

Healthy Brains Project

Faculty: Ann Kring

Supervisor: Ann Kring

Main Contact email: kring@berkeley.edu

Location: In-Person (Berkeley Way West; Li Ka Shing)

Position Dates: Spring 2023 and beyond

Website: <https://esilab.berkeley.edu/>

Description of Research: In collaboration with investigators at Temple University (<https://sites.temple.edu/ellmanlab/>) and the Child Health and Development Studies (CHDS; <http://www.chdstudies.org/>) in Berkeley, we are conducting a study to investigate influences on brain health throughout development, including early life and prenatal development. This is a follow-up study of children whose mothers enrolled in the CHDS in the 1960s. The CHDS enrolled nearly 30,000 pregnant women between 1959 and 1967 at Kaiser Oakland, and this cohort of mothers and offspring have been followed for 60 years. This new follow-up study examines predictors of overall health, cognitive functioning, and brain structure and function using a multi-method approach (interviews, multi-modal brain imaging, cognitive testing, emotion and social functioning). We are studying how early developmental variables might influence clinical, cognitive, and neural outcomes in the now middle-age offspring.

Description of Student Responsibilities:

The goal of our lab is to provide highly motivated students with the opportunity to gain hands-on experience with the process of conducting research. Responsibilities for the Healthy Brains Project will primarily include assisting with the brain imaging portion of the study. Students will need to pass the safety quiz for access to the Brain Imaging Center. Assistants will have direct contact with our participants and work them for the brain imaging portion of the study, escorting to and from the Brain Imaging Center, answering questions about the scan, and talking with participants about other aspects of the project. Data entry and analyses can also be part of the contributions. Research assistants should be able to dedicate 3-6 hours/week (i.e., 1 or 2 units). Times with our participants include Tuesday

afternoons between 1:30 and 3:30 and Saturdays between 10am and noon. Previous research experience, experience working with brain imaging are beneficial, but not required.

Application Process: To apply, please submit a resume/CV, a brief statement of interest, and a copy of your Spring 2023 schedule. The statement should include why you are interested in working on the Healthy Brains Project, why you feel that you would be a good fit, and what about the project interests you. Please submit materials to Prof. Kring at kring@berkeley.edu.

~~**Application Deadline:** Open Until Filled~~

Positions Filled

Research on Children's Linguistic and Cognitive Development

Faculty: Mahesh Srinivasan

Supervisor: Emily Chau

Main Contact email: lcdmanager@berkeley.edu

Location: Hybrid, may require travel to local schools and museums

Position Dates: Spring 2023

Website: <https://lcdlab.berkeley.edu/>

Description of Research: The goal of this program is to provide a comprehensive, hands-on research experience to highly motivated students, while making valuable contributions to cognitive science. Our lab's research explores how linguistic, cognitive, and social abilities arise during human development. A central goal of our research is exploring how these different aspects of development interact with one another. This program is ideal for students who are highly motivated in going to graduate school in psychology, cognitive science, linguistics, or related fields and/or students who are interested in working toward an undergraduate honors thesis. The outcome of these activities will be an enriched understanding of the core concepts of developmental psychology, cognitive science, language acquisition, and of the scientific method.

Description of Student Responsibilities: Students will work closely with the lab manager, graduate students, postdoctoral fellows, and each other, and will be involved in many facets of the research process. This will include reading relevant theoretical and empirical papers, assisting with data collection, assisting with stimuli creation and preparation of study materials, recruiting participants, and processing or analyzing data. Students may also test participants online and in-person. Lastly, students will have the opportunity to attend lab meetings and to present on the projects they are assigned. Weekly Hours: 9-11 hrs Off-Campus

Research Site: NOTE: This position is a combination of remote and in-person work. You may test children virtually, at local museums, and at schools. It requires some of your research hours to be on the weekends.

Application Process: Please email the LCD lab manager, Emily Chau, at lcdmanager@berkeley.edu with the subject line "Psych 199 Application" and include a CV/resume and a cover letter addressing the seven requirements below: Qualifications: SEVEN REQUIREMENTS (Please talk about these in your application):

- 1) Strong interest in language acquisition and/or cognitive development.
- 2) Have taken coursework in at least two of the following: Linguistics, Cognitive Science, Computer Science, Psychology, Philosophy, or Statistics.
- 3) Strong attention to detail.
- 4) Strong organizational skills.
- 5) Strong communication skills, and a native level of fluency in spoken and written English.
- 6) Weekend availability to test participants.
- 7) Have visited our lab website and read about our research before applying.

