The Berkeley Daily Life

Faculty: Iris Mauss
Supervisor: Emily Willroth
Main Contact email: ecwillroth@berkeley.edu
Location: BWW
Position Dates: August 2019 - December 2019

Description of Research: This study examines how the emotion regulation strategies that people use in their daily lives interact with characteristics of the situations they experience to influence their psychological well-being.

Description of Student Responsibilities: The research assistant will conduct phone screening interviews to determine participant eligibility. The research assistant will also run participant sessions. These sessions consist of leading an informational session on how to use a daily experience sampling smartphone app and supervising community and student participants while they complete surveys at computer stations. The research assistant should be available for six hours per week.

Application Process:
Email Emily Willroth at ecwillroth@berkeley.edu with your weekly availability (Mon-Fri), a list of any previous research experience, and why you are interested in this position.

Serial Dependence: A Psychophysical and Neuroimaging Study About the Stability of Human's Visual Perception

Faculty: David Whitney
Supervisor: Yuki Murai
Main Contact email: ymurai@berkeley.edu
Location: BWW
Position Dates: August 2019 - December 2019
Website: https://whitneylab.berkeley.edu

Description of Research: Using both psychophysical and neuroimaging techniques, we investigate the underlying psychological and neural mechanisms of visual perception. RAs will be responsible for running experiments, and will receive training on how to design psychological studies and how to record and analyze data.

Description of Student Responsibilities: RA tasks include: - recruiting and scheduling experiment participants - data collection for psychological and neuroimaging experiment - (potentially) data analysis using softwares such as MATLAB, EEGLAB, BrainVoyager

Application Process: If you are interested, please email ymurai@berkeley.edu with your name and resume.

Personality and Emotion

Faculty: Oliver John
Supervisor: Ryan Lundell-Creagh
Main Contact email: ryanlundellcreagh@berkeley.edu
Location: On-campus
Position Dates: August 2019 - December 2019

Description of Research: The Berkeley Personality Lab is currently searching for several research assistants interested in personality, emotion, and their interactions, to work on various projects related to these topics.

Description of Student Responsibilities: Students will work directly with 3rd year graduate student Ryan Lundell-Creagh. Responsibilities will vary depending on which project the student is assigned to, and can include literature reviews, data cleaning, assisting with data analysis, and running in lab sessions with emotional manipulations. All RAs will also be expected to attend check-in meetings on a bi-weekly basis.

Application Process: If interested in applying, please send:
1. A CV
2. List of courses completed
3. Short description of why these topics interest you

Email to ryanlundellcreagh@berkeley.edu. Please use the email heading "Personality and Emotion RA Application".

Interpersonal Emotion Regulation in Romantic Couples

Faculty: Sheri Johnson
Supervisor: Benjamin Swerdlow
Main Contact email: bswerdlow@berkeley.edu
Location: BWW
Position Dates: Fall 2019 - Spring 2020

Description of Research: We frequently rely on other people, especially close others, to help us manage and regulate our emotions. Yet, psychological research has typically focused on how people regulate their own emotions, so relatively little is known about interpersonal emotion regulation processes. Therefore, the present study aims to investigate how romantic couples regulate each other's emotions in their daily lives. Specifically, our aim is to examine links between provision and recipient of interpersonal emotion regulation, psychological wellbeing, and relationship satisfaction.

Description of Student Responsibilities: Research assistants may be responsible for recruiting and communicating with study participants, managing quantitative data, and coding audio recordings. Other duties may include: preparing and filing documents, literature reviews, piloting new study procedures, and running baseline laboratory sessions. The goal is for research assistants to learn about the process of psychological research, become experts in the cultural informant model of content coding, and learn about interpersonal emotion dynamics and the psychology of romantic relationships.

Application Process: To apply, please email bswerdlow@berkeley.edu with a current CV and a brief statement of interest.

