

Area of Research Expertise

Radiobiology, Radiation genetics, Biodosimetry, Biophysics and Environmental Biology

Projects conducted

1. Development of potential response to radiation phenotypes (RRPs) for genetic studies: a pilot study.
2. Ex-vivo of chondrocytes in a 3D novel thermo gelatin polymer scaffold – characterization and experimental in –vivo transplantation in animal models
3. Molecular cytogenetic studies in mental retardation and to provide Genetic services and counselling as an ICMR networking centre on Human Genetics
4. Study of effects of pulsed electromagnetic field on cultured chondrocytes
5. Biological Dosimetry - Preparedness
6. Genomic Instability In Bystander Human Cells And Their Progeny Exposed To Radiomimetic Drug Using 3-D Cultures
7. Validation On The Measurement Of Translocation Frequency For Cumulative Dose Estimation
8. Molecular Study On The Genetics Of Prostrate Cancer
9. Somatic Cell Mutational Immunoassay Of Glycophorin A (GPA) Using Monoclonal Antibody For Biological Dosimetry
10. Radio-Protective Effect Of 2-Dg In Human Peripheral Blood Lymphocytes From Normal Persons And Cervical Cancer Patients Exposed In-Vivo To High Dose-Rate Gamma Radiation As Indicated By Chromosomal Aberrations And Micronuclei Assay

Awards & Recognition's

1. Inter Institute Research Collaboration – University of Miami, Florida, USA, May 2010
2. Sri Ramachandra University, Certificate of Merit, September 2008
3. Sri Ramachandra University Institutional Research Award for establishing the Biodosimetry Laboratory, September 2007
4. Inter Institute Research Collaboration Berlin Germany, December 2004
5. Dr. A.R. Gopal Ayengar Young Scientist Award 2001 given to outstanding work carried out in the field of Radiation Biology, Biophysics and Environmental Biology, February 2001

Workshop, training undergone

1. Chromatographic techniques and their applications. Organised by The Central Research Facility, Department of Biotechnology, Department of Human Genetics and Department of Pharmacology, Sri Ramachandra University, Porur, Chennai 600 116, Tamil Nadu, India. 11th – 14th October, 2010.

2. Introduction to Flow cytometry & Application of multiparameter, Flow cytometry in cell Biology. Organised by the Department of Human Genetics & Central Research Facility, Sri Ramachandra University, Porur, Chennai 600 116, Tamil Nadu, India. 10th March, 2010.
3. Management Development Programme on “Management Skills for Healthcare Professionals”. Organised by the Faculty of Management, Sri Ramachandra University, Porur, Chennai 600 116, Tamil Nadu, India, 3rd and 4th November 2009.
4. Rachel Philip Endowment Workshop (2009) Mini-workshop on Landmarks of the Human Genome – Karyotyping of Human chromosomes. Organised by the Department of Advance Zoology & Biotechnology, Women’s Christian College (Autonomous), College Road, Chennai 600 006 and Department of Human Genetics& Sri Ramachandra University, Porur, Chennai, Tamil Nadu, India, 8th to 15th September 2009.
5. Management Development Programme on “Management Skills for Healthcare Professionals”. Organised by the Faculty of Management, Sri Ramachandra University, Porur, Chennai 600 116, Tamil Nadu, India, 3rd and 4th November 2009.
6. Workshop on Assay in Toxicology (WAT 2009) biomarkers in toxicology and diseases. Organised by Loyola institute of frontier Energy (LIFE), Loyola College, Chennai 600 034 India, Indira Gandhi Centre for Atomic Research, Kalpakkam 603102, India and Department of Human Genetics, College of Biomedical Sciences, Technology and Research, Sri Ramachandra University, Porur, Chennai, Tamil Nadu, India, 2nd – 13th February 2009.
7. National Entrepreneurship Network (NEN) A Wadhvani Foundation Initiative, Orientation Program, for faculty members of New NEN members of academic institutions, Anna University Chennai, 30th December 2008.
8. Perio-Gen - Hands on Workshop on Immunotechniques. Organised by the Department of Periodontics, Sri Ramachandra Dental College and Department of Human Genetics, Sri Ramachandra University, Porur, Chennai 600 116, India, October 20th -21st 2008.
9. Advance Hands on multicolour FISH, Three day workshop, 8th – 10th February 2007. Organised by Metasystems GmbH, Carl Zeiss, Germany, and Centre for Cellular and Molecular Biology, Hyderabad, India
10. Technical Workshop ICOGEN 2007, International conference and Workshop on genetics: The Basis and diagnosis of genetic disorders. Organised by the Department of Human Genetics, College of Biomedical Sciences, Technology and Research, Sri Ramachandra University, Porur, Chennai, Tamil Nadu, India, 1st & 4th February 2007.
11. Teacher Training Workshop, Medical Education, October 17-19 (2001), Organised by Medical Education Unit, Sri Ramachandra Medical College and Research Institute, Deemed University, Porur, Chennai 600 116.
12. Technical Training Workshop, Hazard Recognition and Prevention In The Work Place – Air Borne Dusts, September (2000), Organised by Sri Ramachandra Medical College and Research Institute, Deemed University with Collaboration with Inspectorate of factories, Govt. of Tamil Nadu, The National Safety Council of India (Tamil Nadu chapter), The

