

DONOVAN A. ARGUETA

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EDUCATION

University of California Riverside, Riverside, CA

Ph.D Candidate in Bioengineering

Advanced to Candidacy

Expected: 2019

September 2016

California Lutheran University, Thousand Oaks, CA

B.S. in Bioengineering

Areas of Concentration: Robotics, Microbiology

May 2014

AWARDS

NIDA Diversity Scholar Travel Award to National Hispanic Science Network Conference

SfN Travel Award to Japanese Neuroscience Society Meeting, *Society for Neuroscience*

SSEW Scholar Travel Award, University of California San Francisco

NIDA SfN 2016 Diversity Scholar Travel Award, *National Institute of Health*

NIDA ICRS 2016 Trainee Travel Award, *National Institute of Health*

SSEW Scholar Travel Award, University of California San Francisco

NIDA Diversity Supplement, *National Institute of Health*

Dean's Distinguished Fellowship, *University of California Riverside*

Harold Sunde Memorial Endowed Scholarship, *California Lutheran University*

Darling Applied Scientific Computing Grant, *California Lutheran University*

Delbert L. Johnson Memorial Endowed Scholarship, *California Lutheran University*

Provost's Scholarship, *California Lutheran University*

August 2017

February 2017

December 2016

September 2016

June 2016

December 2015

August 2015 – Present

July 2014 – Present

August 2013 – May 2014

May 2012 – August 2012

August 2011 – May 2012

August 2010 – May 2014

TEACHING EXPERIENCE

University of California, Riverside, Riverside, CA

Graduate Writing Center Consultant

Assisted graduate students with fellowship applications and academic/professional writing

May 2017 - Present

California Lutheran University, Thousand Oaks, CA

Departmental Assistant – "Introduction to Robotics"

Assisted with individual teaching, code writing, and hardware design

September 2013 – May 2014

Upward Bound Tutor/Instructor – "Introduction to Engineering"

Worked alongside professor to develop curriculum and guide lab assignments

May 2013 – August 2013

Departmental Assistant – "Physics 211, 212"

Ran discussions and tutoring sessions and assisted in lab setup and proceedings Student Support Services

September 2012 – May 2013

TRIO STEM/English Tutor

Scheduled individual appointments to teach students from first-generation, low-income families in undergraduate coursework across Biology, Chemistry, English, and Writing sub-disciplines

September 2011 – May 2013

RELATED EXPERIENCE

University of California, Riverside, Riverside, CA

DiPatrizio Lab Lead

Represent the DiPatrizio lab in monthly meetings concerning upkeep of facilities and facilitating visits from outside personnel (i.e. insurance inspections, cleaning of shared spaces, etc.)

January 2017 – Present

University of California, Riverside, Riverside, CA

Graduate Student Peer Mentor

Serve as a mentor and contact for incoming graduate students in scientific disciplines.

Develop networking and social programs for student interaction.

June 2016 – July 2017

University of California, Riverside, Riverside, CA

Graduate Student Researcher

Develop research plans and experiments in biomedical sciences to explore the role of endocannabinoids in the healthy and pathophysiological conditions.

July 2014 – Present

California Lutheran University, Thousand Oaks, CAStudent Researcher

Developed programs using “spin” programming language to automate robotic hardware and analyzed the behavior and data processing of an eight-processor controller

May 2012 – August 2012

Pearson Library, Thousand Oaks, CAInformation Services Students Research Assistant

Assisted students with accessing and utilizing research article databases to effectively conduct literature-based research. Provided technical support via internet chat.

January 2011 – January 2014

LANGUAGES

English – Native language

Spanish – Speak with competence, read and write with proficiency

MEMBERSHIPS

Japanese Neuroscience Society Graduate Student Member

Society for Neuroscience Graduate Student Member

International Cannabinoid Research Society Student Trainee Member

UCR Center for Glial and Neuronal Interactions Member and Participant

UCSF Sugar Stress Environment and Weight Member and Participant

Tri Beta Biological Honors Society Phi Tau Chapter

February 2017

September 2016

March 2016

January 2016

December 2015

May 2013

PEER REVIEWED PUBLICATIONS

Hookworm infection increases peripheral endocannabinoid levels with functional effects on parasite burden and host immune response in mice

Jang, J.C., [Argueta DA](#), Batugedara, H.M., Machietto, M., Ge, S., Dillman, A.R., DiPatrizio N.V., Nair, M.G. *PLOS Pathogens*.