Cleaning Psychophysiology Data for the Behavior and Mental Health Study

Faculty: Sheri Johnson
Supervisor: Kiana Modavi and Amelia Dev
Main Contact email: kmodavi@berkeley.edu and ameliadev@berkeley.edu
Location: On-Campus
Position Dates: August 2019 - December 2019
Website: https://calmprogram.wixsite.com/calmania

Description of Research: Much attention has been focused on dysfunction associated with high or low approach motivation, or with deficits in effortful control. Recent evidence suggests that it is important to consider these two dimensions jointly. This project examines the transdiagnostic effects of extremes in approach motivation and cognitive control across self-report, behavioral, and fMRI measurements. For this particular position, the study is looking for someone to help us with two primary tasks: 1. clean psychophysiology data 2. other administrative tasks (literature searches, helping compile references, etc) Day-to-day supervisor for this project: Kiana Modavi & Amelia Dev, Staff Researcher Qualifications: We are seeking students with: - Availability with class schedules to accommodate coming in to our lab 2-3 times/week - Psychology majors are preferred but not required - Punctuality, professionalism, and a careful and conscientious demeanor (you will be working with confidential data!) - Detail-oriented - Psychology majors are preferred, but other majors can certainly apply. GPA of 3.5+ preferred. Weekly commitment: roughly 9 hrs (with some opportunity to work remote 1-2 hrs/wk)

Description of Student Responsibilities: The primary goal is for research assistants to learn about the process of cleaning psychophysiology data and gain exposure to work surrounding the relationships between cognition, emotion, and impulsivity. Your primary responsibility will be to learn how to clean skin conductance data using MindWare software, and then to assist with cleaning this data for our study data. While the bulk of your hours will be dedicated to cleaning psychophys data, there may be occasional administrative work on an as-needed basis: literature reviews, compiling references, assisting with study recruitment by flyering or calling potential recruitment partners, etc. Most of this work will take place in BWW. However, some of the administrative work may be completed remotely. There may be an opportunity for this position to move into a more traditional RA position in the Spring.

Application Process: Please send your CV/resume and a brief cover letter (including your research interests and weekly availability) to calmprogram@gmail.com. In the meantime, please feel free to write with any questions or other inquiries. Thanks!

Emotion Fit and Well–Being

Faculty: Iris Mauss
Supervisor's email:imauss@berkeley.edu
Main Contact email: geraldyoung@berkeley.edu
Location: On-Campus
Position Dates: Fall 2019 - Spring 2020
Website: https://eerlab.berkeley.edu/

Description of Research: How well we are aligned – or "fit" – with our sociocultural context is one of the key determinants of our well-being. For example, fit between American employees' values and those of their workplace predicts greater well-being (Edwards & Rothbard, 1999). Fit between our personality traits and the cultural context in which we live is associated with social well-being (Friedman et al., 2010). Fit can occur along many different dimensions. We argue that emotional fit – experiencing normative emotions for one's sociocultural context – might be an especially crucial dimension to consider, for three reasons. First, emotion experience is closely associated with well-being (Diener et al., 2010; Fredrickson & Joiner, 2002). Second, emotions are inextricably tied to our social lives (Barrett, 2012) and relationships (Mesquita, 2007), and third, emotions motivate appropriate and effective behavior for the prevailing sociocultural context (Keltner & Haidt, 1999). This research investigates the concept of emotion fit and its link with well-being across cultures. Further, we aim to identify the mechanisms by which emotion fit leads to greater well-being. We will be recruiting UC Berkeley students, community participants in the Bay Area, and community participants in China with the help of a collaborator.

Description of Student Responsibilities: Survey creation (Qualtrics), Data analysis in R, Literature reviews, Reading of provided research articles, 1 on 1 & group meetings

Application Process: Please email geraldyoung@berkeley.edu with a description of yourself and what you hope to gain as a research assistant

How Can We Best Facilitate Behavior Change in Cognitive Behavioral Therapy for Depression?

Faculty: Allison Harvey
Supervisor: Courtney Armstrong
Main Contact email: courtney.armstrong@berkeley.edu
Location: BWW
Position Dates: August 2019 - December 2019

Description of Research: The goal of this research project is to understand how adjustments made to Cognitive Behavioral Therapy (CBT) for depression might facilitate changes in behavior that lead to improved treatment outcomes. Participants, who have received cognitive behavioral therapy for depression, will be interviewed post-treatment so we may ascertain how we can facilitate behavior change during treatment using concepts identified by behavior change experts.