Hindu, Chennai, The National Institute for Occupational Safety & Health (NIOSH) Education Resource Centre, Johns Hopkins University School of Hygiene & Public Health USA.

13. Technical Training Workshop in Industrial Hygiene Measurement, March 1-6 (1999), Organised by Sri Ramachandra Medical College and Research Institute, Deemed University with Collaboration with The National Institute for Occupational Safety & Health (NIOSH) Education Resource Centre, Johns Hopkins University School of Hygiene & Public Health USA
14. International conference on Radiation Biology Nanotechnology, Imaging and Stem Cell Research in Radiation Oncology. Organised by the Department of Human Genetics & Department of Biomedical Sciences, Sri Ramachandra University, Porur, Chennai 600 116, Tamil Nadu, India. In association with the Tenth Biennial Meeting of the Indian Society of Radiation Biology (ISRB), 15th – 17th November 2010.
15. Emerging Techniques, Tools and Probes in Radiobiology (ETTPR-2010) A post conference workshop of ICTB-NISRRRO 2010. Organised by Radiological Safety Division, Indira Gandhi Centre for Atomic Research, Kalpakkam in Collaboration with the Department of Human Genetics & Department of Biomedical Sciences, Sri Ramachandra University, Porur, Chennai 600 116, Tamil Nadu, India, In: association with the Tenth Biennial Meeting of the Indian Society of Radiation Biology (ISRB), 18th November 2010.
16. Scientific Lecture on Biotechnology for Safe Health and Secure Environment. 25 Years Silver Jubilee celebration of SRU. Organised by Faculty of Biomedical Sciences, Technology and Research in collaboration with Biotechnology Alumni Association, SRU. Sri Ramachandra University, Porur, Chennai 600 116, Tamil Nadu, India, 23rd September 2010.
17. CME program on “Stem Cells, Regenerative Medicine in Orthopedic Applications”. Organised by The Department of Biomedical Sciences, Faculty of Biomedical Sciences, Technology and Research, Sri Ramachandra University, Porur, Chennai 600 116, Tamil Nadu, India. 23rd January 2010.
18. CME program on Trends in Research - Infectious Diseases, Department of Human Genetics, Sri Ramachandra University, Porur, Chennai 600 116, Tamil Nadu, India, 21th April 2008.
19. Technical Workshop ICOGEN 2007, International conference and Workshop on genetics: The Basis and diagnosis of genetic disorders. Organised by the Department of Human Genetics, College of Biomedical Sciences, Technology and Research, Sri Ramachandra University, Porur, Chennai, Tamil Nadu, India, 1st & 4th February 2007.
20. One-day CME program on “Recent Advance in Genome Research” Department of Human Genetics, Sri Ramachandra Medical College and Research Institute, Porur, Chennai 600 116, Tamil Nadu, India, 7th August 2006.
21. Two-day programme on “Orientation to PG Dissertation” was conducted with Controller of Examination, Department of Human Genetics, Sri Ramachandra Medical College and Research Institute, Porur, Chennai 600 116, Tamil Nadu, India, 17th & 18th November 2003.

