

Rafael I Brent
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Education

2020 – now Yale College

GPA: 3.95

Relevant Courses: Organic Chemistry I & II; Organic Chemistry Lab I & II; Biochemistry I; Biochemistry/Biophysics and Cell Biology; Physics I; Physical Chemistry I; Bayesian Statistics and Modeling

2018 – 2020 Independent Study

Multivariable Calculus, Linear Algebra

Testing (all scores are the highest possible)

Advanced Placement (AP) tests

Physics 1, 5

Physics 2, 5

Computer Science, 5

BC Calculus, 5

ACT, 36

SAT Subject tests

Biology, 800

Chemistry, 800

Math Level 2, 800

Research Experience

Summer 2019, Laboratory of Dr. Ali Ellebedy, Washington University Medical School

Summer 2021, Laboratory of Dr. Zachary Levine, Yale University

Publication

Turner, JS, Zhuo, JQ, Han, J, Schmitz, AJ, Rizk, A, Al-Soussi, W, Lei, T, Amor, M, McIntire, KM, Meade, P, Strohmeier, S, **Brent, RI**, Bassem, MM, Richey, S, Haile, A, Klebert, M, Suessen, T, Teefey, S, Presti, RM, Krammer, F, Kleinstein, SH, Ward, AB, and Ellebedy, AH. (2020) Germinal centre-mediated diversification of human B cell response to influenza vaccination. *Nature*, 586 (7827), 127–132. <https://doi.org/10.1038/s41586-020-2711-0>

Funding

National Merit Scholar Award, 2020

Yale College First-Year Summer Research Fellowship in the Sciences and Engineering, 2021

Other Activities

Music (French Horn)

Rock Climbing, team and recreational

References

Ali Ellebedy, Associate Professor of Pathology & Immunology
Washington University School of Medicine
ellebedy@wustl.edu

Zachary Levine, Assistant Professor of Pathology and of Molecular Biophysics and Biochemistry
Yale School of Medicine
zachary.levine@yale.edu