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Allysia Matthews

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Start Year

2006

End Year

2013

Education

BS, The University of Texas at Austin

Publications

First Author Publications

Matthews, A. J., Husain, S., & Chaudhuri, J. (2014). Binding of AID to DNA does not correlate with mutator activity. *Journal of Immunology*, 193(1), 252-257. <https://doi.org/10.4049/jimmunol.1400433>

Matthews, A. J., Zheng, S., DiMenna, L. J., & Chaudhuri, J. (2014). Regulation of immunoglobulin class-switch recombination: Choreography of noncoding transcription, targeted DNA deamination, and long-range DNA repair. *Advances in Immunology*, 122, 1–57. <https://doi.org/10.1016/B978-0-12-800267-4.00001-8>

Contributing Author Publications

Fernandez, K. C., Feeney, L., Smolkin, R. M., Yen, W.-F., Matthews, A. J., Alread, W., Petrini, J. H. J., & Chaudhuri, J. (2022). The structure-selective endonucleases GEN1 and MUS81 mediate complementary functions in safeguarding the genome of proliferating B lymphocytes. *eLife*, 11, e77073. <https://doi.org/10.7554/eLife.77073>

Lee-Theilen, M., Matthews, A. J., Kelly, D., Zheng, S., & Chaudhuri, J. (2011). CtIP promotes microhomology-mediated alternative end joining during class-switch recombination. *Nature Structural & Molecular Biology*, 18(1), 75–79. <https://doi.org/10.1038/nsmb.1942>

Nowak, U., Matthews, A. J., Zheng, S., & Chaudhuri, J. (2011). The splicing regulator PTBP2 interacts with the cytidine deaminase AID and promotes binding of AID to switch-region DNA. *Nature Immunology*, 12(2), 160–166. <https://doi.org/10.1038/ni.1977>

[View a full listing of Allysia Matthews' journal articles.](#)

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