22. The National Conference (IARP-NC.2K3) on Radiation Exposure Control at Nuclear Fuel Cycle Facilities and Radiation Installations, IGCAR, Kalpakkam 603 102, Tamil Nadu, India, March 5th -7th, 2003.
23. Two-day programme on “Orientation to PG Dissertation” was conducted with Controller of Examination, Department of Human Genetics, Sri Ramachandra Medical College and Research Institute, Porur, Chennai 600 116, Tamil Nadu, India, 5th & 6th November 2002.
24. One-day CME programme on “Management of Radiation Accident: Medical and Dosimetry, aspect”, Department of Human Genetics, Sri Ramachandra Medical College and Research Institute, Porur, Chennai 600 116, Tamil Nadu, India, 10th July, 2002.
25. 14th World Congress of the International Society for Laser Surgery and Medicine, Sri Ramachandra Medical College and Research Institute, Porur, Chennai 600 116, Tamil Nadu, India, 27th -30th August 2001.
26. One-day International Symposium on Medical Genetics, Department of Human Genetics, Sri Ramachandra Medical College and Research Institute, Porur, Chennai 600 116, Tamil Nadu, India, 7th September 2001.
27. One-day CME programme on Clinical Genetics, Department of Human Genetics, Sri Ramachandra Medical College and Research Institute, Porur, Chennai 600 116, Tamil Nadu, India, 6th April 2000.
28. Department of Atomic Energy Symposium on, Recent Advances in Genetic Epidemiology and Population Monitoring, Department of Genetics, Dr. PGIBMS, University of Madras, Taramani, Chennai - 600 113, INDIA. March 23rd - 26th, 1998.
29. **Chromatographic techniques and their applications.** Organised by The Central Research Facility, Department of Biotechnology, Department of Human Genetics and Department of Pharmacology, Sri Ramachandra University, Porur, Chennai 600 116, Tamil Nadu, India. 11th – 14th October, 2010.
30. **Introduction to Flow cytometry & Application of multiparameter, Flow cytometry in cell Biology.** Organised by the Department of Human Genetics & Central Research Facility, Sri Ramachandra University, Porur, Chennai 600 116, Tamil Nadu, India. 10th March, 2010.
31. Rachel Philip Endowment Workshop (2009) **Mini-workshop on Landmarks of the Human Genome – Karyotyping of Human chromosomes.** Organised by the Department of Advance Zoology & Biotechnology, Women’s Christian College (Autonomous), College Road, Chennai 600 006 and Department of Human Genetics & Sri Ramachandra University, Porur, Chennai, Tamil Nadu, India, 8th to 15th September 2009.
32. Workshop on **Assay in Toxicology (WAT 2009) Biomarkers in Toxicology and Diseases.** Organised by Loyola Institute of Frontier Energy (LIFE), Loyola College, Chennai 600 034 India, Indira Gandhi Centre for Atomic Research, Kalpakkam 603102, India and Department of Human Genetics, College of Biomedical Sciences, Technology and Research, Sri Ramachandra University, Porur, Chennai, Tamil Nadu, India, 2nd – 13th February 2009.
33. Perio-Gen - Hands on Workshop on **Immunotechniques.** Organised by the Department of Periodontics, Sri Ramachandra Dental College and Department of Human Genetics, Sri Ramachandra University, Porur, Chennai 600 116, India, October 20th -21st 2008.