TIME COMMITMENT: 1) Nine hours of work per week, and a flexible schedule (since you will need to work a mix of weekday and weekend hours each week). 2) Two semesters of work with the lab. In your application, please specify whether you are able to continue working this summer and/or the following fall or spring.

ADDITIONAL PREFERRED SKILLS (Not Required, but if you have them, please talk about these skills in your application): 1) Computer Programming experience (Python, R, Javascript, HTML, etc.). 2) Experience with statistical data analysis. 3) Experience working with children. 4) Experience working with eye tracking technology. 5) Experience doing behavioral coding. 6) Experience with Excel and PowerPoint. 7) Experience working with Qualtrics and/or Amazon's Mechanical Turk.

Application Deadline: 1/22/2023

Cooperation and Social Reasoning in Children

Faculty: Jan Engelmann

Supervisor: Eliza Swindell

Main Contact email: socialoriginsmanager@berkeley.edu

Location: On Campus

Position Dates: Spring 2023

Website: <https://socialorigins.berkeley.edu/>

Description of Research: How do children reason? How strongly is reasoning embedded in social, cognitive processes? The goal of this project is to investigate how children's tendencies for reasoning and cooperation inform one another. We aim to understand how the interplay of these processes develops, from early childhood into middle childhood. The subset of studies involved in this project focus on children's reasoning, beliefs, and interactions with others.

Description of Student Responsibilities: Research assistants will be involved in data collection (running studies over zoom or in-person), coding video data, data organization, assisting with administrative tasks, and recruitment. They must be very comfortable interacting with children and parents. Students should expect to be heavily involved in multiple aspects of the research projects and gain a well-rounded understanding of the research process.

Application Process: Please attach a resume/cv (that includes your GPA) along with a pdf document containing answers to the following questions: 1. What about the Social Origins Lab's research excites you? 2. Do you have previous research experience? If so, please describe it here. 3. Do you have previous experience working with children? If so, please describe it here. 4. Is there anything else that qualifies you to work as a research assistant in our lab? Send to socialoriginsmanager@berkeley.edu with the subject "Psych 199 Application".

Application Deadline: **POSITIONS FILLED**

Investigating the Development of Religious Cognition in Hindu and Muslim Children in India (Fluency at reading and writing Hindi required)

Faculty: Mahesh Srinivasan

Supervisor: Emily Chau

Main Contact email: lcdmanager@berkeley.edu

Location: Virtual for most part, but option of in-person or virtual lab meetings

Position Dates: Spring 2023

Website: <https://lcdlab.berkeley.edu/>

Description of Research: This project explores how Hindu and Muslim children in India develop religious concepts and beliefs. Our project is part of a larger international, cross cultural study. We are interested in questions including how children develop concepts of religious and supernatural entities, how children reason about religious norms, how religious beliefs are passed down through generations, and more. Because this project involves doing translations in Hindi, a native level of fluency in spoken and written Hindi is required. Data collection for the project will also take place in Gujarat, India, so any experience or knowledge with this region of India is valued.

Description of Student Responsibilities: Students will work closely with the professor, lab manager, graduate students, postdoctoral fellows, and each other, and will be involved in many facets of the research process. This will include reading relevant theoretical and empirical papers, helping with Hindi survey translations, providing suggestions on experimental items, working with a team of research assistants in India over Zoom, and processing and analyzing pilot data. Lastly, students will have the opportunity to attend lab meetings and to present on the work they have done each semester. Weekly Hours: 6-8 hrs Off-Campus Research Site: Hybrid Model: Work can be done remotely. Some meetings may be held in person at 2121 Berkeley Way West (the Psychology building).

