

**Vaidehi S. Gandhi**  
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(310) 760-6367

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**Education**

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University of California, Berkeley May 2020  
Bachelor of Arts in Molecular & Cell Biology – Immunology and Pathogenesis  
Senior Thesis: Stranger Danger? Helping Behavior and Bias in Juvenile Male and Female Rats

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**Coursework/Skills**

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- Molecular biology (RT-qPCR, microscopy, cryosectioning, cell culture, IHC, ICC, subcloning, sequencing, RE mapping)
- Immunology (ELISA, hybridoma, immunoprecipitation, FACS, PCR, Western blot)

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**Experience**

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**Undergraduate Researcher**, University of California, Berkeley 2018 – 2020

- Investigated prosocial helping behavior in rats driven by distress of a trapped rat through behavior analysis and neuronal activation visualized by IHC
- Wrote senior thesis on helping behavior in rats, the findings from my thesis will be put into a larger manuscript on Helping Behavior in Juvenile Rats
- Investigated how blood-brain barrier disruption during traumatic brain injury may cause stress-induced aging of astrocytes and phenotypic alterations in mouse astrocytes through TGFB signaling-dependent mechanism through in vivo IHC, RT-qPCR and Western blot

**Student Leader**, University of California, Berkeley 2018 – 2020

- Facilitated experiments for General Chemistry Laboratory courses, assisted instructors, made and standardized solutions, and set up experiments in a timely manner
- Wrote detailed setup and takedown guidelines for experiments, delegated tasks to and assisted other student workers

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**Leadership**

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**SciTrek Volunteer**, University of California, Santa Barbara January 2018 – June 2018

- Set up chemistry/physics-related experiments for local middle and high schoolers
- Taught theory behind experiments, guided thinking, and helped develop understanding of the scientific method

**Instructor**, Mathnasium LLC. Summer 2017, 2018

- Tutored children grades K-12 in mathematics, assigned worksheets
- Rotated between 4-5 students, graded and assigned problems, explained concepts

**Camp Counselor**, Friendship Foundation Summer 2016, 2017, 2018

- Led a group of 15-20 children with special needs in camp activities such as dance, cooking, art, music, and went on field trips
- Learned to accommodate children with different physical abilities, ensured safe play on equipment and in above listed activities
- Oversaw 15 teenage volunteers for 8 hours per day for 2 weeks

**Youth Volunteer**, Friendship Foundation 2011 – 2019

- Attended social events with children with special needs like sports night, birthday club, surf camp, cooking class, and movie night to build one-on-one friendships with the kids
- Facilitated safe and inclusive social interactions between kids and other volunteers

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**References**

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*References available upon request*