August 2017

Identification of a widespread palmitoylethanolamide contamination in standard laboratory glassware

[Argueta DA](#), Angelini R, Piomelli D, DiPatrizio NV. *Cannabis and Cannabinoids Research*. Accepted May 11

May 2017

Peripheral endocannabinoid signaling controls hyperphagia in western diet-induced obesity

[Argueta DA](#), DiPatrizio NV. *Physiology and Behavior*. March 2017; 171:32-39

March 2017

Circulating levels of endocannabinoids respond acutely to voluntary exercise, are altered in mice selectively bred for high voluntary wheel running, and differ between the sexes

Thompson Z, [Argueta D](#), Garland T Jr, DiPatrizio N. *Physiology and Behavior*. March 2017; 170:141-150.

March 2017

Transient Cannabinoid Receptor 2 Blockade during Immunization Heightens Intensity and Breadth of Antigen-specific Antibody Responses in Young and Aged mice

Dotsey E, Ushach I, Pone E, Nakajima R, Jasinskas A, [Argueta DA](#), Dillon A, DiPatrizio N, Davies H, Zlotnik A, Crompton PD, Felgner PL. *Scientific Reports*. February 2017; 7:42584.

February 2017

CONFERENCE PRESENTATIONS

Endocannabinoids in the gut control release of satiation peptides

[Argueta DA](#), DiPatrizio NV. Annual Conference of the Japan Neuroscience Society 2017, Makuhari, Chiba, Japan.

July 2017

Cholecystokinin mediates gut-brain endocannabinoid signaling

[Argueta DA](#), DiPatrizio NV. Annual Conference of the Center for Glial and Neuronal Interactions 2017, UCR.

January 2017

Peripheral Endocannabinoids Control Hyperphagia in Western Diet-Induced Obesity

[Argueta DA](#), DiPatrizio NV. Neuroscience 2016 Conference, Society for Neuroscience, San Diego, CA.

November 2016

Peripheral Endocannabinoids Control Hyperphagia in Western Diet-Induced Obesity

[Argueta DA](#), DiPatrizio NV. Annual Meeting for Sugar, Stress, and Environmental Impact on Weight 2016, UCSF.

October 2016

Dysregulation of Gut-Brain Endocannabinoid Signaling in Mice Maintained on a Western Diet

[Argueta DA](#), DiPatrizio NV. Annual Meeting of the International Cannabinoid Research Society 2016, Bukovina Poland.

June 2016

Dysregulation of Gut-Brain Endocannabinoid Signaling in Mice Maintained on a Western Diet Drives Increased Food Consumption

[Argueta DA](#), DiPatrizio NV. Annual diversity retreat at National Institute on Drug Abuse Headquarters, NIDA NIH.

April 2016

Gut-Brain Endocannabinoid Signaling is Dysregulated in Mice Maintained on a Western Diet

[Argueta DA](#), Kaur J, DiPatrizio NV. Annual Conference of the Center for Glial and Neuronal Interactions 2016, UCR.

January 2016

Gut-Brain Endocannabinoid Signaling is Dysregulated in Mice Maintained on a Western Diet

December 2015

Argueta DA, Kaur J, DiPatrizio NV. Annual Meeting for Sugar, Stress, and Environmental Impact on Weight 2015, UCSF.

The endocannabinoid system is altered in mice bred for high voluntary wheel running

October 2015

Thompson Z, Argueta D, Garland T Jr, DiPatrizio N. Neuroscience 2015 Conference, Society for Neuroscience, Boston, MA

Mechanical Heart Prosthesis

May 2014

Argueta DA, Reinhart C. California Lutheran University Festival of Scholars 2014, Thousand Oaks, CA

Mechanical Heart Prosthesis – Oral Presentation

February 2014

Argueta DA, Reinhart C. IEEE EMBS Ventura County Chapter, February 2014 Meeting, Thousand Oaks, CA

Achieving Autonomy in a Programmable Propeller Board – Oral Presentation

October 2012

Argueta DA, Reinhart C. California Lutheran University Student Research Symposium 2013, Thousand Oaks, CA