The 3rd Annual UC San Diego
Public Health Research Day
April 5, 2017 2:00-5:00 pm
Presented by the UC San Diego Institute for Public Health

2:00 pm - 3:00 pm: Keynote Presentations
Recipients of the Institute for Public Health’s Pilot Funds Program will share findings from their groundbreaking work in lifestyle, technology, and climate
MET Auditorium

3:00 pm - 5:00 pm: Poster Session and Reception
Featuring over 100 posters showcasing public health research by UC San Diego students, postdocs, faculty, and staff
MET Rooms 141-145

“Variation in Physical Activity Accumulation & Human Health,” Loki Natarajan, Family Medicine & Public Health
Accelerometers provide a rich and objective framework for minute-level physical activity, yet this information is often lost by aggregating activity over days or weeks. The object of this pilot project was to apply novel functional data methods to derive diurnal patterns of activity, and to show how these are associated with human health.

“Point-of-Care Testing Platforms for Global Health,” Eliah Aronoff-Spencer, Distributed Health Labs, Calit2
Rapid, low-cost point-of-care testing platforms have potential to expand infectious disease diagnostics on a global scale. This pilot project focused on the development of a smartphone-based biosensor and techniques for production of synthetic receptors towards the Hepatitis C virus and HIV.

Heat waves in California are increasing in number and becoming more humid, yet most Californians are not acclimated for humid heat. This pilot project investigated the impacts of humid heat waves on the starkly different climate zones and diverse populations of San Diego County, a microcosm of California.