

Meet the 2016 CBR Fellows

Kimberly Krebs, '16 (Anthropology; Iberian and Latin American Cultures)

Faculty Mentor: Christina Convertino (Assistant Professor of Sociocultural Foundations. University of Texas at El Paso)

Community Partner: University of Texas at El Paso (El Paso, Texas)

Project: Colonia communities are largely Mexican-origin settlements which have grown along the entire border region in recent decades, and which systematically lack consistent infrastructure and suffer from poor housing quality and social marginalization. This research aims to explore how community organizing happens in the *colonia* communities in El Paso, especially as it relates to issues of water quality and access.

Sebastian Green, '19 (Undecided)

Faculty Mentor: Tomas Jimenez (Associate Professor of Sociology)

Community Partner: Unitarian Universalist Refugee and Immigrant Services and Education (Buena Vista, California)

Project: The goal of this research is to elucidate the immigration industrial complex as it affects undocumented immigrants and their families, focusing on the catastrophic effect of deportation on communities both economically and emotionally.

Kendal Jones, '18 (Human Biology)

Faculty Mentor: David Grusky (Professor of Sociology)

Community Partner: Lifelong AIDS Alliance (Seattle, Washington)

Project: This goal of this project is to conduct outcome research for the emergency housing program, focusing on individuals who lived in emergency housing in a motel or shelter over the winter. The second goal is to do a public health analysis of county data to see how many people who are homeless have HIV. The third goal, if there is time, is to enhance the new meal program for kids by providing healthy, culturally appropriate meals.

Jasmine Mueller-Hsia, '18 (Feminist Gender & Sexuality Studies)

Faculty Mentor: Maren Aukerman (Assistant Professor of Education)

Community Partner: Stanford Office of Sexual Assault & Relationship Abuse: Education & Response (Stanford, California)

Project: The guiding topic is romantic relationships. The research explores what Stanford students want to learn about romantic relationships, and how to best teach the information they need.

Ildemaro Gonzales, '18 (Human Biology)

Faculty Mentor: Anne Fernald (Professor of Human Biology)

Community Partner: FIRST 5 Santa Clara County (Santa Clara, California)

Project: The goal of the research is to explore ways to engage and include fathers in the newly developed program called the *Habla Conmigo* Academy, which is designed for

Spanish-speaking families with young children. Participants will be fathers from the Latinx families with toddlers whose mothers have participated in *Habla Conmigo* workshops.

Isabella Leon Calle, '18 (Human Biology)

Faculty Mentor: Anne Fernald (Professor of Human Biology)

Community Partner: FIRST 5 Santa Clara County (Santa Clara, California)

Project: This research aims to assess how much of an impact a community intervention of teaching mothers has made on their children's cognitive development.

Vy Luu, '17 (Sociology)

Faculty Mentor: Tomas Jimenez (Associate Professor of Sociology)

Community Partner: Southeast Asia Resource Action Center (Washington, DC)

Project: Research will be conducted on the current assets and challenges of local Southeast Asian communities that partner with SEARAC, with the aim to contribute to the organization's Strategic Plan.

PAST CBR FELLOWSHIP RECIPIENTS

2015 CBR Projects

Megan Alexander '16 (Human Biology)

Research Team: Carol Winograd, MD (Emerita Professor of Medicine and Human Biology); Teresa Johnson (The Health Trust)

Project: The project aims to answer the question: Can an exercise program be designed for an elderly, physically impaired population that is appealing, appropriate in rigor, and maintainable? Specifically, the project will aim to identify possibilities of exercise in homebound seniors receiving Meals on Wheels from the Health Trust, a Silicon Valley based charitable organization.

Hannah Karpel '16 (Human Biology)

Emily Stebbins '17 (Spanish)

Research Team: Dr. Lisa Chamberlain (Assistant Professor of Pediatrics); Maya Ragavan, MD (Pediatric Resident); Sarah Lucha (Next Door Solution to Domestic Violence)

Project: Intimate partner violence (IPV), defined as behavior within an intimate relationship that causes physical, psychological, economic, or sexual harm, is recognized as a serious medical and public health concern. This project will be evaluating a carefully designed and currently being implemented health education curriculum for survivors of IPV and their children.