Application Process: Please email the LCD lab manager, Emily Chau, at lcdmanager@berkeley.edu with the subject line "Psych 199 Religious Cognition Application" and your resume/CV and a cover letter addressing these seven requirements: Qualifications: 7 REQUIREMENTS:

- 1) Strong interest in cognitive development.
- 2) Have taken coursework in at least two of the following: Cognitive Science, Computer Science, Psychology, Sociology, Philosophy, or Statistics.
- 3) Strong attention to detail.
- 4) Strong organizational skills.
- 5) Strong communication skills, and a native level of fluency in spoken and written English AND Hindi.
- 6) Have visited our lab website (lcdlab.berkeley.edu) and read about our research before applying.
- 7) Have visited the Developing Belief Network website (developingbelief.com), i.e. the home to the larger international, cross-cultural study our project is part of, and read about the general research of the network before applying.

TIME COMMITMENT: 1) 6-8 hours of work per week. 2) Two semesters of work with the lab. In your application, please specify whether you are able to continue working this summer and/or the following fall or spring.

ADDITIONAL PREFERRED SKILLS (Not Required, but if you have them, please talk about these skills in your application): 1) Experience translating English to Hindi and Hindi to English. 2) Computer Programming experience (Python, R, Javascript, HTML, etc.). 3) Experience with statistical data analysis. 4) Experience with Microsoft Suite. 5) Experience with Qualtrics.

Application Deadline: 1/22/2023

Improving Electroencephalogram (EEG) Research for Black Individuals

Faculty: Keanan Joyner

Contact email: dnjones@berkeley.edu

Location/Time: In person, 9 hours/week, flexible schedule

Position Dates: Spring 2023

Application Link:

https://berkeley.qualtrics.com/jfe/form/SV_07XUXjfZCqMVLyC

Position Description

The **Clinical Research on Externalizing and Addiction Mechanisms Lab** is seeking undergraduate research assistants to be involved in a data collection project on emotion processing using electroencephalogram (EEG) and other psychophysiological measurements (e.g., heart rate, facial electromyography [EMG]) among individuals who identify as Black. Specifically, Black individuals have been historically largely excluded from EEG research due to EEG technology not being designed to work as well with coarse and curly hair that is prevalent among Black individuals and research teams' lack of ability to work with Black hair. The current project attempts to create methods that will be more inclusive of Black hair and increase their participation in EEG research. As such, we have a **strong preference for research assistants who have any experience working with Black hair** (e.g., your own or others' hair in any capacity).

As an undergraduate RA, you will be expected to interact with research participants and collect EEG and other psychophysiology data. We do not expect you to have any experience with psychophysiology and will provide all the training you need to be able to do this proficiently. Based on individual motivation and curiosity and progress within the lab, opportunities to be involved in research projects alongside graduate students, poster presentations, and honors thesis projects may be available to you as well. Due to the technical complexities of collecting and working with EEG and other psychophysiological data, there is a strong preference for a minimum of a two-semester commitment to working with the lab so you can be adept in these methodologies by the time you finish.

Learning, Attention, and Decision-making in Children

Faculty: Professor Celeste Kidd

Supervisor: Holly Palmeri

Main Contact Email: holly.palmeri@berkeley.edu

Location: Berkeley Way West and off-site testing locations

Dates: Spring 2023

Website: www.kiddlab.com

Description of Research:

The Kidd Lab (www.kiddlab.com, directed by Professor Celeste Kidd) studies learning and belief formation using a combination of computational and behavioral methods. In our behavioral experiments, we measure how humans look, explore, play, and learn starting in infancy and continuing throughout childhood. We use eye-trackers to measure visual fixations, touchscreens to study exploration in kid-friendly apps, and other in-person and remote methods to study a range of developmental topics. In the upcoming Spring 2023 semester, we will continue collecting data in several ongoing studies related to number cognition, attention, and belief formation. Study sessions will take place primarily in local museums, parks, and in the lab.

Description of Student Responsibilities:

Research Assistants in the Kidd Lab will be responsible for running behavioral experiments with children from 2 to 8 years old. This will involve recruiting and scheduling interested families, running study sessions, attending weekly Kidd Lab meetings, and assisting with administrative tasks. There may be opportunities to assist with study design and development. Research Assistants should commit to working approximately 9 hours/week. Although positions will start with a one-semester commitment, there is an opportunity to continue working in the lab in future semesters and/or over the summer. No previous research experience is required, but experience working with children and parents is preferred. Weekend availability is highly preferred.

Application Process:

Please complete our application using this form:

<https://forms.gle/EZH8e774V1pLZ5wh8>

Any questions can be directed to Holly Palmeri (holly.palmeri@berkeley.edu).

