

# Vita | Callum Arnold

## Education

PhD Biology, <i>Pennsylvania State University</i>	May 2025 (Expected)
MSc Global Health Policy, <i>London School of Hygiene &amp; Tropical Medicine</i>	June 2020
MChem Chemistry, <i>Oxford University</i>	June 2015

## Awards

Braddock Award, <i>Pennsylvania State University</i>	2020-2021
University Graduate Fellowship, <i>Pennsylvania State University</i>	2020-2021
Board of Examiner's Academic Achievement Award, <i>London School of Hygiene &amp; Tropical Medicine</i>	June 2020

## Select Publications

1. Shankar, M., Hartner, A., **Arnold, C.**, Gayawan, E., Kang, H., *et al.* (In-Press), How mathematical modelling can inform outbreak response vaccination, *BMC Infectious Diseases*
2. Bolotin, S., Hughes, S. L., Savage, R. D., McLachlan, E., Severini, A., **Arnold, C.**, *et al.* (2023). Maternal varicella antibodies in children aged less than one year: Assessment of antibody decay. *PLOS ONE*, 18(11), e0287765. <https://doi.org/10.1371/journal.pone.0287765>
3. Wright, J., Science, M., Osman, S., **Arnold, C.**, Sumaida, M., *et al.* (2023). Uptake of pertussis immunization in pregnancy and determinants of vaccination in Toronto, Canada. *Vaccine*. <https://doi.org/10.1016/j.vaccine.2023.10.020>
4. **Arnold, C.**, Srinivasan, S., Rodriguez, S., Rydzak, N., Herzog, C. M., *et al.* (2022). A longitudinal study of the impact of university student return to campus on the SARS-CoV-2 seroprevalence among the community members. *Scientific Reports*, 12(1), 8586. <https://doi.org/10.1038/s41598-022-12499-5>
5. Piché-Renaud, P.P., Groves, H., Kitano, T., **Arnold, C.**, Thomas, A., *et al.* (2020). Healthcare workers' perception of a global outbreak of novel coronavirus (COVID-19) and personal protective equipment: Survey of a pediatric tertiary care hospital. *Infection Control & Hospital Epidemiology*, 1–25. <https://doi.org/10.1017/ice.2020.415>
6. Science, M., Savage, R., Severini, A., McLachlan, E., Hughes, S. L., **Arnold, C.**, *et al.* (2019). Measles Antibody Levels in Young Infants. *Pediatrics*, e20190630. <https://doi.org/10.1542/peds.2019-0630>