34. Technical Workshop ICOGEN 2007, International conference and Workshop on genetics: The Basis and diagnosis of genetic disorders. Organised by the Department of Human Genetics, College of Biomedical Sciences, Technology and Research, Sri Ramachandra University, Porur, Chennai, Tamil Nadu, India, 1st & 4th February 2007.
35. First National Workshop on **Immunology & Immuno-informatics** held at Department of Bioinformatics, Sri Ramachandra Medical College and Research Institute, Porur, Chennai 600 116, Tamil Nadu, India In: collaboration with Department of Bioinformatics Sri Ramachandra Medical College and Research Institute, Porur, Chennai 600 116, Tamil Nadu, India, 14th & 15th February 2006.
36. ISBTI Pre-conference workshop on **Nucleic Acid Testing (NAT) & Fluorescence *in situ* Hybridisation (NAT FISH)**, In: collaboration with the Pathology Department Sri Ramachandra Medical College and Research Institute, Porur, Chennai 600 116, Tamil Nadu, India, 22nd September 2004.
37. **PRE-IMPLANTATION GENETIC DIAGNOSIS (PGD)** workshop as part of a Pre-Conference Course on “ Current Advances in Sub-Fertility and Assisted Reproduction Technology” held at the Department of Human Genetics, Sri Ramachandra Medical College and Research Institute, Porur, Chennai 600 116, Tamil Nadu, India, organised in collaboration with The Institute of Reproductive Medicine and Women’s Health, Madras Medical Mission, 31st August 2003.
38. Three-day Seminar & Workshop on “Recent advances in Genetic Disorders & Diagnostics”. **DIAGNOGene-2002**, Department of Human Genetics, Sri Ramachandra Medical College and Research Institute, Porur, Chennai 600 116, Tamil Nadu, India, 17th & 18th November 2003.
39. One-day seminar and workshop on **PROTEIN PURIFICATION STRATEGIES**, Department of Human Genetics, Sri Ramachandra Medical College and Research Institute, Porur, Chennai 600 116, Tamil Nadu, India, 12th June 2001. Experts in the field of protein purification gave various lectures followed by live demonstration of protein purification techniques.

Membership in Committees

Board of Studies Member

Academic Senate and Research Advisory Committee member

National Assessment and Accreditation Council (NAAC) - Steering Committee member

List of Publications

Journals:

1. Keerthana Ganesh, G. Tamizh Selvan, Surabi Ganga, Solomon F. D. Paul, Anita Ramesh, J. Vijayalakshmi: Cytokinesis-blocked micronucleus assay as a biomarker for risk of lung cancer. 09/2016; 9(2). DOI:10.4103/2349-5006.191275
2. Monisha Swaminathan, Vijaya Ganesh, Teena Koshy, Priyanka Venugopal, Solomon Paul, Vettriselvi Venkatesan: A Study on the Role of Estrogen Receptor Gene Polymorphisms in Female Infertility. Genetic Testing and Molecular Biomarkers 08/2016; DOI:10.1089/gtmb.2016.0097
3. Shruthi M., Vettriselvi Venkatesan, Solomon F.D. Paul, Teena Koshy and Venkatachalam P., (2016) Genomic imbalance in subjects with idiopathic intellectual disability detected by multiplex ligation-dependent probe amplification. Journal of Genetics 95(2): DOI:10.1007/s12041-016-0644-z
4. Gnanasambandan Ramanathan, Priya Sethumadavan, Ramprasad Elumalai, Solomon F.D. Paul (2016) Role of CYP2E1 (PstI/RsaI) gene polymorphisms on the tacrolimus drug toxicity of kidney transplantations among South Indians. Immunopathol Perza. 2(20): 20e
5. Vamsi Lavu, Vettriselvi Venkatesan, Lakakula VKS Bhaskar, Venugopal Priyanka, P Kumarasamy, Solomon F.D. Paul, Suresh Ranga Rao: Polymorphic Regions in Fcgr and Tnf Alpha Genes and Susceptibility to Chronic Periodontitis in a Cohort From South India. Journal of Periodontology 04/2016; DOI:10.1902/jop.2016.150743
6. Shruthi Mohan, Vettriselvi Venkatesan, Sheela, Solomon F.D. Paul, Teena Koshy, Perumal Venkatachalam: Reciprocal microduplication of the Williams-Beuren Syndrome chromosome region. Laboratory Medicine 01/2016; 47(2). DOI:10.1093/labmed/lmw005
7. Venkatachalam Perumal, Tamizh Selvan Gnana Sekaran, Venkateswarlu Raavi, Safa Abdul Syed Basheerudeen, Karthik Kanagaraj, Amith Roy Chowdhury, Solomon F.D. Paul: Radiation signature on exposed cells: Relevance in dose estimation. 10/2015; 7(9):266-78. DOI:10.4329/wjr.v7.i9.266
8. Teena Koshy, Vettriselvi Venkatesan, Kalpana Gowrishankar, Venkatachalam Perumal, Shruthi Mohan, Solomon F.D. Paul: Mutation Analysis of TBX1 in Children with Conotruncal Heart Anomalies. The Indian Journal of Pediatrics 12/2015; DOI:10.1007/s12098-015-1953-6
9. Raavi Venkateswarlu, Selvan G Tamizh, Manivannan Bhavani, Arun Kumar, Amit Alok, Kanagaraj Karthik, Namita Kalra, J Vijayalakshmi, Solomon F.D. Paul, N K Chaudhury, Perumal Venkatachalam: Mean frequency and relative fluorescence intensity measurement of γ -H2AX foci dose response in PBL exposed to γ -irradiation: An inter- and intra-laboratory comparison and its relevance for radiation triage. Cytometry Part A 08/2015; DOI:10.1002/cyto.a.22729
10. Sarada Ketharnathan, Teena Koshy, Rajan Sethuratnam, Solomon F.D. Paul, Vettriselvi Venkatesan: Investigation of NKX2.5 Gene Mutations in Congenital Heart Defects in an Indian Population. Genetic Testing and Molecular Biomarkers 08/2015; 19(10). DOI:10.1089/gtmb.2015.0112