Devika Patel '16 (Product Design Engineering)

Research Team: Bhavna Hariharan (Lecturer Mechanical Engineering); Devendra Parekh (Environmental Sanitation Institute, India)

Project: The project intends to explore the factors contributing to Global Preparedness Efficacy (GPE) from a community perspective that contribute to successful collaboration.

Melissa Eidman '16 (Biology)

Research Team: Dr. Gabriel Garcia MD (Professor of Medicine); Javier Kinny (Yurok Tribe Department of Self-Governance)

Project: The primary goal of the project is to improve the standard of healthcare on reservations across the United States by answering the following questions: Who is responsible for providing healthcare for indigenous peoples? How is healthcare provided? And who regulates these services? The project will work with tribes directly to understand how the system is executed.

Crystal Romero '16 (Human Biology)

Research Team: Anne Fernald (Associate professor in Human Biology); Veronica Goei (Grail Family Services)

Project: Grail Family Services is an East San Jose organization that provides accessible grail information to low-income Spanish-speaking parents of young children. The goal of the project is to develop and validate an assessment tool that can be easily administered by the Grail Family Services staff, and at other agencies that adopt this program.

2014 CBR Projects

Katelyn Bechler, '15 (Human Biology)

Research Team: Catherine Heaney, Psychology and Medicine; Mandi Higley, Blue Shield of California; Lodi Call Center, San Francisco, CA

Project: Sedentary behavior has been linked to adverse health outcomes such as obesity and cardiovascular disease, and many Americans have jobs that require sitting for a large proportion of their work day. This project worked collaboratively with employees at a local call center to identify strategies for decreasing the amount of time that they spend sitting during working hours. These strategies were then evaluated for effectiveness in improving the health and well-being of the call center employees. Research results from the project have shown increases in well-being of those employees who were granted “stand up” desks, and the company has committed to investing the purchase of more and is offering them to interested call center employees.

Anna Herschlag, '16 (undeclared)

Research Team: Clayton Hurd, Urban Studies; Betty Aragon, Museo de las Tres Colonias, and Cheryl Distaso, Fort Collins Community Action Network, Fort Collins, CO

Project: This project explored the challenges to advancing environmental and social sustainability in suburban contexts that are racially, ethnically, and socio-economically diverse. The research engaged key local stakeholders in a collective process of reflecting on community norms in order to imagine a *more reflexive and inclusive local politics of sustainability* that would allow for more deliberative and inclusive community-based decision making, increased power-sharing across lines of race/class/ethnic difference, and a more equitable distribution of the environmental, economic, and social "goods" that are the desired outcomes of local sustainability planning and development. Results of interviews and visioning sessions were presented at a community forum in September 2014 which was attended by community residents, local state representatives and senators, and city council members. A commitment to earmark municipal funding for the 2015-16 budget year to improve infrastructure in working class residential neighborhoods (a need identified as significant in the research) was made as a result.

Matthew Johns, '14 (Philosophy)

Research Team: Nicole Ardoin, Education and Stanford Woods Institute for the Environment; Christy Rocca, Golden Gate National Parks Conservancy, San Francisco, CA

Project: The goals of this ongoing project revolve around a deeper understanding of whether and how the Golden Gate Parks Conservancy (GGPC) *Roving Ranger* truck fosters environmental learning, and how that learning may be connected to pro-environmental behavior. The summer research focused on understanding how the *Roving Ranger*, a converted bread truck stocked with information and activities related to GGPC's 37 Bay-Area parks, is perceived by, and how engagement occurs across different audiences.