Application Deadline: January 23, 2023 at 5pm Pacific Time

Chimpanzees & Emotional Expressions

Faculty: Jan Engelmann

Supervisor: Eliza Swindell

Main Contact email: socialoriginsmanager@berkeley.edu

Location: On Campus

Position Dates: Spring 2023

Website: <https://socialorigins.berkeley.edu/>

Description of Research: The extent to which the emotional expressions of humans are grounded in our evolutionary history is one of the most controversial questions in the affective sciences. In this project, we ask whether humans with no previous exposure to chimpanzees are able to correctly infer their emotions based on only on the chimpanzee's facial expressions. Positive evidence would suggest a shared basis for our emotional expressions, and help shed new light both on our own evolution and on the emotional experiences of our closest living relatives. To this end, we will use recordings from camera traps placed in chimpanzees' natural habitats throughout Africa, and implement advanced statistical methods to establish correlations between the contexts appearing in the videos and the human participants' ratings.

Description of Student Responsibilities: In the first stage of the project, the research assistant will screen short video recordings of chimpanzees in the wild and code them for the appearance of emotional contexts. Once the stimuli are ready, the interested RA may help out with setting up the study questionnaire and gain insights into the data analysis process.

Application Process: Please attach a resume/cv (that includes your GPA) along with a pdf document containing answers to the following questions: 1. What about the Social Origins Lab's research excites you? 2. Do you have previous research experience? If so, please describe it here. 3. Is there anything else that qualifies you to work as a research assistant in our lab? Send to socialoriginsmanager@berkeley.edu with the subject "Psych 199 Application".

Application Deadline: **POSITIONS FILLED**

Research on Infants' and Children's Cognitive Development

Faculty: Fei Xu

Supervisor: Kaitlyn Tang

Main Contact email: babylab@berkeley.edu

Location: On Campus

Position Dates: Spring 2023, Summer 2023

Website: <https://www.babylab.berkeley.edu/>

Description of Research: The Berkeley Early Learning Lab, under the direction of Professor Fei Xu, researches statistical inference, categorization development, social cognition, information search, decision-making and language acquisition in infants and children aged 4 months to 10 years. Children participate in our studies at our Berkeley Way West lab, at preschools, and at local children's museums. Our lab conducts studies using a variety of exciting developmental and psychological methods, including violation of expectation, behavioral measures, verbal tasks, choice paradigms, iPad games and eye tracking. Becoming a research assistant in the Berkeley Early Learning Lab offers students the opportunity to learn more about child development research and the research process, as well as gain first-hand experience interacting with participants in a highly productive research lab. **Stereotype Revision Project*:** This project investigates whether we can change White and Black children's attitudes and beliefs about racial groups. From a young age, children develop positive attitudes and beliefs about their own racial group, and negative attitudes and beliefs about other racial groups. In this study, we expose children to new evidence that is inconsistent with their preexisting beliefs (e.g., most children from another racial group are nice), and examine whether the counterevidence can change their attitudes and beliefs about racial groups.

Description of Student Responsibilities: Research assistants in the Berkeley Early Learning Lab are essential to our research in that they represent our lab to parents and children and ensure that research activities run as smoothly as possible. After 1-2 semesters of exceptional work in our lab, passionate research assistants may be offered the opportunity to work closely with a post-doctoral researcher or graduate student on a particular research project. These opportunities may involve assisting researchers with

data collection and analysis, or collaborating with researchers on designing and implementing new research projects. Typical tasks of first-semester research assistants in our lab are: greeting and escorting parents and child participants to our lab, scheduling participants, preparing and processing consent documents, stimuli production, maintaining stimuli/toys and lab testing spaces, assisting with infant participant recruitment, assisting with administrative work, off-site participant recruitment, assisting with eye tracking calibration, assisting the experimental sessions, and behavioral and statistical coding.

Application Process: Please email Kaitlyn, the BELL lab manager, at babylab@berkeley.edu with a resume/CV and a cover letter by Monday, February 6th, 2023 at 11:59 PM. Additionally, please indicate in your application whether you would like to apply for a general RA position, a Stereotype Revision project RA, or both. Requirements include: Experience working with children and parents and at least 9 hours of availability each week. Not required, but desirable: Committing for more than a semester, Programming skills *For the Stereotype Revision project, we are recruiting White and Black research assistants, to conduct experiments with White and Black children, respectively.