11. Rupendra Shrestha, Asha Palat, Selvam Anbarasan and Solomon F D Paul (2015) Variation in Growth Pattern and Morphological Appearance of Primary Monolayer Cultures of Chondrocytes and Neural Cells Isolated from the Chick Embryo at Different Stages. *Acta Medica International* 08/2015; 2(2):61-67. DOI:10.5530/ami.2015.3.3
12. Kalpana Balakrishnan, Sankar Sambandam, Padmavathi Ramaswamy, Santu Ghosh, Vettriselvi Venkatesan, Gurusamy Thangavel, Krishnendu Mukhopadhyay, Priscilla Johnson, Solomon Paul, Naveen Puttaswamy, Rupinder S Dhaliwal, D K Shukla (2015) Establishing integrated rural-urban cohorts to assess air pollution-related health effects in pregnant women, children and adults in Southern India: an overview of objectives, design and methods in the Tamil Nadu Air Pollution and Health Effects (TAPHE) study. *BMJ Open* 06/2015; 5(6):e008090. DOI:10.1136/bmjopen-2015-008090
13. Teena Koshy, Vettriselvi Venkatesan, Venkatachalam Perumal, Sridevi Hegde, Solomon F.D. Paul (2015): The A1298C Methylenetetrahydrofolate Reductase Gene Variant as a Susceptibility Gene for Non-Syndromic Conotruncal Heart Defects in an Indian Population. *Pediatric Cardiology* 05/2015; DOI:10.1007/s00246-015-1188-3
14. Vamsi Lavu, Vettriselvi Venkatesan, Bhaskar Venkata Kameswara Subrahmanya Lakkakula, Priyanka Venugopal, Solomon Franklin Durairaj Paul, Suresh Ranga Rao (2015) Polymorphic Regions in the Interleukin-1 Gene and Susceptibility to Chronic Periodontitis: A Genetic Association Study. *Genetic Testing and Molecular Biomarkers* 02/2015; 19(4). DOI:10.1089/gtmb.2014.0275
15. Anuradha Elamparithi, Alan M Punnoose, Sarah Kuruvilla, Maddaly Ravi, Suresh Rao, Solomon F D Paul (2015) Electrospun polycaprolactone matrices with tensile properties suitable for soft tissue engineering. 01/2015; DOI:10.3109/21691401.2014.998825
16. Maddaly Ravi, Paramesh V, Kaviya Sr, Anuradha E, Solomon F D Paul (2015) 3D Cell Culture Systems: Advantages and Applications. *Journal of Cellular Physiology* 01/2015; 230(1): DOI:10.1002/jcp.24683
17. G Tamizh Selvan, M Bhavani, J Vijayalakshmi, F D Paul Solomon, N K Chaudhury, P Venkatachalam (2014) Delayed Mitogenic Stimulation Decreases DNA Damage Assessed by Micronucleus Assay in Human Peripheral Blood Lymphocytes after 60CO Irradiation. *Dose-Response* 12(3): 498-508. DOI:10.2203/dose-response.13-060.Selvan
18. Himavanth Reddy Kambalachenu, Solomon F.D. Paul, Sanjeeva Reddy Nallepalli, Perumal Venkatachalam (2014) Androgen Receptor Gene Tagging Single Nucleotide Polymorphisms are not Associated with Polycystic Ovary Syndrome in South Indian Women. 01/2014; 9(4):07-11. DOI:10.9790/3008-09450711.
19. Ravi M., Venkatraman G. and Solomon F.D. Paul (2014) Standard Operating Procedures (SOPs) and Good laboratory Practices (GLPs for Cell Culture Facilities. *The Scitech Journal* 1(11): ISSN 2347-7318 ISSN 2348-2311 Online.
20. Andrea M.F., Maheshwari T., Solomon F.D. Paul (2013) LICAM – A neural cell adhesion molecule implicated in X-linked mental retardation. *Advance Biotech* 12: 14-19