Description of Student Responsibilities: Research assistants will be responsible for coding data from interviews and will receive training in how to follow a theory-based coding manual. This will include familiarizing themselves with the project's codebook, listening to audio recordings of interviews, coding data, and submitting their coding notes to the supervisor. Audio recordings are typically no more than 20 minutes. As a part of the coding process, research assistants will be required to submit their coded data to the research mentor in a timely fashion and meet with other research assistants and the research mentor when discrepancies in coding arise. An additional meeting will also be held to help research assistants familiarize themselves with coding and relevant research literature. All the students' hours will occur on campus. This includes coding and entering data.

Application Process: Please send your CV or resume to courtney.armstrong@berkeley.edu.

<u>Understanding Bias Towards Native Americans</u>

Faculty: Arianne Eason
Supervisor: Arianne Eason
Main Contact email: easona@berkeley.edu
Location: BWW
Position Dates: August 2019 - December 2019

Description of Research: In this research, we investigate how our representational landscape affects people's perceptions of diverse others. That is, we study the available representations in our social world, such as those offered by the media, popular culture, school, and scientific research. In addition we also consider what representations are systematically missing from these important domains. We argue that not only do the available representations often work to perpetuate negative stereotypes, prejudice, and bias, but also that people make meaning from the lack representation and this constitutes a form of bias, which ultimately impacts intergroup relations.

Description of Student Responsibilities: Overall, students will be involved in all parts of the research process. For example, students will help to design, conduct, and manage research projects and data. This includes learning to run studies within lab. In addition, students will help identify and synthesize literature from a broad range of disciplines.

Application Process:
1. Email a copy of your CV/resume to easona@berkeley.edu
2. Please write a paragraph, no more than 500 words, on why you are interested in the position
3. Include a list of your relevant coursework.

Perceptions of Resource Possession and Allocations in Infancy

Faculty: Arianne Eason
Supervisor: Arianne Eason
Main Contact email: easona@berkeley.edu
Location: BWW
Position Dates: August 2019 - December 2019

Description of Research: Given the ubiquity of cues to wealth and resource inequality and the evolutionary significance of resource control, in this line of work I explore the development of evaluations based on resource allocations. For example, I ask are infants sensitive to how resources are distributed/acquired; how do infants evaluate fair and unfair resource distributors; how do infants evaluate advantaged and disadvantaged resource recipients/group members? Furthermore, I investigate whether there are individual/cultural differences in these sensitivities and evaluations.

Description of Student Responsibilities: Overall, students will be involved in all parts of the research process. For example, students will help to design stimuli, recruit participants, conduct, and manage research projects and data. This includes learning to run studies within lab. In addition, students will help identify and synthesize literature. This project involves coding infant behavior, filming stimuli, and recruitment, in order to conduct infant research in the late Fall/Spring. We would like a one year commitment from undergrad students for this project.

Application Process:
1. Email a copy of your CV/resume to easona@berkeley.edu
2. Please write a paragraph, no more than 500 words, on why you are interested in the position
3. Include a list of your relevant coursework.

Racial Segregation and Same-Race Preferences

Faculty: Arianne Eason
Supervisor: Arianne Eason
Main Contact email: easona@berkeley.edu
Location: BWW
Position Dates: August 2019 - December 2019

Description of Research: One hallmark of U.S. society is the people from various racial and ethnic backgrounds who live within it. Nonetheless, these racial groups live, attend schools, and work in largely segregated locations. Consequently, they experience very little diversity and cross-group interaction in their everyday lives. This project investigates how exposure to segregated spaces can shape people's expectations about cross-race interactions and their willingness to engage across group lines.

Description of Student Responsibilities: Overall, students will be involved in all parts of the research process. For example, students will help to design stimuli, recruit participants, conduct, and manage research projects and data. This includes learning to run studies within lab. In addition, students will help identify and synthesize literature from a broad range of disciplines. This research includes studies with children and studies with adults. Thus, students will have the opportunity to run participants. Ideally, we would like a two semester commitment from student researchers.

Application Process:
1. Email a copy of your CV/resume to easona@berkeley.edu
2. Please write a paragraph, no more than 500 words, on why you are interested in the position
3. Include a list of your relevant coursework.

