

JOHN BOWEN ALLEN

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EDUCATION

BRIGHAM YOUNG UNIVERSITY, PROVO, UTAH, UNITED STATES

BS, April 2016

- Bachelor's Degree: Physiology and Developmental Biology

BRIGHAM YOUNG UNIVERSITY, PROVO, UTAH, UNITED STATES

MS, May 2017-Present

- Master's Degree: Biology

WORK EXPERIENCE

BRIGHAM YOUNG UNIVERSITY, PROVO, UTAH, UNITED STATES

Student Research Assistant, April 2013 – June 2016

- Undergraduate research for Dr. John Kauwe gathering and preparing DNA samples for genetic analysis from Samoan children affected with rheumatic heart disease
- Undergraduate research for Dr. Paul Savage evaluating the effectiveness of synthetically produced antimicrobials against various bacterial strains as a means to prevent infection in endotracheal tubes, joint replacement parts, and other medical situations

ARLINGTON SCIENTIFIC INC, SPRINGVILLE, UTAH, UNITED STATES

Production Assistant, May 2012 – April 2013

- Assembled requested orders of medical diagnostic kits and prepared them for shipment

Technical Production Scientist, May 2016-Present

- Prepared necessary buffers, reagents, and other solutions required for production of medical diagnostic kits
- Tested products for quality and effectiveness prior to shipment
- Tested retention samples at designated time points after shipment to ensure continued effectiveness
- Identify and resolve issues that occur with products to satisfy customer complaints
- Identify ways to improve performance and quality of product components

VOLUNTEERING

Missionary, The Church of Jesus Christ of Latter-day Saints, July 2009 – July 2011

- Assigned to serve in the Dominican Republic Santo Domingo East Mission. I lived in the Dominican Republic for the duration of my assignment, where I taught the people in the Spanish language
- Contributed to the communities to which I was assigned through religious teachings as well as service.
- Performed various leadership assignments involving training other missionaries and caring for their personal needs

Research Assistant, Rheumatic Rescue May 2009 – June 2009, April 2013 – Present

- Assigned to assist faculty mentors with the gathering and preparation of DNA and bacterial samples for analysis
- Assisted doctors and other medical personnel with ECHO screenings to test for the presence of rheumatic heart disease
- Assisted academic personnel with the distribution of educational materials as well as collection of data used for retention purposes

PRESENTATIONS

- “Rheumatic Rescue: Genetic basis for elevated rheumatic heart disease susceptibility in Samoa,” World Heart Federation Congress of Cardiology 2016, Mexico City, Mexico
- “Rheumatic Rescue: Prevalence of group a streptococci in elementary schools in Samoa,” World Heart Federation Congress of Cardiology 2016, Mexico City, Mexico
- “Rheumatic Rescue: Genetic basis for elevated rheumatic heart disease susceptibility in Samoa,” World Heart Federation Congress of Cardiology 2014, Melbourne, Australia
- Updated Samoan government officials and National Health Service staff on progress of genetic research conducted by Rheumatic Rescue, Samoan National Health Services Annual NHS Forum, 2015

PUBLICATIONS

- Parks, T., Kauwe, J.S.K., Allen, J.B., et. al. (2017) Association between a common immunoglobulin heavy chain allele and rheumatic heart disease risk in Oceania. Retrieved from <https://www.nature.com/articles/ncomms14946>

- Kauwe, J.S.K., Allen, J.B., et. al. (2016) Rheumatic Rescue: Genetic basis for elevated rheumatic heart disease susceptibility in Samoa, abstract, World Congress of Cardiology 2016
- Savage, P.B., Allen, J.B., et. al. (2016) Rheumatic Rescue: Prevalence of group a streptococci in elementary schools in Samoa, abstract, World Congress of Cardiology 2016
- Allen, J.W., Allen, M., Allen, L.B., Marumatakimanu, F., Kauwe, J.S.K., Dawdon, K., Allen, J.B., Kauwe, A.I. (2014) Rheumatic Rescue: The use of z-scores to evaluate the World Heart Federation classification, abstract, World Congress of Cardiology 2014
- Kauwe, J.S.K., Allen, M., Allen, L.B., Gage, D., Allen, J.B., Kauwe, A.I., Weenig, T. (2014) Rheumatic Rescue: Genetic basis for elevated rheumatic heart disease susceptibility in Samoa, abstract, World Congress of Cardiology 2014