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Joseph N. Pucella, PhD

[Education & Training](#)

Faculty Research Instructor, NYU School of Medicine, New York, NY

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Dissertation

[The Elusive Role of MIR-182 and Clustered Paralogs in Adaptive Immunity \(2018\)](#)

Mentor

[Jayanta Chaudhuri, PhD](#)

Start Year

2010

End Year

2018

Education

BS, Cornell University

Fellowships

[Olayan Fellowship](#) (2011-2012)

Publications

First Author Publications

Pucella, J. N., Cols, M., Yen, W.-F., Xu, S., & Chaudhuri, J. (2019). The B Cell Activation-Induced miR-183 Cluster Plays a Minimal Role in Canonical Primary Humoral Responses. *Journal of Immunology*, 202(5), 1383–1396.

<https://doi.org/10.4049/jimmunol.1800071>

Pucella, J. N., & Chaudhuri, J. (2017). AID Invited to the G4 Summit. *Molecular Cell*, 67(3), 355–357.

<https://doi.org/10.1016/j.molcel.2017.07.020>

Pucella, J. N., Yen, W.-F., Kim, M. V., van der Veecken, J., Luo, C. T., Socci, N. D., Naito, Y., Li, M. O., Iwai, N., & Chaudhuri, J. (2015). miR-182 is largely dispensable for adaptive immunity: Lack of correlation between expression and function. *Journal of Immunology*, 194(6), 2635–2642. <https://doi.org/10.4049/jimmunol.1402261>

Contributing Author Publications

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*, 114(31), 8354–8359. <https://doi.org/10.1073/pnas.1708211114>

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>

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>

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