Application Deadline: Monday, February 6th, 2023 at 11:59 PM

A mini-treatment experiment to determine the type of memory support that improves treatment outcome for people who have a mild cognitive impairment

Faculty: Allison Harvey

Supervisor: Allison Harvey, Linyan Ge and Sondra Tiab

Main Contact email: aharvey@berkeley.edu

Location: Remote/Virtual

Position Dates: Spring 2023, Summer 2023, Fall 2023

Website: N/A

Description of Research: With prior NIH funding, we have studied how to improve outcome from treatment by improving patient memory for the content of treatment sessions. Specifically, we have developed and adapted existing findings from cognitive science to isolate 8 memory support strategies. These strategies, which we collectively refer to as the Memory Support Intervention (MSI), are integrated into treatment as usual (Harvey et al., 2014). For the proposed study, we will focus on people who are 60 years of age and older and who are experiencing mild cognitive impairment (MCI). People experiencing MCI stand to derive particular benefit from adding memory support to treatment-as-usual because MCI is associated with changes in memory functioning and an increased need to utilize health services. Thus, adding the MSI to treatment may be an innovative way to improve patient memory for treatment, adherence to treatment and outcome. For this study, the MSI will be added to the 3 core sessions from Transdiagnostic Intervention for Sleep and Circadian Dysfunction (TranS-C). Testing TranS-C is important because (1) sleep and circadian functioning, including and beyond insomnia, is highly prevalent among midlife and older adults, (2) poor sleep has a wide range of serious negative consequences, including on memory and (3) TranS-C addresses a range of the most common sleep and circadian problems experienced by midlife and older adults. Of the original 8 memory support strategies, 4 are "constructive" memory supports. These are thought to be particularly potent because they prompt learners to generate new ideas, inferences or connections that go beyond what is explicitly presented and that result in better outcomes (Zieve et al., 2019). The remaining 4 are "nonconstructive" memory supports that

involve more passively absorbing information or interacting with learning material without generating new content. The key question this proposal is submitted to answer is: What types of memory support are most potent for MCI patients?

Description of Student Responsibilities: The student will join a team who will be recruiting participants, running sessions and organizing/analyzing data. Preference will be given to applicants who can stay with the study through to the end of the fall semester of 2023.

Application Process: Email your CV along with your availability through to Professor Harvey aharvey@berkeley.edu

Application Deadline: Open until Filled

Individual differences in decision making

Faculty: Dr. Sonia Bishop

Supervisor: Dr. Sonia Bishop

Main Contact email: affectivecogneurolab@gmail.com

Location: Opportunities for On Campus and Virtual

Position Dates: Spring 2023, Summer 2023

Website: <http://bishoplaboratory.berkeley.edu/index.html>

Description of Research: The lab conducts a range of computational psychiatry and affective cognitive neuroscience projects focused broadly on delineating component processes contributing to probabilistic decision-making and to understanding which aspects of these processes are disrupted in anxiety and depression and sleep. Some projects are behavioral and some use fMRI to examine the neural substrate of the processes involved. Existing projects supported by funding from NIH involve close collaborations with Professor Anne Collins (Psychology & HWINI, UC Berkeley), Professor Sheri Johnson (Psychology, UC Berkeley) and Professor Peter Dayan (MPI, Tübingen, Germany). Our lab's mission over the next 5-10 years is to computationally characterize the aspects of decision-making that are disrupted in anxiety and depression, differentiating those common to both anxiety and depression versus unique to one or the other (or indeed unique to a given sub-dimension of anxious or depressive symptomatology).

Description of Student Responsibilities: Recruitment of study subjects, running behavioral experiments, phone screening, monitoring sleep sessions, assisting with data collection in active studies, potential opportunity for mini projects Multiple positions available!

Application Process: Send your CV and a brief email explaining your interest in our lab to affectivecogneurolab@berkeley.edu

Application Deadline: Open until filled.

The Psychological and Social Implications of Code-Switching

Faculty: Serena Chen

Supervisor: Serena Chen

Main Contact email: nirupika.sharma@berkeley.edu

Location: Remote/Virtual

Position Dates: Spring 2023, Summer 2023

Website: <http://serena-chen.squarespace.com/>

Description of Research: I am working on a line of research investigating the psychological and social implications of code-switching, or adjusting one's behavior to fit in with a cultural default (or dominant cultural context). Generally, my research interests include code-switching, authenticity, group relations, culture, and shared reality.