Golden Bear Sleep and Mood Research Clinic

Faculty: Allison Harvey
Supervisor: Heather Hilmoe
Main Contact email: heatherhilmoe@berkeley.edu
Location: BWW
Position Dates: August 2019 - December 2019
Website:https://www.ocf.berkeley.edu/~ahsleep/

Description of Research: While treatments for depression have improved over the years, a need exists to improve treatments for Major Depressive Disorder (MDD) because a proportion of patients do not respond to existing treatments. Of those who do, the majority relapse. Meta-analyses confirm Cognitive Therapy (CT) as a frontline treatment, with patients less likely to relapse than those on antidepressant medications alone. Despite these impressive outcomes, there is room for improvement, as only one third of all patients respond to treatment and last a year without relapse. The purpose of our Depression Treatment Study is to improve treatment in order to provide lasting benefits for people with depression. Our Parent-Teen Sleep Improvement study is focused on improving teen sleep behaviors with the help of their parents. The purpose of this study is to augment a transdiagnostic treatment for teen sleep behaviors to provide long-term benefits for adolescents. Our HABITs formation study is focused on improving adult sleep behaviors with the help of sleep coaching and reinforcement.

Description of Student Responsibilities: Students will be assigned to various lab crews based on interest and demonstrated skills. Students must be able to commit to around 10 hours of work per week (required) for a minimum of one month.. Data Crew Must have excellent attention to detail. Duties will include data entry of a variety of study information. Data entry experience is preferred, but not required. Working knowledge of Excel and Google Sheets, MS Access and R is preferred and would be helpful in fulfilling the role. Recruitment and Administrative Crew Must be organized, punctual, and responsible. Students may help project coordinators with aspects of the study including collecting sleep diaries (calling participants daily to collect sleep data over a week-long period), recruiting participants/flyering, preparing for sessions, contacting organizations for study recruitment, doing post-session tasks,, and various administrative tasks such as scanning, making copies, and preparing therapy binders. Recording Crew Must have excellent attention to detail and proficiency using Excel and general computer skills. Students will upload and review therapy tapes for recording errors and perform HIPAA-compliant procedures to ensure patient confidentiality.
Application Process: If you are interested in potentially working with the lab, please email a CV or resume along with a cover letter to Heather Hilmoe at heatherhilmoe@berkeley.edu

Language, Emotion, and Development Project (Zhou Culture and Family Study Lab)

Faculty: Dr. Qing Zhou
Supervisor: Carol Rivera and Megan Chan
Main Contact email: c.rivera@berkeley.edu and meganc0106@berkeley.edu
Location: On & Off Campus
Position Dates: August 2019 - December 2019
Website: https://zhoulab.berkeley.edu/

Description of Research: Project LEAD (Language, Emotion, and Development) is a longitudinal study funded by the National Institute of Health (PIs: Qing Zhou at UC-Berkeley; Yuuko Uchikoshi at UC-Davis). This study aims at investigating the links among bilingual development, executive function, parent-child and teacher-child relationships, and socio-emotional development in young children from Mexican American and Chinese American families. We will recruit 400 dual language learners from Head Start programs in the San Francisco Bay Area, and follow these children and their families annually for three years (from preschool to kindergarten). Three waves of multi-method data will be collected from children and families through classroom observation, home interview and observation, parent and teacher survey, and language and neuropsychological test.

Description of Student Responsibilities: Training includes opportunities to learn to administer multiple measures and tools in psychological research, including emotion, cognitive, and language assessments of children, behavioral observations of parent-child interactions, parent and teacher interviews and surveys, and classroom observations. Essential functions include: Recruit research participants from local preschool programs, maintain contact with preschool staff in coordinating recruitment events; Carry out psychological and behavioral assessments of preschool-age children and their parents at participants' homes and local preschools, and conduct classroom observations of teacher-child and peer interactions at local preschools; Distribute and collect teacher questionnaires by mail or at preschools, track and maintain the teacher data; Documentation and record keeping; Enter data and maintain study databases using SPSS, Excel, REDCap, and Qualtrics. Participate in regular supervision meetings and training workshops.

