Bharat Vaidyanathan

Start Year
2010

End Year
2016

Education
MS, University of Calcutta

Publications

First Author Publications

Vaidyanathan, B., Chaudhry, A., Yewdell, W. T., Angeletti, D., Yen, W.-F., Wheatley, A. K., Bradfield, C. A., McDermott, A. B., Yewdell, J. W., Rudensky, A. Y., & Chaudhuri, J. (2017). The aryl hydrocarbon receptor controls cell-fate decisions in B cells. *The Journal of Experimental Medicine*, *214*(1), 197–208. https://doi.org/10.1084/jem.20160789

Vaidyanathan, B., & Chaudhuri, J. (2015). Epigenetic Codes Programing Class Switch Recombination. *Frontiers in Immunology*, *6*, 405. https://doi.org/10.3389/fimmu.2015.00405

Vaidyanathan, B., Yen, W.-F., Pucella, J. N., & Chaudhuri, J. (2014). AIDing Chromatin and Transcription-Coupled Orchestration of Immunoglobulin Class-Switch Recombination. *Frontiers in Immunology*, *5*, 120. https://doi.org/10.3389/fimmu.2014.00120

Contributing Author Publications

Yewdell, W. T., Kim, Y., Chowdhury, P., Lau, C. M., Smolkin, R. M., Belcheva, K. T., Fernandez, K. C., Cols, M., Yen, W.-F., Vaidyanathan, B., Angeletti, D., McDermott, A. B., Yewdell, J. W., Sun, J. C., & Chaudhuri, J. (2020). A Hyper-IgM Syndrome Mutation in Activation-Induced Cytidine Deaminase Disrupts G-Quadruplex Binding and Genome-wide Chromatin Localization. *Immunity*, *53*(5), 952-970.e11. https://doi.org/10.1016/j.immuni.2020.10.003

Yen, W.-F., Sharma, R., Cols, M., Lau, C. M., Chaudhry, A., Chowdhury, P., Yewdell, W. T., Vaidyanathan B., Sun, A., Coffre, M., Pucella, J. N., Chen, C.-C., Jasin, M., Sun, J. C., Rudensky, A. Y., Koralov, S. B., & Chaudhuri, J. (2019). Distinct Requirements of CHD4 during B Cell Development and Antibody Response. *Cell Reports*, *27*(5), 1472-1486.e5. https://doi.org/10.1016/j.celrep.2019.04.011

Yen, W.-F., Chaudhry, A., Vaidyanathan, B., Yewdell, W. T., Pucella, J. N., Sharma, R., Liang, Y., Li, K., Rudensky, A. Y., & Chaudhuri, J. (2017). BRCT-domain protein BRIT1 influences class switch recombination. *Proceedings of the National Academy of Sciences of the United States of America*

recombination. *Proceedings of the National Academy of Sciences of the United States of America*, *114*(31), 8354–8359. https://doi.org/10.1073/pnas.1708211114

Zheng, S., Vuong, B. Q., Vaidyanathan, B., Lin, J.-Y., Huang, F.-T., & Chaudhuri, J. (2015). Non-coding RNA Generated following Lariat Debranching Mediates Targeting of AID to DNA. *Cell*, *161*(4), 762–773. https://doi.org/10.1016/j.cell.2015.03.020

Vuong, B. Q., Herrick-Reynolds, K., Vaidyanathan, B., Pucella, J. N., Ucher, A. J., Donghia, N. M., Gu, X., Nicolas, L., Nowak, U., Rahman, N., Strout, M. P., Mills, K. D., Stavnezer, J., & Chaudhuri, J. (2013). A DNA break- and phosphorylation-dependent positive feedback loop promotes immunoglobulin class-switch recombination. *Nature Immunology*, *14*(11), 1183–1189. https://doi.org/10.1038/ni.2732

View a full listing of Bharat Vaidyanathan's journal articles.