

Daniel C. Bazan

University of California, Berkeley	Academic	daniel.bzn @berkeley.edu
Neuroscience PhD Program	Personal	danielcbzn@gmail.com
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Languages: English	ORCID	0000-0002-3217-123X

Current Position

August 2024 - Present	University of California, Berkeley: Neuroscience PhD Program	Graduate student (Ph.D.) PI: Michael Silver
July 2025 - Present	University of California, San Francisco: Lab Member	Team Member PI: Robin Carhart Harris

Education

University of California, Berkeley	2024 - Present
Doctorate in Progress: Neuroscience	
National Institutes of Health	2022 - 2024
FAES Certificates & Online Courses	
La Sierra University (LaSU)	2022
Bachelor of Science (B.S.)	
Major: Neuroscience, <i>High Honors</i>	

Research Positions

Period	Institution	Position
July 2025 -	University of California Berkeley	PhD Student:
	- <u>Silver Lab</u> : Visual Neuroscience and UC Berkeley Center for the Science of Psychedelics	PI: Michael Silver
	University of California San Francisco	Team Member:
	- <u>Carhart-Harris Lab</u> : Human neuroscience and psychopharmacology	PI: Robin Carhart Harris PI: Lorenzo Pasquini
Aug 2024 - May 2025	University of California Berkeley	Rotation Student:
	- Cognitive Building Blocks and Cognitive Neuroanatomy Lab	PI: Silvia Bunge & Kevin Weiner
	- Optical Nanomaterials & Single-Molecule Research Group and Peer Relationship & Comparative Neurobiology of sociality	PI: Markita Landry & Annaliese Beery
	- Visual Neuroscience and UC Berkeley Center for the Science of Psychedelics	PI: Michael Silver
2022 - 2024	National Institutes of Health - Eunice Kennedy Shriver National Institute of Child Health and Human Development (NIH/NICHD)	Postbac Research Fellow PI: Harold Burgess

2023 - 2024	Dana-Faber / Harvard Cancer Institute (Remote)	Research Assistant PI: Narjust Florez
2020 - 2021	Loma Linda University Medical Center Cancer Wing: Theranostic Medicine	Summer Research Assistant Supervisor: Frankis Almaguel
2018 - 2022	La Sierra University: Biology Department: Marine Physiology	Undergraduate Researcher PI: Lloyd Trueblood
2018 – 2022	Psychology and Neuroscience Department:	PI: Christophe Le Dantec
2017 - 2018	Cognitive and Behavioral Neuroscience Biology Department: Virology	PI: Arturo Diaz

## Grants and Fellowships

Award	Institution	Amount	Period
Graduate Research Fellowship Program	National Science Foundation	\$159,000	2024 – 2029
Chancellor’s Fellowship	University of California Berkeley	\$36,000	2024
Stern Health Sciences Fellowship	University of California Berkeley	Undisclosed	2024 - 2029
Marian Diamond Fellowship	University of California Berkeley	\$2000	2024
National Defense Science and Engineering Graduate Fellowship	Department of Defense	Declined	2023
La Sierra University Service and Leadership Award	La Sierra University (LaSU): Administration	\$2000	2021 – 2022
CARES act award	Department of Education	\$10,000	2021
Kwirim Research Fellowship Award	LaSU Biology Department	\$5000	2021
Honors Scholarship	LaSU Honors Department	\$2,000	2019 - 2022
Title V Grant Fellowship	LaSU Title V committee	\$20,000	2017 – 2018

## Honors and Awards

Award	Institution	Period
College of arts and sciences (CAS) Deans Outstanding Senior Award	La Sierra University (LaSU): Deans of the College of Arts and Sciences	2022
Senior of the Year for Neuroscience	LaSU Psychology and Neuroscience Faculty	2022
President’s Award Nominee	LaSU Deans of the College of Arts and Sciences	2022
Department of Psychology and Neuroscience Honors Award	LaSU Psychology and Neuroscience Faculty	2022
Research Emphasis Week First and Second Place (Poster Presentation)	LaSU Students and Faculty	2022

## Publications - Accepted

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Miller G., Tran S., Abrahams R., Bazan D, Blaylock E., Choi J., Grewal S., Hernandez E., Kim D., Kim K., Lee Y. Genome Sequences of Bacteriophages KaiHaiDragon and OneinaGillian, Isolated from Microbacterium foliorum in Riverside, California. Microbiology resource announcements. 2019 Apr 11;8(15)

## Preprint

Sharma H, Robea MA, McGrory NH, Bazan DC, Burton EA, Burgess HA. Functional interrogation of neuronal connections by chemoptogenetic presynaptic ablation. bioRxiv [Preprint]. 2025 Apr 5:2025.04.04.647277. doi: 10.1101/2025.04.04.647277. PMID: 40236196; PMCID: PMC11996543.

