



Alun Vaughan Jackson

Postdoctoral Scholar, Genetics

Bio

BIO

Collaborative postdoctoral fellow between the groups of Prof. Michael Bassik (Stanford) and Dr Andreas Puschnik (CZ Biohub) interested in host-virus interactions with the innate immune system.

PROFESSIONAL EDUCATION

- Bachelor of Science, University College London (2016)
- Doctor of Philosophy, University of Oxford (2021)
- DPhil, University of Oxford , Infection, Immunology, and Translational Medicine (2021)
- BSc, University College London , Immunology and Infection (2016)

STANFORD ADVISORS

- Michael Bassik, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Macropinocytosis as a novel target for pediatric high grade glioma therapy**
Nguyen, T., Spees, K., Garcia, C., Arana, S., Du, P., Levin-Konigsberg, R., Vaughan-Jackson, A., Nettnin, E., Bassik, M., Prolo, L.
OXFORD UNIV PRESS INC.2025: v179-v180
- **Development of compact transcriptional effectors using high-throughput measurements in diverse contexts.** *Nature biotechnology*
Tycko, J., Van, M. V., , DelRosso, N., Ye, H., Yao, D., Valbuena, R., Vaughan-Jackson, A., Xu, X., Ludwig, C., Spees, K., Liu, K., Gu, M., et al
2024
- **Deciphering the impact of genomic variation on function.** *Nature*
2024; 633 (8028): 47-57
- **Differentiation of human induced pluripotent stem cells to authentic macrophages using a defined, serum-free, open-source medium (vol 16, pg 1735, 2021)** *STEM CELL REPORTS*
Vaughan-Jackson, A., Stodolak, S., Ebrahimi, K. H., Browne, C., Reardon, P. K., Pires, E., Gilbert-Jaramillo, J., Cowley, S. A., James, W. S.
2021; 16 (12): 3093
- **Efficacy of NS5A inhibitors against unusual and potentially difficult-to-treat HCV subtypes commonly found in sub-Saharan Africa and South East Asia.** *Journal of hepatology*
Nguyen, D., Smith, D., Vaughan-Jackson, A., Magri, A., Barnes, E., Simmonds, P.
2020; 73 (4): 794-799

- **Pharmacological activation of the circadian component REV-ERB inhibits HIV-1 replication.** *Scientific reports*
Bormann, H., Davies, R., Dickinson, M., Pedroza-Pacheco, I., Schilling, M., Vaughan-Jackson, A., Magri, A., James, W., Balfe, P., Borrow, P., McKeating, J. A., Zhuang, X.
2020; 10 (1): 13271
- **Alpha kinase 1 controls intestinal inflammation by suppressing the IL-12/Th1 axis.** *Nature communications*
Ryzhakov, G., West, N. R., Franchini, F., Clare, S., Ilott, N. E., Sansom, S. N., Bullers, S. J., Pearson, C., Costain, A., Vaughan-Jackson, A., Goettel, J. A., Ermann, J., Horwitz, et al
2018; 9 (1): 3797