21. *Chinnadurai M., Solomon F. D. Paul and Venkatachalam P. (2013) The effect of growth architecture on the induction and decay of bleomycin and X-ray-induced bystander response and genomic instability in lung adenocarcinoma cells and blood lymphocytes. *Int. J. Radiat. Biol.*, 89,(2) : 69–78 DOI: 10.3109/09553002.2012.726397
22. *Chinnadurai M., Rao B.S. Deepika R., Solomon F. D. Paul and Venkatachalam P. (2012) Role of Reactive Oxygen Species and Nitric Oxide in Mediating Chemotherapeutic Drug Induced Bystander Response in Human Cancer Cells Exposed In-Vitro. *World J. Oncol.* 3(2): 64-72.
23. Selvi R., Shalini V. and Solomon F.D. Paul (2012) Analysis of Serotonin transporter gene (5HTT) variants association in children with autistic disorder. *Int. Journal of Human Genetics* 12: 119-123.
24. Raheema B., Princy M., Vetriselvi V., Teena K, Solomon F.D. Paul and Venkatachalam P. (2012) Sex reversal- siblings case report. *Sri Ramachandra Journal of Medicine* 5(1) 25-27
25. *Chinnadurai M., Chidambaram S., Ganesan V., Baraneedharan U., Sundaram L., Solomon F.D. Paul and Venkatachalam P. (2011) Bleomycin, neocarzinostatin and ionising radiation-induced bystander effects in normal diploid human lung fibroblasts, bone marrow mesenchymal stem cells, lung adenocarcinoma cells and peripheral blood lymphocytes. *Int. J. Radiat. Biol.*, 87(7): 672-683.
26. Venkatachalam P., Solomon F.D. Paul, Harpreet Kaur, and Jeevanram R.K. (2011) Standardization and Validation of Cytogenetic Markers to Quantify Radiation Absorbed Dose. *Defence Science Journal* 61(2) : 125-132
27. Balaji L., Bhaskar L.V.K.S., Balaji Singh K and Solomon F.D. Paul. (2011) Lack of association of ephx1 genotypes and haplotypes with oral cancer in South Indians. *Genetic Testing and Molecular Biomarkers* 15(9):595-599.
28. Reddy A., Rebeka A., Modi P., Ramya R., Joseph S., Solomon F.D. Paul and Venkatachalam P. (2010) Radiation Induced DNA damage in patients exposed to x-ray during cerebral angiography. *Int. J. Low Radiation* 7 (1): 10-19.
29. Chinnadurai M., Gandhervin K., Priyadarshini R., Solomon F.D. Paul and P. Venkatachalam (2010). Bleomycin induced bystander response in human normal lung fibroblasts (WI38) and adenocarcinoma cells (NCI-H23). *Sri Ramachandra Journal of Medicine* 3(1): 3-8.
30. Ravi M., Govind P, Shruti B, Priya S, Sukanya S and Solomon F.D. Paul (2010). Receptors and signaling mechanisms for B-lymphocyte activation, proliferation and differentiation – insights from both in vivo and in vitro approaches. *FEBS Letters* 584 24: 4883–4894
31. Ravi M., Syed A., Sai L.D. and Solomon F.D. Paul (2010). The beneficial effects of spirulina focusing on its immunomodulatory and antioxidant properties. *Nutrition and Dietary Supplements* 2: 73–83.
32. Vijayalaksmi J., Teena K., Harpreet K., Andrea M.F., Selvi R., Deepa Parvathi V., Bhavani R., Vikram J., Venkatachalam P. and Solomon F.D. Paul (2010). Cytogenetic analysis of patients with primary amenorrhea. *Int. J. Hum, Genetics.* 10: 71-76