## In Review

Bazan, D. C., Le Dantec, C., & Garcia, I. Examining the Interplay of Eccentricity and Duration: Event-Related Potentials Underpinning Duration Memory in Visual Stimuli

Sharma H, Robea MA, McGrory NH, Bazan DC, Burton EA, Burgess HA. Functional interrogation of neuronal connections by chemoptogenetic presynaptic ablation.

## In Preparation

Panlilio, J. M., Bazan, D. C., & Burgess, H. A. Neural circuits regulating waking arousal in zebrafish.

Bazan D. C., Burgess H. A., Size Variability and Structural Covariation Throughout the Zebrafish Brain

Bazan D. C., & Le Dantec C. Effects of Transcranial Direct Current Stimulation (tDCS) over Frontal, Parietal, Temporal, Occipital Cortices on Duration Discrimination.

Garcia I., Bazan D. C., Rebaï M. & Le Dantec C. Daily THC consumption enhances the effect of eccentricity on temporal perception of monochromatic stimuli.

## Teaching Experience

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**Teaching Assistant**, La Sierra University Physics Department

PHYS 101L General Physics Lab

Prof. Elvis Geneston

Spring 2022

PHYS 102L General Physics Lab

Spring 2022

**Teaching Assistant**, La Sierra University Psychology and Neuroscience Department

NEUR 261 & 261L Behavioral and Anatomical Neuroscience

Prof. Christophe Le Dantec

Winter 2022

PSYC 104 & 104L General Psychology and Lab

Prof. Leslie Martin

Winter 2022

NEUR 106 & 106L Intro to Neuroscience

Prof. Suzanne Mallery

Fall 2021

PSYC 104 & 104L General Psychology and Lab

Prof. Christophe Le Dantec

Fall 2021

PSYC 104 & 104L General Psychology and Lab

Prof. Christophe Le Dantec

Fall 2018

## Select Conference Abstracts

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Bazan, D. C., Peruch, J., Yonemoto, G., & Trueblood, L. (2022). Bloody Interaction: The Effect of Elevated Ocean pCO<sub>2</sub> Levels on Blood Oxygen Binding in Metacarnicus magister. Poster presented at the La Sierra University Research Emphasis Week. **(First Place Winner)**.

Bazan, D.C., Santiago, K., Álvarez de La Cruz, A., Das, B., Durán, A. M., & Casiano, C. A. (2022). Targeted glycolysis inhibition by novel enolase-1 inhibitors causes cell death in chemoresistant prostate cancer cells. Poster presented at the La Sierra University Research Emphasis Week **(Second Place Winner)**.

Panlilio, J. M., Bazan, D. C., & Burgess, H. A. (2023). Neural circuits that regulate waking arousal in zebrafish. Society for Neuroscience 2023.

Bazan, D. C., & Burgess, H. A. (2022). Computational Mapping of the Brain: Investigating Structural Covariation and Anatomical Imbalance in the Zebrafish Brain. National Institutes of Health Intramural Conference.

## Select Invited Talks

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### Science

Bazan D.C. (2023) “Investigating Structural Covariation, Brain Scaling, and Anatomical Imbalance in the Zebrafish Brain” Oral Research Presentation. National Institutes of Health Bio-Informatics Core. Program Committee Selected.

Bazan D.C. (2023) “Elucidating the Neurons Responsible for the Arousal Pathway in the Zebrafish Brain” Oral Research Presentation. Post-bac Seminar Series.

Bazan D.C. (2022) “Seeking a cure: Enolase Inhibitors as a Combined Diagnostic and Therapeutic Method for Glioblastoma Multiforme.” Oral Research and Paper Presentation Selected by Honors Research Faculty

### Other

Bazan D.C. (2022) “Keys to success: Tools to boost productivity, longevity, and healthy habits during university.” Oral Presentation. TITLE V 1st Generation and low socioeconomic status Math Bootcamp. La Sierra University.

Bazan D.C. (2021) “The Relationship Between Humanity and the Humanitarian.” Oral Presentation. Southeastern California Conference.

Bazan D.C. (2020) “Unjust living conditions: A solution to housing the marginalized.” Oral Report. Mauritania Housing Authority, Nouakchott, Mauritania.

