Michael Sellers Cuoco

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Research interests	Retrotransposon activity in the developing, a brain.	ging, and diseased human
Education	University of California, San Diego	La Jolla, California
	 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 National Science Foundation (NSF)	2022
	Spot Award Broad Institute	2017
	Beta Beta National Biology Honors Socie Trinity College	ty 2014
	NESCAC Winter All-Academic Team Trinity College	2014
Research experience	PhD Student	$2020-{ m Present}$
	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	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

Boston, Massachusetts

Mentors: Matthew Meyerson and Alison Taylor

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

- Toda, T., Bedrosian, T. A., Schafer, S. T., Cuoco, M. S., Linker, S. B., Ghassemzadeh, S., Mitchell, L., Whiteley, J. T., Novaresi, N., McDonald, A. H., Gallina, I. S., Yoon, H., Hester, M. E., Pena, M., Lim, C., Suljic, E., Mansour, A. A., Boulard, M., Parylak, S. L., Gage, F. H., "Long interspersed nuclear elements safeguard neural progenitors from precocious differentiation." In: *Cell reports* 43 (2 Feb. 13, 2024). DOI: 10.1016/j.celrep.2024.113774.
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Research: Preprint

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	Undergraduate Student, UC San Diego Biology Undergraduate and Master's Mentorship,	La Jolla, California
	Rohini Gadde Undergraduate Student, UC San Diego	Fall 2021 – present
	Mukamel Lab, UC San Diego	La Jolla, California
	Anise Porter Undergraduate Student, UC Sen Diego	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 Regev Lab, Broad Institute Current: Masters Student, Harvard University	ambridge, Massachusetts Boston, Massachusetts
Teaching	Bootcamp instructor	Fall 2021, Fall 2022
Towaring	Bioinformatics and Systems Biology, UCSD	La Jolla, California
	Teaching assistant Department of Biology, Trinity College BIOL 224: Genetics	Spring 2015 Hartford, Connecticut
	Tutor Department of Biology, Trinity College BIOL 182: Evolution of Life BIOL 183: Cellular Basis of Life BIOL 224: Genetics	2014 – 2016 Hartford, Connecticut
Service / Outreach	Committee Member	2021 – Present
Scrvice / Outreach	Advisory Committee on Diversity Salk Institute for Biological Studies	La Jolla, California
	Director of Onboarding	2021 – Present
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Volunteer - High Tech High Mesa Fall 2021 Volunteer - La Jolla High School Fall 2021 SciChats@Salk Education Outreach La Jolla, California Salk Institute for Biological Studies

Programming Languages

Proficiencies / Skills

R, Python, Bash