33. Vetriselvi V., Solomon F.D. Paul, Balaji T.M. and Suresh R. Rao (2010). Evaluation of telomerase expression in chronic periodontitis. *Indian J. Den. Res.* 21(2): 185-188.
34. Balaji TM, Vetriselvi V, Solomon F.D. Paul and Suresh R. Rao. (2010) Evaluation of telomerase expression in chronic periodontitis. *Indian J Den Res.* 21(2): 185-188.
35. Venkatachalam P., Solomon F.D. Paul and Vikram R. Jayanth. (2009) Modification of 2 – deoxy – D – Glucose on radiation and chemotherapeutic drug induced chromosomal aberrations. *J. Cancer Res. Ther.* 5: 48-52.
36. Priyadarshini, R., Chinndurai M., Gandhervin K., Raheman I., Solomon F.D. Paul, and P. Venkatachalam (2010) Quantification of DNA double strand breaks in blood lymphocytes and lung fibroblasts cells (WI-38) after in-vitro exposure to bleomycin. *Indian Journal of Radiation Research* 6 (3-4): 63-67
37. Mohan S., Senthil M., Solomon F.D. Paul, Sunil Shroff and Vetriselvi V. (2009) Interleukin 4 receptor alpha gene polymorphism and the risk of renal cell carcinoma in a south Indian population. *Asian Pacific Journal of Cancer Prevention* 10: 295-298.
38. Ravi M., Balaji S., Srinivasan L. and Solomon F.D. Paul (2009) Generation of Monoclonal Antibodies to Cell Surface Proteins of Human Multiple Myeloma. *Hybridoma* 28: (5) 369-371.
39. Ravi M., Sivaramakrishnan P. and Solomon F. D Paul. (2009) Immunizations of human lymphocytes in vitro with a T-dependent antigen towards human monoclonal antibody production. *Human Antibodies* 18: 101-107.
40. Ravi M., Srinivasan L., Balaji S. and Solomon F.D. Paul. (2009) Generation of monoclonal antibodies to mitotic and interphase cytosolic proteins of Chinese Hamster Ovary (CHO) cells. *Human Antibodies* 18: 139-143.
41. Parvathi D.V., Akshaya A.S. and Solomon FD Paul. (2009) Wonder animal model for genetic studies – *Drosophila melanogaster* – Its lifecycle and breeding methods – A review. *Sri Ramachandra Journal of Medicine* 2 (2): 33-38.
42. Ravi M., Parvathi D.V. Pai G.M., Gosh S., Preetha B., Venkateswaran N and Solomon F.D. Paul (2009). Human Interphase lymphocyte DNA condensation employing mitotic extracts. *Sri Ramachandra Journal of Medicine* 2 (2): 5-8.
43. Selvi R., Saranya G.R. Murthy J., Mary A.F. and Solomon F.D. Paul (2009). Chromosomal abnormality in individuals with cleft lip or cleft palate. *Sri Ramachandra Journal of Medicine* 2 (2): 21-24.
44. Singh Rajender, Krishnaswamy Vijayalakshmi, Singh Pooja, Sakhamuri Madhavi, Solomon F.D. Paul, V. Vetriselvi, Sunil Shroff, Lalji Singh, Kumarasamy Thangaraj (2009). Longer (TA)_n repeat but not A49T and V89L polymorphisms in SRD5A2 gene may confer prostate cancer risk in south Indian men. *Journal of Andrology*: 35: 703-710
45. Preeti, D, Kaur, H, Solomon Paul, Thyalan, K, Balu David, M and Venkatachalam, P (2009). Effect of dose rate and energy on the yield of chromosomal aberrations in peripheral lymphocytes exposed to low LET ionizing radiations. *Brachytherapy News*, 1 (2); 13-17.

