Michael Sellers Cuoco

PhD Student, Bioinformatics and Systems Biology

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

Mentors: Aviv Regev, Benjamin Izar, Pratiksha 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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- He, M. X., Cuoco, M. S., Crowdis, J., Bosma-Moody, A., Zhang, Z., Bi, K., Kanodia, A., Su, M.-J., Ku, S.-Y., Garcia, M. M., Sweet, A. R., Rodman, C., DelloStritto, L., Silver, R., Steinharter, J., Shah, P., Izar, B., Walk, N. C., Burke, K. P., Bakouny, Z., Tewari, A. K., Liu, D., Camp, S. Y., Vokes, N. I., Salari, K., Park, J., Vigneau, S., Fong, L., Russo, J. W., Yuan, X., Balk, S. P., Beltran, H., Rozenblatt-Rosen, O., Regev, A., Rotem, A., Taplin, M.-E., Allen, E. M. V., "Transcriptional mediators of treatment resistance in lethal prostate cancer." In: Nature medicine 27 (3 Mar. 2021). DOI: 10.1038/s41591-021-01244-6.
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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