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DESIGNATION : Assistant Professor
EDUCATIONAL QUALIFICATION : PhD
SPECIALIZATION : Molecular Biology
AWARDS/ DISTINCTIONS : Post-Doctoral Research Scientist at Columbia University,
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POSITIONS HELD IN MCC & : Associate Coordinator, Christian Studies
OTHER BODIES : Coordinator, DMLT program

PUBLICATIONS :

- Velmurugan G, Ramprasath T, Swaminathan K, Mithieux G, Rajendhran J, Dhivakar M, Parthasarathy A, Babu DD, Thumburaj LJ, Freddy AJ, Dinakaran V, Puhari SS, Rekha B, Christy YJ, Anusha S, Divya G, Suganya K, Meganathan B, Kalyanaraman N, Vasudevan V, Kamaraj R, Karthik M, Jeyakumar B, Abhishek A, Paul E, Pushpanathan M, Rajmohan RK, Velayutham K, Lyon AR, Ramasamy S. Gut microbial degradation of organophosphate insecticides-induces glucose intolerance via gluconeogenesis. *Genome Biol.* 2017 Jan 24;18(1):8. doi: 10.1186/s13059-016-1134-6.
- Narayan G, Xie D, Freddy AJ, Ishdorj G, Do C, Satwani P, Liyanage H, Clark L, Kisselev S, Nandula SV, Scotto L, Alobeid B, Savage D, Tycko B, O'Connor OA, Bhagat G, Murty VV. PCDH10 promoter hypermethylation is frequent in most histologic subtypes of mature lymphoid malignancies and occurs early in lymphomagenesis. *Genes Chromosomes Cancer.* 2013 Nov;52(11):1030-41. doi: 10.1002/gcc.22098. Epub 2013 Aug 9.
- Rai AK, Freddy AJ, Banerjee A, Kurkalang S, Rangad GM, Islam M, Nongrum HB, Dkhar H, Chatterjee A. Distinct involvement of 9p21-24 and 13q14.1-14.3 chromosomal regions in raw betel-nut induced esophageal cancers in the state of Meghalaya, India. *Asian Pac J Cancer Prev.* 2012;13(6):2629-33.
- Manikandamathavan VM, Rajapandian V, Freddy AJ, Weyhermüller T, Subramanian V, Nair BU. Effect of coordinated ligands on antiproliferative activity and DNA cleavage property of three mononuclear Cu(II)-terpyridine complexes. *Eur J Med Chem.* 2012 Nov;57:449-58. doi: 10.1016/j.ejmech.2012.06.039. Epub 2012 Jul 16.
- Narayan G, Freddy AJ, Xie D, Liyanage H, Clark L, Kisselev S, Un Kang J, Nandula SV, McGuinn C, Subramaniyam S, Alobeid B, Satwani P, Savage D, Bhagat G, Murty VV. Promoter methylation-mediated inactivation of PCDH10 in acute lymphoblastic leukemia contributes to chemotherapy resistance. *Genes Chromosomes Cancer.* 2011 Dec;50(12):1043-53. doi: 10.1002/gcc.20922. Epub 2011 Aug 24.
- Rajalakshmi S, Weyhermüller T, Freddy AJ, Vasanthi HR, Nair BU. Anomalous behavior of pentacoordinate copper complexes of dimethylphenanthroline and derivatives of terpyridine ligands: Studies on DNA binding, cleavage and apoptotic activity. *Eur J Med Chem.* 2011 Feb;46(2):608-17. doi: 10.1016/j.ejmech.2010.11.041. Epub 2010 Dec 10.

PROJECT (on going)

DST –SERB - The role of small non-coding RNA in diabetic heart disease

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