Description of Student Responsibilities: Looking for 1-2 research assistants to work on a project primarily in summer 2023 and beyond. There will be opportunities to assist with research in spring 2023. RAs should share an interest in social psychology, and should have preliminary experience working in Qualtrics and/or R (though not required).

Application Process: Please reach out to nirupika.sharma@berkeley.edu with (1) a resume/academic CV and (2) a written portion detailing your background, experience with psychology research/Qualtrics/R, and why you are interested in this project.

Application Deadline: Open until filled

Kids and Family Project (Family and Culture Lab)

Faculty: Qing Zhou

Supervisor: Chris Gys

Main Contact email: cgys@berkeley.edu

Location: On Campus at Berkeley Way West

Position Dates: Spring 2023, Summer 2023

Website: <https://zhoulab.berkeley.edu/projects/>

Description of Research: The Kids and Family Project (KFP) conducted by Dr. Qing Zhou at the UC Berkeley Family and Culture lab is an ongoing longitudinal study on risk and protective factors for the socio-emotional and academic development of Chinese American individuals from immigrant families. Our participants are 258 first- and second-generation Chinese American children, along with their parents and teachers. With this sample we have collected three waves of multimethod and multi-informant data on children's language, cognitive, socio-emotional, and academic development, in addition to parent-child relationships and family cultural orientations. We are now preparing to conduct Wave 4 (13-year followup) of data collection with the individuals (who are now young adults) and parents from the original sample. Wave 4 will be conducted using online or mail surveys of the youths and their parents.

Description of Student Responsibilities: Students with highly proficient or native Chinese (especially Cantonese) speaking abilities are especially welcome to apply given some contact with families will occur in these languages. Students will gain experience: 1) conducting phone screening interviews with parents; 2) administering, collecting, and processing online (using Qualtrics) or paper surveys to parents and youths; 3) managing and analyzing data using Excel, R, and other statistical software; 4) documentation of study procedures, record-keeping and other administrative tasks associated with data and study management. Additionally, as the data is collected, students will learn how databases are created in service of later analysis. Through this process research assistants will gain research experience in developmental psychology, psychology questionnaire instruments for youths and parents, IRB compliance, handling of protected data, and cultural psychology research. Attention to detail and careful

research practice is key. Ability to commit to two semesters is desired, but not required. Prior coursework in Research Methods, Developmental Psychology, and/or Clinical Psychology or Developmental Psychopathology and research experience in Qualtrics, SPSS, or Excel is a plus.

Application Process: Applicants should email Chris Gys (supervising PhD student in the Family and Culture Lab) at cgys@berkeley.edu with their CV and a short note (3-4 sentences) on why they are interested in the project / what skills they hope to learn and bring. In this, please specify the nature of any written/spoken language proficiencies you have in Cantonese or Mandarin.

Application Deadline: Open until Filled

Happiness and Social Well-being - an interview-based study

Faculty: Dacher Keltner

Supervisor: Dacher Keltner

Main Contact email: wetchler@berkeley.edu

Location: On Campus

Position Dates: Spring 2023, Summer 2023

Website: <https://lab.wetchler.com/research-topics/the-social-relationship-diet>

Description of Research: One of the clearest findings in all of happiness research is that having satisfying social relationships is crucial to feeling good about our lives. The problem is that broad truisms like "relationships are important" doesn't help guide many meaningful life decisions. We all need companionship, emotional intimacy, physical touch, a helping hand, etc. Is there a list of "nutrients" that we're trying to amass here to feel fulfilled? How do people vary in their needs? Our present focus is on in-depth, semi-structured interviews. We create expansive discussions with people about their social worlds, attempting to find patterns in the ways in which social wellness (or illness) expresses itself. Pilot research was conducted in Fall 2022, with the full study beginning this semester, in Spring 2023. For this we are considering adding new RA interviewers to the team.

