Berkeley Graduate Division

2016 Student Mentoring and Research Teams & Projects **MENTORS PROJECT DESCRIPTION MENTEES CIVIL & ENVIRONMENTAL ENGINEERING** 1. How Slow Can You Go? Suspended Sediment Settling and the Geomorphology of San Francisco Bay **PLANT & MICROBIAL BIOLOGY** 2. Investigating the Evolution of DRIF Transcription Factors and Their Role in the Floral Symmetry of Tropical Gingers (Zingiberales)



CHEMISTRY

3. The Art of Biosynthetic Chemistry: Using Enzymes to Build Better Biofuels





CHEMISTRY

4. Another Side to Fluoride: Tackling Toxicity with Simplicity





CHEMISTRY

5. Investigation of Nanoscale Forces through Trajectory Sampling of Nanoparticle Motion Using Liquid Phase TEM





SOCIOLOGY

6. I Regret To Inform You That Your Personal Information Has Been Compromised





ANTHROPOLOGY

7. Racial Identity on the Fading Frontier: Archaeological Investigations of an Abandoned Texas Fort Community





NEAR EASTERN STUDIES

8. Visualizing Networks of Knowledge in Ancient Babylonia





PUBLIC HEALTH

EDUCATION

9. Talking Story: A Digital Storytelling Intervention for Promoting Colorectal Cancer Screening in the Latino Church Community of Alameda County





10. Reproducing Sport Stars: How Students Become Elite College Athletes



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PROJECT DESCRIPTION MENTORS MENTEES



ETHNIC STUDIES

11. Unsettling Domesticity: Native Women Derailing U.S. Indian Policy in the San Francisco Bay Area, 1920 – 1940





POLITICAL SCIENCE

12. Perceptions and Misperceptions of Religion in Counterinsurgency Campaigns





HELEN WILLS NEUROSCIENCE INSTITUTE

13. Investigating the Role of the Brain's White Matter in Anxiety





SOCIOLOGY

14. Exceptions to the Racist Rule: Why Some Lack Unconscious Racism





ANTHROPOLOGY

15. Trash or Treasure: Investigating Life-Histories of Places in Fort Davis, Texas through Geoarchaeology





PLANT & MICROBIAL BIOLOGY

16. Developing Streptomyces venezuelae as a Host Bacterium for Advanced Metabolic Engineering





LANDSCAPE ARCHITECTURE & ENVIRONMENTAL PLANNING

17. Field-based Monitoring of Restoration Progress in Wetlands of the Sacramento-San Joaquin Delta





CHEMISTRY

18. Remediation of Contaminated Water through Advanced Oxidation Processes





INTEGRATIVE BIOLOGY

19. Stress and Fertility: What are the Driving Factors?





SOCIOLOGY

20. Redefining Food Access: How Race and Class Shape Grocery Store Preferences