Application Process: We ask that interested applicants fill out our lab RA application online: https://ucbpsych.qualtrics.com/jfe/form/SV_5hGC9sk0kFrBkWh
Please email the project coordinators once your application is submitted. The application will also ask you to upload a copy of your CV and cover letter. Due: 9/3/2019

Investigating the Neural System Involved in Cerebellar Learning Using fMRI and Behavioral Testing

Faculty: Richard Ivry
Supervisor: Richard Ivry
Main Contact email: maedbhking@berkeley.edu
Location: BWW
Position Dates: August 2019 - December 2019
Website: http://ivrylab.berkeley.edu/

Description of Research: Over the past three decades, anatomical, clinical, and neuroimaging studies have demonstrated that the cerebellum is functionally engaged during a broad range of cognitive tasks, extending well beyond the domain of motor control. In particular, functional magnetic resonance imaging (fMRI) has provided a unique opportunity to study cerebellar activity in vivo in humans. Recently, we published a paper showing a parcellation of cerebellar function. However, what is still unclear is how the cerebellum learns across these different task domains. The project will address this question by measuring cerebellar learning across multiple behavioural and fMRI scanning sessions.

Description of Student Responsibilities: This position is suited to a student who is looking for experience across different facets of research: experimental design, participant recruitment, behavioural testing, assistance with fMRI data collection, and data analysis. This position starts now and will continue until the end of the spring semester. The minimum time commitment is 10-15 hours per week. There is scope for an independent project in the lab (under the supervision of a graduate student or postdoc) depending on the progress that is made.

Application Process: Undergraduates of all years are welcome to apply. Programming experience (preferably python) is desirable as is any previous research experience. However, all applications will be considered. Please email maedbhking@berkeley.edu with your CV and a short paragraph explaining 1) why you are interested in this position and 2) what research questions of your own you find intriguing. Looking forward to hearing from you!

<u>Psychological Research on Social Class and Inequality</u>

Faculty: Dr. Dacher Keltner
Supervisor: Laura Guzman
Main Contact email: lguzman2@berkeley.edu
Location: BWW
Position Dates: 2019 - 2020 Academic Year

Description of Research: Our lab is interested in understanding how social class impacts the lives of individuals. This includes, but it not limited to, the influence that social class plays on perceptions as well as how social class cues affect behavior. We are looking for three research assistants to support one of our newest projects.
 Position Commitment: Minimum 6 hours a week

Description of Student Responsibilities:
The primary focus will be to create a "codebook" that indicates whether institutions are displaying class signals on their websites and social media. You will be searching through websites, such as university websites and marking whether various class signals are present. We will provide guidelines on what to look for. Depending on how fast things move, you may also be responsible for conducting literature reviews, creating Qualtrics surveys, and cleaning and analyzing data.

Application Process: To apply for the position, please email the following to lguzman2@berkeley.edu

1. Curriculum Vitae/Resume
2. A cover letter that details your research interests, relevant skills, and what you are hoping to learn or gain from this experience. Within your letter, please indicate your availability for the semester and whether you are hoping to work with our lab for the entire academic year.

This is a great opportunity for students interested in gaining more research experience. Opportunities for more in-depth involvement are available based on your performance and motivation.

Personalizing Psychotherapy for Anxiety and Depression: A Psychophysiological Perspective

Faculty: Aaron Fisher
Supervisor: Esther Howe
Main Contact email: esther_howe@berkeley.edu
Location: BWW
Position Dates: August 2019 - December 2019
Website: http://www.dynamicpsychlab.com/

Description of Research: We recently finished a personalized psychotherapy study for anxiety and depression in which we collected physiological measurements (Heart rate variability, impedance cardiography, skin conductance) at multiple time points. We need to organize this physiological data, clean it, thoughts and behaviors. If you're interested to learn more, you can check out some of Dr. Fisher's work on his research gate page:
http://www.researchgate.net/profile/Aaron _Fisher

Description of Student Responsibilities: Level I: clean data Level II: Conduct literature reviews Level III: Assist with analyses. RAs will be brought on at Level I and may progress based on performance and interest. Requirements: Interest in clinical science research and physiology in particular, self-directed, curious about or committed to pursuing graduate studies in psych, **available for 6 hours per week (2 units).**

Application Process: Email your CV/resume to esther_howe@berkeley.edu with the subject line "Fall 2019 Psychophys RA". Please include a brief paragraph outlining your interest in the role as well as any relevant experience. Application deadline (September 6, 2019)