

**Karthik Guruvayurappan**  
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## EDUCATION

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2023 - Present	<b>Weill Cornell Graduate School of Medical Sciences</b> <i>Doctor of Philosophy, Computational Biology and Medicine</i>
2019 – 2023	<b>University of California, San Diego</b> <i>Bachelor of Science, Data Science</i> <i>Bachelor of Science, General Biology</i> <b>GPA: 3.962</b>

## RESEARCH EXPERIENCE

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October 2023 - Present	<b>Memorial Sloan Kettering Cancer Center</b> <i>Graduate Student (Rotation)</i> Advisor: Dr. Thomas Vierbuchen
July 2023 – October 2023	<b>Memorial Sloan Kettering Cancer Center</b> <i>Graduate Student (Rotation)</i> Advisor: Dr. Kushal Dey
June 2022-July 2023	<b>University of California, Los Angeles</b> <i>Undergraduate Researcher</i> Advisor: Dr. Paul Boutros
May 2020 – July 2023	<b>Salk Institute for Biological Studies</b> <i>Undergraduate Researcher</i> Advisor: Dr. Graham McVicker

## PUBLICATIONS

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Zhou JL\*, **Guruvayurappan K\***, Chen HV, Chen AR, McVicker G (2023). Genome-wide analysis of CRISPR perturbations indicates that enhancers act multiplicatively and without epistatic-like interactions. *bioRxiv* [preprint].

Chen HV\*, Lorenzini MH\*, Lavalley SN\*, Sajeev K, Fonseca A, Fiaux PC, Sen A, Luthra I, Ho AJ, Chen AR, **Guruvayurappan K**, O'Connor C, McVicker G (2022). Deletion mapping of regulatory elements for GATA3 in T cells reveals a distal enhancer involved in allergic diseases. *American Journal of Human Genetics*.

| \* Authors contributed equally

## AWARDS AND HONORS

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2023	Data Science Scholar Award, UC San Diego
2023	Data Science Student Representative Award, UC San Diego
2023	Data Science Commencement Speaker, UC San Diego
2022	Research Excellence Award, UC Los Angeles
2022	Bruins in Genomics Research Fellowship, UC Los Angeles
2022	Goldwater Scholarship Nominee, UC San Diego
2020	Data Science Undergraduate Research Scholarship, UC San Diego
2019	Data Science Undergraduate Research Scholarship, UC San Diego
2019	Provost Honors, UC San Diego
2019	Roosevelt College Honors Program, UC San Diego

## TALKS

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November 2022	Biological Data Science Meeting, Cold Spring Harbor Laboratory
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## POSTER PRESENTATIONS

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June 2023	UC San Diego Biological Sciences Research Showcase
February 2023	UC San Diego Bioinformatics Exchange
August 2022	UC Los Angeles Bruins in Genomics Poster Symposium

## TEACHING EXPERIENCE

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Spring 2022	Teaching Assistant, Molecular Biology, UC San Diego
Fall 2021	Instructional Assistant, Metabolic Biochemistry, UC San Diego

## OUTREACH EXPERIENCE

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2023-Present	Mentor, iMentor
2023-Present	Mentor, Tri-Institutional Mentorship Initiative
May 2023	Panelist, Planning for Graduate School Student Panel + Mixer
2022-2023	Data Science Student Representative, UC San Diego
2021-2023	Volunteer Scientist, SciChats@Salk

## PROFESSIONAL MEMBERSHIPS

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2020-2023	Association for Computing Machinery AI at UC San Diego
2019-2023	UC San Diego Competitive Club Tennis