

Brandie White

Brandiewhite10@gmail.com

SUMMARY OF QUALIFICATIONS

My research aims are to use molecular and genomic techniques to find novel treatments for ecological stressors to aid in conservation. I bring 10 years of field and laboratory experience including skills in molecular biology, sample collection, animal handling, next-generation sequencing and data analysis.

EDUCATION

2016 – San Diego State University, CA

2009 – 2011 B.S. Ecology Behavior and Evolution, University of California San Diego, CA

2006 – 2009 Mt. San Antonio College Walnut, CA

EXPERIENCE

2014- 2016 La Jolla Institute for Allergy & Immunology La Jolla, CA Research Technician
Laboratory of Dr. Vijay Panduranagan and Dr. Anjana Rao Transcriptional profiling of T cells and single cell and mRNA genomic investigations in immune disease, qPCR, genotyping, operating fluidics robots, RNA isolation, library preparation, next-generation sequencing and bioinformatic analysis.

2011 – 2014 Neuropore Therapies San Diego, CA Research Associate Preclinical drug development and efficacy studies up to IND, *in-vivo* procedures, behavioral testing, tissue collection, immunohistochemistry and data analysis.

2010 - 2011 UCSD Neuroscience San Diego, CA Laboratory Assistant, Lab of Prof. Eliezer Masliah Animal husbandry, tissue acquisition, behavior testing and genotyping.

2010 S.B. County Vector Control San Bernardino, CA Vector Ecology Lab and Field Assistant, Wakoli Wekesa, Ph.D. Collect field samples for disease testing, assist in vector ecology lab.

PUBLICATIONS

Seumois G*, Zapardiel JM*, White B*, Dillon M, Hinz D, Sette A, Peters B, Vijayanand P. Transcriptional profiling of T cells identifies distinct features associated with asthma and allergic rhinitis. *Journal of Immunology* 2016 Jul15;197(2):655-64. (*Co-first authors)

Engel I, Seumois G, Chavez L, Chawla A, White B, Mock D, Vijayanand P, Kronenberg M. Innate-like functions of natural killer T cell subsets result from highly divergent gene programs. *Nature Immunology* 2016 Jun;17(6):728-39.

Hinz D, Seumois G, White B, Gholami A, Lane A, Broide DH, Grey H, Schulten V, Sidney J, Bahkru P, Oseroff C, Wambre E, Kwok B, Peters B, Vijayanand P, Sette A. Lack of allergy to timothy grass pollen is not a passive phenomenon but is associated with allergen specific modulation of immune reactivity. *Clinical & Experimental Allergy* 2016 May;46(5):705-19.

HONORS AND ACHIEVEMENTS

- 1st Place Poster “Single Cell Sequencing Validation and Application in Immunology” LJI Retreat 2015
- Poster “Transcriptional profiling of T cells identifies distinct features associated with asthma and allergic rhinitis” Immune Profiling in Health and Disease Conference 2015
- Associated Student President, Mt. SAC 2008-2009
- Student Leadership Scholarship, Mt. SAC 2009
- President’s Volunteer Service Award, President Barack Obama 2009
- Letter of Commendation, United States Senator Dianne Feinstein 2009
- Volunteer of the Year, San Dimas Nature Center 2006
- Team Motivator Award, Student Senate Mt. SAC 2009
- Recognition of Service, LA Zoo 2009
- Guest Lecturer, Mt. SAC “Humans and the Environment” Course Field Trip 2009

VOLUNTEER EXPERIENCE

2011, Present **UCSD Biology** San Diego, CA Collect and catalog arthropods for studies involving habitat destruction, climate change and invasive species with the lab of Prof. David Holway.

2006 – 2009 **Los Angeles Zoo** Los Angeles, CA Assist animal keepers in diet preparation, behavioral enrichment, positive reinforcement training and enclosure maintenance.

2005 – 2006 **Wild Wings of America** San Dimas, CA Rehabilitate birds of prey for re-release into the wild.