Pearle Lun, '14 (Anthropology and History)

Research Team: Barbara Voss, Anthropology and Archaeology; Alida Bray, History San José, San José California

Project: This project used archeological, documentary and community-based knowledge to study the role of disease-related discourse in San José's 19th century anti-Chinese movement, which culminated in the destruction by fire of San José's downtown Chinatown in 1887. The team investigated the medicalization of Chinese immigrants in the Market Street Chinatown, using archeological analysis of medicine bottles and other physical evidence of health and disease from the archeological record, as well as archival documents to analyze the hygienic depictions of San José's Chinese residents. This data will be used to explore the interaction between Western and Eastern medicinal practices, sanitary challenges, and strategies in Chinatown.

Linda Nguyen, '16 (undeclared)

Research Team: Gabriel Garcia, Medicine; Jocelyn Woog, Asian Health Foundation, San Jose, CA

Project: The ultimate goal of the study is to assess the hepatocellular carcinoma (HCC) incidence rates in the US in two high-risk groups: non-cirrhotic patients with chronic hepatitis B (CHB) greater than 45 years of age; and patients with cirrhosis of all etiologies and any age, in a community setting and taking into account the effects of age and gender. The information from this study will be instrumental for changes in policy and clinic practices regarding the screening and treatment of patients with CHB, and also will inform the health education of patients about liver cancer development.

Zach Rosenthal, '17 (undeclared)

Research Team: Mindie Nguyen, Medicine; Jocelyn Woog, Asian Health Foundation, San Jose, CA

Project: In the United States, the Asian and Pacific Islander (ASI) population has a disproportionately high hepatocellular carcinoma (HCC) disease burden. The etiologies of underlying liver disease as well as other disease outcomes of foreign-born Asian HCC patients are likely to differ from those of the general U.S. population. Asian-Americans are also understudied, and the goal of this project is to elucidate potential differences that may exist in disease presentation and long-term survival between Asians and non-Asians with HCC. Preliminary findings from the ongoing research project suggest the need to increase access to information for high risk populations both at doctor visits and through community-based organizations including K-12 schools, local YMCAs and other recreational facilities.

2013 CBR PROJECTS

Gustavo Chavez '15 (Human Biology)

Research Team: Professor Gabriel Garcia (School of Medicine) & Dr. Jason Wong, Medical Director of Samaritan House Free Clinic, Redwood City

Topic: Implement a nine-month disease-management program for diabetic patients at Samaritan House Free Clinic, utilizing a student-led model

Project: The proposed disease-management program for this project utilized an “action planning”, collaborative process in which the patient chooses a behavior change goal. The project studies how action plans affect clinical outcomes, patient self-efficacy, and health behaviors. The team will be working to implement and evaluate a volunteer-based model that will continue supporting diabetic patients. Gustavo Chavez played a lead role in designing the research project, conducting the disease-management program, and analyzing and presenting the research findings. Gustavo hopes to work with Samaritan House Free Clinic for at least two more years, and have a positive and lasting impact on the clinic and the patients. The project is a valuable step toward his career goal—becoming a primary care physician with a business degree so that he can shape primary care systems that will effectively address chronic health problems.

Rachel Chung, '15 (Human Biology)

Research Team: Professor Michael Frank (Psychology) & Jenni Martin, Director of Education and Programs at the Children's Discovery Museum (CDM) of San Jose

Topic: Explore the differences in visual experiences at the museum depending on children's age, using babycam and eye-tracking techniques

Project: The aim of this project was to explore children's visual experience in the museum. Throughout the summer, Rachel attended weekly lab meetings to hear about new research as well as an intern seminar that provides instruction about literature reviews, data analysis, presentation, and other topics that facilitate student research. She spent two days a week at CDM collecting data on the floor of the museum. The balance of her time was spent working with Michael Frank and the research staff to catalog and annotate the data that are collected at CDM. Research meetings with the team focus on refining the methods of annotation and analysis for babycam video in order to answer questions of mutual interest.

