Michael Sellers Cuoco

PhD Student, Bioinformatics and Systems Biology

Updated December 31, 2023

_		San Diego
Research interests	Retrotransposon activity in the developing, a brain.	ging, and diseased human
Education	University of California, San Diego	La Jolla, California
Education	 PhD in Bioinformatics and Systems Biology Thesis Committee: Fred H. Gage, PhD (Chair) Eran A. Mukamel, PhD (Co-Chair) Graham McVicker, PhD Melissa Gymrek, PhD Nicholas Schork, PhD 	In Progress
	Trinity College BS in Molecular and Cellular Biology Minor in Models and Data	Hartford, Connecticut May 2016
Honors and Awards	NSF Graduate Research Fellowship	2022
	National Science Foundation (NSF) Spot Award Broad Institute	2017
	Beta Beta National Biology Honors Societ Trinity College	2014
	NESCAC Winter All-Academic Team $Trinity\ College$	2014
Research experience	PhD Student	2020 – Present
	Gage Lab, Salk Institute for Biological Studies Mukamel Lab, UC San Diego Mentors: Fred H. Gage and Eran A. Mukamel	La Jolla, California La Jolla, California
	Research Associate Regev Lab, Broad Institute Mentors: Aviv Regev, Benjamin Izar, Pratiksha	2016 – 2020 Cambridge, Massachusetts a Thakore, Yaara Oren

Undergraduate Researcher

2014 - 2016

Meyerson Lab, Dana-Farber Cancer Institute
Mentors: Matthew Meyerson and Alison Taylor

Boston, Massachusetts

Undergraduate Researcher

2013

Trinity College

Hartford, Connecticut

HHMI Science Education Alliance-Phage Hunters Advancing Genomics and Evolutionary Science program. (SEA-PHAGES: seaphages.org)

Research: Published

- Boyle, E. A., Goldberg, G., Schmok, J. C., Burgado, J., Layng, F. I., Grunwald, H. A., Balotin, K. M., Cuoco, M. S., Chang, K.-C., Ecklu-Mensah, G., Arakaki, A. K. S., Ahmed, N., Arceo, X. G., Jagannatha, P., Pekar, J., Iyer, M., Yeo, G. W., "Junior scientists spotlight social bonds in seminars for diversity, equity, and inclusion in STEM." In: *PloS one* 18 (11 Nov. 2023). DOI: 10.1371/journal.pone.0293322.
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Research: Preprint

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Joelle Faybishenko

Fall 2022 – present

Mentorship

Undergraduate Student, UC San Diego Gage Lab, Salk Institute for Biological Studies

La Jolla, California

Evan Lee

Fall 2022 – present

Undergraduate Student, UC San Diego Biology Undergraduate and Master's Mentorship, La Jolla, California Rohini Gadde Fall 2021 – present Undergraduate Student, UC San Diego Mukamel Lab, UC San Diego La Jolla, California Anise Porter Fall 2020 – present Undergraduate Student, UC San Diego Biology Undergraduate and Master's Mentorship, La Jolla, California Jesslyn Goh Fall 2019 - 2020 Undergraduate Student, Wellesley College Cambridge, Massachusetts Regev Lab, Broad Institute Boston, Massachusetts Current: Masters Student, Harvard University Bootcamp instructor Fall 2021, Fall 2022 Teaching Bioinformatics and Systems Biology, UCSD La Jolla, California Teaching assistant Spring 2015 Department of Biology, Trinity College Hartford, Connecticut BIOL 224: Genetics Tutor 2014 - 2016Department of Biology, Trinity College Hartford, Connecticut BIOL 182: Evolution of Life BIOL 183: Cellular Basis of Life BIOL 224: Genetics Committee Member 2021 - Present Service / Outreach Advisory Committee on Diversity La Jolla, California Salk Institute for Biological Studies 2021 - Present Director of Onboarding Symposium Organizer 2022 Graduate Bioinformatics Council La Jolla, California UCSD Bioinformatics and Systems Biology Committee Member 2020 - Present Diversity Equity and Inclusion Committee La Jolla, California UCSD Bioinformatics and Systems Biology

Seminar Organizer

Curriculum Vitae, Michael Sellers Cuoco, 7

2021

Symposium Organizer Fall 2021

Diversity and Science Lecture Series La Jolla, California

UCSD

Volunteer - High Tech High MesaFall 2021Volunteer - La Jolla High SchoolFall 2021

SciChats@Salk Education Outreach La Jolla, California

 $Salk\ Institute\ for\ Biological\ Studies$

Programming Languages

Proficiencies / Skills

R, Python, Bash