Description of Student Responsibilities: Research Assistants will be trained to interview student participants for our study and will conduct 1-2 such interviews each week for the course of the semester. The interviews are highly dynamic and require creativity and thoughtfulness on the part of the RA interviewer. New RAs will do practice interviews until we feel they are ready to interview real research subjects. After each interview (done on Zoom, recorded), the RA will check the (automatic) transcript for errors and make edits (following our procedure) to de-identify the persons involved. Hence it is about 2-3 hours of work per interview. RAs will also participate in weekly lab meetings (1 hour) where we share our interview experiences and advise one another. RAs will sometimes listen to others' interviews to offer feedback or learn from other interviewers. RAs will also have the option to work on data analysis later in the semester, over the summer, or in the Fall. In total we ask a bare minimum of 5 hours per week, ideally closer to 8-10. We need people who are both genuinely interested and very rigorous/reliable.

Application Process: Email Everett Wetchler at wetchler@berkeley.edu with the following information: - Your year and major / focus of study - Why do you want to be involved in psychology research? - Where do you think you might want to go with your career? (No wrong answers, and you don't have to know -- we simply want to help our RAs towards whatever goals they have) - What about this study, in particular, appeals to you? - What is your biggest fear or hesitation about joining this project? Your GPA, transcript, resume, etc are not important. You don't have to be a stellar student to contribute -- just a reliable and engaged teammate.

Application Deadline: Feb 15th, 2023

Studying the Origins of Word Meaning in Signed Languages (ASL proficiency preferred)

Faculty: Mahesh Srinivasan

Supervisor: Jenny Lu

Main Contact email: lcdmanager@berkeley.edu

Location: Hybrid-Mostly Online with some in person meetings

Position Dates: Spring 2023

Website: <https://lcdlab.berkeley.edu/>

Description of Research: This project explores how children communicate with their parents using gestures by analyzing and coding naturalistic video data of deaf children and their hearing parents. This allows us to ask unique questions about language development such as what kinds of communication strategies children develop to communicate in a wide variety of environments (e.g., having a shared linguistic system with their parents or not) and how different linguistic patterns develop. The second aspect of this project involves analyzing how adult ASL signers analyze different types of word meanings in ASL, and involves developing and analyzing Qualtrics survey data. Some proficiency in American Sign Language (ASL) is strongly preferred, and you can carry out basic conversations in ASL. For aspects of this project, it would be ideal if applicants were interested in data analysis, polysemy, language development, and linguistics.

Description of Student Responsibilities: Our student researchers will work closely with the professor, the lab manager, grad students and postdocs, and each other and will be involved in many facets of the research process, including reading relevant theoretical and empirical papers, being involved in analysis where possible, and producing and presenting a poster at the end of the semester with the other research assistants on this project.

Application Process: Please send a resume/CV and a one-page cover letter addressing your interest in the position and your qualifications to the LCD Lab's manager, Emily, at lcdmanager@berkeley.edu with title "ASL Psych 199 App".

Qualifications:

- 1) Strong interest in language acquisition and/or cognitive development.
- 2) Have taken coursework in at least two of the following: American Sign Language, Linguistics, Cognitive Science, Computer Science, Psychology, Philosophy, or Statistics.
- 3) Strong attention to detail.
- 4) Strong organizational skills.
- 5) Strong communication skills, and a native level of fluency in spoken and written English.
- 6) Have visited our lab website and read about our research before applying.

TIME COMMITMENT:

- 1) Nine hours of work per week preferred.
- 2) Two semesters of work with the lab preferred. In your application, please specify whether you are able to continue working this summer and/or the following fall or spring.

ADDITIONAL PREFERRED SKILLS (Not required at all, but if you have them, please talk about these skills in your application): 1) Computer Programming experience (Python, R, Javascript, HTML, etc.). 2) Experience with statistical data analysis. 3) Experience working with children. 4) Experience doing behavioral coding. 5) Experience with Excel and PowerPoint. 6) Experience working with Qualtrics and/or Amazon's Mechanical Turk. 7) A Linguistics background. 8) Experience with corpus analysis.

TWO SEMESTERS REQUESTED: Because we try to engage student researchers in a comprehensive research experience, training and familiarization often takes up the better part of the semester. For this reason, we are strongly interested in hiring students who are able to commit to more than one semester, although those who are only able to commit to one semester are still encouraged. In your application, please also specify whether you are able to continue working this fall and/or the following spring or summer. We may have funding to support the student over the summer.

Weekly Hours: 9-11 hrs

Application Deadline: Open until filled