Annie Kong, '15 (Public Policy)

Research Team: Professor Scott Rozelle (International Agricultural Policy/Woods Institute) & Yaojiang Shi, Executive Director, Northwest Social Science Research and Development Center (NSDRC), Shaanxi, China

Topic: Work with the Rural Education Action Program (REAP) to more fully understand the vulnerable population of infants and mothers in rural China and identify the nutritional health problems they face

Project: REAP's field research center builds strong and extensive connections with the rural communities in Northwest China. This research project consisted of designing a set of open-ended interview questions to collect information including caregivers' understanding of infant nutritional needs; infant feeding practices; the primary sources of information for infant care; and caregivers' position within the household. Annie Kong took these questions into the field to conduct semi-structure interviews with rural families. An experienced REAP team member accompanied her on all of her interviews, and they debriefed after each day in the field, discussing what they learned and how the interview could have been improved. Upon completion of the project, Annie wrote a report detailing the results of her interviewing. In addition to informing REAP's current and future projects, the report will be published in a China-focused academic journal, which will facilitate scholarly discussions on infant nutrition in rural China. The research will also contribute to future policy briefs summarizing the results of REAP's evaluations on infant nutrition in rural China.

Anna McConnell, '14 (Human Biology)

Research Team: Professor Donald Barr (Pediatrics) and Paul Harkin, HIV Services Manager for the Glide Foundation, San Francisco

Topic: Work to provide a focused picture of the HIV risk among marginalized women living in the Tenderloin district of San Francisco

Project: Over the course of ten weeks, Anna conducted interviews with over 50 women, asking about their knowledge and perception of HIV disease, risks for transmission, and access to HIV prevention services. The team's research provides both a qualitative and quantitative understanding of which women are at risk for HIV in this community, and how

prevention services can be better provided. The information collected will provide a meaningful case for expanding HIV prevention funding to regularly include high-risk women.

Francesca Scheiber, '15 (Psychology)

Research Team: Professor Anne Fernald (Human Biology) & Veronica Goei, Executive Director of Grail Family Services (GFS) in San Jose

Topic: Analyze the effectiveness of a series of workshops and home visits designed to help Spanish-speaking parents in the San Jose area increase their children's school readiness and language skills

Project: Dr. Fernald's bilingual research team at the Spanish-language community lab is committed to increasing children's language skills. She recently began an intensive collaboration with GFS to design an intervention for parents of infants and toddlers. This included a series of workshops to introduce parents to new skills for increasing verbal engagement with their young children, which is critical for optimal language development. Data is being gathered to assess whether the intervention is effective—that is, if parents are actually increasing their level of engagement, and whether their children's language skills are actually affected. Francesca Scheiber was involved in transcribing and analyzing audio recordings from these workshops and assisting with home visits. The recordings will be an important part of the curriculum that is being jointly developed for use by GFS in the future. Francesca participated in regular weekly meetings at GFS, interacted daily with the parents and children who were participating in the program, and received on-going, first-rate training in evaluation research as part of the Stanford language lab research team.

Matthew Schneider, '14 (Earth Systems)

Research Team: Professor Christopher Gardner (School of Medicine) & Mark Batcheler, Education Director of Full Circle Farm (FCF) in Sunnyvale, CA

Topic: Identify and creatively overcome some of the root causes and barriers to vegetable consumption by underserved children through improvements to the Summer Farm Camp at Full Circle Farm

Project: The broad objective of this research project is to promote healthier eating habits among children, specifically through increasing the frequency, amount, and variety of vegetable consumption. The current project focuses on the design, implementation, and assessment of a summer camp program on the farm, and builds on two previous years of developing the program. Matt Schneider collected and analyzed both quantitative (e.g., surveys of preferences of vegetables and how these preferences changed over time) and qualitative (e.g., journals, focus groups, reflections) data from the campers. In addition, the fellowship provided Matt with an opportunity to share and teach the farming knowledge and skills he has recently acquired in Hawaii, and to investigate the impact they have on the children who attend summer farm camp at FCF. Matt has a strong interest in sustainable agriculture, and his long-range career plan is to return to Hawaii to build and run a farm.