46. Vettriselvi V., Vijayalakshmi.K., Solomon F.D. Paul and Venkatachalam P.(2008) ACE and MTHFR gene polymorphisms in unexplained recurrent pregnancy loss. *J. Obstet. Gynaecol. Res.* 34 (3): 301-306. doi: 10.1111/j.1447-0756.2008.00792.x Venkatachalam P., I. Rahiman, Chinnadurai, M and Solomon F.D. Paul (2008). Quantification of DNA double strand breaks and their repair kinetics induced by Bleomycin. *Indian J. Radiat. Res.*, 5 (3-4).
47. Venkateswaran N., Koshy T., Solomon F.D. Paul and P. Venkatachalam (2008), Isochromosome of the long arm of chromosome-17 as a sole abnormality in myelodysplastic syndrome: a case finding, *Indian J. Radiat. Res.*, 5 (3-4).
48. Venkatachalam P. and Solomon F.D. Paul (2008) Cytogenetics markers for radiation biodoimetry. *Radiation Science Today (ISRB)*, 4: 7-8
49. Solomon F.D. Paul, H. Kaur and Venkatachalam, P (2008). Radiation dosimetry preparedness: ARA-C and its importance in improving the qualities of MN assay. *Indian J. Radiat. Res.*, 5 (3-4).
50. *Davis G.D.J., Masilamoni J.G., Arul V., Kumar M.S.M., Baraneedharan U., Solomon F.D. Paul, Sakthivelu I.V., Jesudason E.P. and Jayakumar R. (2008) Radioprotective effect of DL- α -lipoic acid on mice skin fibroblasts *Cell Biol. Toxicol.* 25: 331-340. DOI 10.1007/s10565-008-9087-5
51. Bhaskar L.V.K.S., Thangaraj K., Subramanian P., P.S. Dandapani and Solomon F.D. Paul (2008) Molecular genetic analysis of Neuropeptide Y (NPY) gene in patients with cardiac arrhythmia. *Sri Ramachandra Journal of Medicine* 1 (4) : 8-13.
52. Venkatachalam P. and Solomon F.D. Paul (2008) Cytogenetics markers for radiation biodoimetry. *Radiation Science Today (ISRB)* 4: 7-8
53. Rakiman I., Chinnadurai M., Baraneedharan U., Solomon F.D. Paul and Venkatachalam P. (2008). γ -H2AX assay: A technique to quantify DNA double strand breaks. *Advance Biotech* 7(1): 39-41.
54. Parvathi D.V., Neeli S. and Solomon F.D. Paul (2008) Genetics of Recurrent Spontaneous Abortion. *Advance Biotech* 6(12): 16-20.
55. Solomon F.D. Paul, Vijayalakshmi J., Koshy T., Kaur H., Venkateswaran N and Venkatachalam P. (2008) From Ideogram to spectrogram –Part II. *Advance Biotech* 6(11): 34-38.
56. Solomon F.D. Paul, Vijayalakshmi J., Koshy T., Kaur H., Venkateswaran N and Venkatachalam P. (2008) From Ideogram to spectrogram –Part I. *Advance Biotech* 6(10): 30-33..
57. Sukanya S., Govind P. Preeta B. Kavya K., Solomon F.D. Paul and Ravi M. (2008) Characterization of two monoclonal antibodies 10f3 and 15e5 directed against Mitotic Cytosolic proteins of Chinese hamster ovary (CHO) cells. *Advance Biotech* 6(7): 32-35
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