

Winter storm update: We are monitoring the winter storm (February 22–23). If we need to reschedule or change your visit to a video visit, we will call you. [Read more](#) .

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Bao Q. Vuong, PhD

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Start Year

2006

End Year

2014

Education

PhD, Columbia University

Publications

First Author Publications

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>

Vuong, B. Q., & Chaudhuri, J. (2012). Combinatorial mechanisms regulating AID-dependent DNA deamination: Interacting proteins and post-translational modifications. *Seminars in Immunology*, 24(4), 264–272. <https://doi.org/10.1016/j.smim.2012.05.006>

Vuong, B. Q., Lee, M., Kabir, S., Irimia, C., Macchiarulo, S., McKnight, G. S., & Chaudhuri, J. (2009). Specific recruitment of protein kinase A to the immunoglobulin locus regulates class-switch recombination. *Nature Immunology*, 10(4), 420–426. <https://doi.org/10.1038/ni.1708>

Contributing Author Publications

Nicolas, L., Cols, M., Smolkin, R., Fernandez, K. C., Yewdell, W. T., Yen, W.-F., Zha, S., Vuong, B. Q., & Chaudhuri, J. (2019). Cutting Edge: ATM Influences Germinal Center Integrity. *Journal of Immunology (Baltimore, Md.: 1950)*, 202(11), 3137–3142. <https://doi.org/10.4049/jimmunol.1801033>

Zheng, S., Kusnadi, A., Choi, J. E., Vuong, B. Q., Rhodes, D., & Chaudhuri, J. (2019). NME proteins regulate class switch recombination. *FEBS Letters*, 593(1), 80–87. <https://doi.org/10.1002/1873-3468.13290>

Nicolas, L., Cols, M., Choi, J. E., Chaudhuri, J., & Vuong, B. (2018). Generating and repairing genetically programmed DNA breaks during immunoglobulin class switch recombination. *F1000Research*, 7, 458. <https://doi.org/10.12688/f1000research.13247.1>

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>

Cheng, H.-L., Vuong, B. Q., Basu, U., Franklin, A., Schwer, B., Astarita, J., Phan, R. T., Datta, A., Manis, J., Alt, F. W., & Chaudhuri, J. (2009). Integrity of the AID serine-38 phosphorylation site is critical for class switch recombination and somatic hypermutation in mice. *Proceedings of the National Academy of Sciences of the United States of America*, 106(8), 2717–2722. <https://doi.org/10.1073/pnas.0812304106>

Chaudhuri, J., Basu, U., Zarrin, A., Yan, C., Franco, S., Perlot, T., Vuong, B., Wang, J., Phan, R. T., Datta, A., Manis, J., & Alt, F. W. (2007). Evolution of the immunoglobulin heavy chain class switch recombination mechanism. *Advances in Immunology*, 94, 157–214. [https://doi.org/10.1016/S0065-2776\(06\)94006-1](https://doi.org/10.1016/S0065-2776(06)94006-1)

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