## Selected Leadership Experience

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<b>President: Honors Council,</b> LaSU Honors Program Student Government	Jul 2021 – Aug 2022
<b>Executive Chair: Finance Committee,</b> SALSU Student Senate	Sep 2021 – Jun 2022
<b>Team Leader,</b> Student Association of La Sierra University (SALSU)	Aug 2021 – Jan 2022
<b>Executive Chair: Constitution and Bylaws Board,</b> SALSU Executive Senate	Dec 2021 – Jun 2022
<b>IGNITE (Freshmen Orientation) Leader,</b> LaSU Office of Student Involvement	Sep 2020 & Sep 2021

## Selected Service Experience

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<b>Presenter,</b> Youth 4 Neuro	Berkeley, CA	July 2025
<b>President,</b> Health Fair Initiative: Columbia County Outreach Group	Columbia, MD	Aug 2022 – Mar 2024
<b>Volunteer,</b> Homes Not Borders: Refugee Housing Program	Montgomery, MD	Sep 2022 – Mar 2024
<b>Language Literacy Tutor,</b> Riverside County Library System	Riverside, CA	Aug 2021 – Aug 2022
<b>Team Leader,</b> Food Distribution Program: La Sierra University Church	Riverside, CA	Aug 2020 – Mar 2021
<b>Consultant,</b> Social Media and Website Project: Inland Empire Health Plan	Riverside, CA	Dec 2020 – Mar 2021
<b>Team Leader,</b> Guatemala Aid Project: Pre-Medical Society Mission Trip	Virtual	Jan 2021 – Mar 2021
<b>Program Supervisor,</b> Adventist Development Relief Agency: Mauritania	Mauritania, Africa	Aug 2019 – Mar 2020
<b>English Tutor,</b> Adventist Development Relief Agency: Mauritania	Mauritania, Africa	Oct 2019 – Mar 2020

## Select Work Experience

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<b>Resident Assistant:</b> La Sierra University Men’s Dorm	Sep 2020 – Mar 2021
<b>International Liaison:</b> La Sierra University International Program	Jun 2019
<b>Catering Supervisor:</b> La Sierra University Dining Services; Catering	Mar 2018 – June 2022
<b>Customer Service Representative:</b> La Sierra University Mens Dorm	Sep 2018 – Jun 2019
<b>Café Manager:</b> La Sierra University Dining Services; Cafeteria	Sep 2017 – JUN 2018
<b>Residential Construction:</b> Josh Durock and Siding	Apr 2020 – Aug 2020

## Affiliations

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Sigma Xi TSRHS	2025 - Present
Society for Neuroscience Student Member	2022 - 2024
PsiChi Honors Society Member	2021 - Present
Psychology and Neuroscience Department Honors	2018 - 2022
La Sierra University Honors Program	2018 – 2022

## References

### Research

**Harold Burgess, Ph.D.**

Senior Investigator  
Section on Behavioral Neurogenetics  
National Institutes of Health (NIH) / Child  
Health and Human Development (NICHD)  
[haroldburgess@mail.nih.gov](mailto:haroldburgess@mail.nih.gov)

**Frankis Almaguel, M.D. Ph.D.**

Senior Investigator  
Molecular Imaging & Therapeutics  
Loma Linda University Health  
CHDMM, LLUH Cancer Center  
[Falmaguel@llu.edu](mailto:Falmaguel@llu.edu)

**Lloyd Trueblood, Ph.D.**

Professor, Department Chair  
Marine Biology and Physiology  
La Sierra University Biology  
Department  
[Lloyd.trueblood@lasierra.edu](mailto:Lloyd.trueblood@lasierra.edu)

**Christophe Le Dantec, Ph.D.**

Assistant Professor  
Cognitive Neuroscience  
La Sierra University Psychology and  
Neuroscience Department  
[cledante@lasierra.edu](mailto:cledante@lasierra.edu)

### Character

**Marjorie Robinson**

Vice President  
La Sierra University

**Chirs Kaatz**

Dean of Students (men)  
La Sierra University

**Andrew Howe Ph.D**

Honors Program Director  
La Sierra University

### Mentioned in:

<https://lasierra.edu/article/pivotal-octopus-ocean-acidity-study-attracts-international-media/>

<https://lasierra.edu/arts-and-sciences/deans-award/>

<https://lasierra.edu/article/universitys-research-emphasis-week-returns-to-in-person-sessions-adds-symposium/>