Robin Varghese, Ph.D.

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Curriculum Vitae Robin Varghese



- 4) Nick Kinney, Lin Kang, Laurel Eckstrand, Arichanah Pulenthiran, Peter Samuel, Ramu Anandakrishnan, Robin T. Varghese, P. Michalak, Harold R. Garner. Abundance of ethnically biased microsatellites in human gene regions. *PLoS ONE*. Dec 12, 2019
- 5) Anandakrishnan R, Varghese RT, Kinney NA, Garner HR. Estimating the number of genetic mutations (hits) required for carcinogenesis based on the distribution of somatic mutations. *PLOS Computational Biology*. Mar 7, 2019
- 6) Dash S, Kinney NA, Varghese RT, Garner HR, Feng WC, Anandakrishnan R. Differentiating between cancer and normal tissue samples using multi-hit combinations of genetic mutations. *Scientific reports*. Jan 30, 2019
- 7) Sheng KL, Pridham KJ, Sheng Z, Lamouille S, Varghese RT* Functional Blockade of Small GTPase RAN Inhibits Glioblastoma Cell Viability. Frontiers in Oncology. 8 January 2019
- 8) Kinney N, Titus-Glover K, Wren JD, Varghese RT, et al CAGm: a repository of germline microsatellite variations in the 1000 genomes project. *Nucleic Acids Research*. 17 October 2018
- 9) Varghese RT*, Young S*, Pham L*, Liang Y*, Pridham KJ, Guo S, Murphy SF, Kelly DF, Sheng Z. Casein Kinase 1 Epsilon Regulates Glioblastoma Cell Survival. Scientific Reports. 11 September 2018
- 10) Kinney N, Larsen T, Varghese RT

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Other Experience and Professional Memberships (current)

Member, American Association for Cancer Research 2015-present

Review Editor, Frontiers of Pharmacology 2017-present

Review Editor, Frontiers of Oncology 2017-present

Research Support

06/30/arremtt Research Support

VCOM Research Eureka Accelerator Program (REAP)
07/01/20 06/30/21

Title: Linking the gut microbiome, female reproduction and obesity: Identifying protective molecular mechanisms of the bacterial metabolite, Indole-3-propionic acid, in ovarian and placental cells against obesity-induced cellular stress

Goal: The overall goal of this proposal is to begin identifying the functional relevance of IPA in ovarian and placental cells in the context of a normal and obesogenic

Goal: The goal of the proposed work is to investigate the role of OR2T7 in tumor progression.

Role: Co-Pl (Pl: R. Anandakrishnan)

4. VCOM Research Eureka Accelerator Program (REAP)

07/ 01/ 19 12/ 31/ 20

Title: Chelation therapy sal∏in