of Kerala, INDIA, on Dec 16th and 17th, 2011 at RGCB, Thiruvananthapuram, Kerala, India.

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- **Rajesh, P.**, Litvinchuk, A., Rajesh, C., Pittman, DL and Wyatt, M. “Protective role of RAD51D in resolving intermediates generated by mismatch repair recognition of DNA damage” Poster presented at 2009 AACR Conference on Frontiers in Basic Cancer Research, October 8-11, 2009 at Boston, MA, USA.
- **Rajesh, P.**, Litvinchuk, A., Rajesh, C., Wyatt, M. and Pittman, DL. “MMR and HR Interplay in Response to Alkylation Base Damage” Poster presented at 2009 FASEB Summer Research Conference, Genetic recombination and Genome rearrangements, August 2-7, 2009 at Snowmass village, CO, USA.
- **Rajesh, P.**, Rajesh, C., Wyatt, MD. and Pittman, DL. “Maintaining Chromosome Stability by Cross-talk Between DNA Repair Pathways” Poster presented at 2nd GSA Genetic Analysis: Model Organisms to Human Biology Meeting, January 5-8, 2008 at San Diego, CA, USA.