

## Interests for CVMVCD Research Program

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The Coachella Valley Mosquito and Vector Control District (CVMVCD) is currently seeking applications of collaborative research projects with university researchers having expertise in the field of vector and vector borne disease surveillance, control and ecology for potential funding.

The goal of this collaborative effort will be to develop and evaluate applied vector and vector-borne disease surveillance and/or integrated vector management (IVM) strategies. **Funded projects should seek to improve CVMVCD's operations and surveillance programs and make best use of the District's financial resources. Projects with a 2-year timeline are encouraged.**

Listed below are CVMVCD's research interests for FY 2018-2019.

### CVMVCD Research Interests

These are the general interests of CVMVCD. Projects should address at least one of the following:

1. Implementation of novel mosquito or arbovirus surveillance methods or enhancement of current surveillance methods in the Coachella Valley.
  - a. *Aedes* mosquitoes and their associated arboviruses
    - i. This is of particular interest this cycle. *Ae. aegypti* were discovered in one of our cities May 9, 2016 and are currently found in 7 of 9 cities
  - b. *Culex quinquefasciatus* and *Cx. tarsalis*
  - c. West Nile Virus, St. Louis Encephalitis virus, Western Equine Encephalomyelitis virus
2. Development and implementation of novel or enhanced physical, chemical, and biological control methods targeting at least one of the following:
  - a. Mosquitoes (primarily *Cx.tarsalis*, *Cx. quinquefasciatus*, *Ae. aegypti*)
  - b. Red imported fire ants, *Solenopsis invicta*
  - c. Synanthropic flies ( e.g. eye gnats, house flies, filth flies)
3. Analysis of environmental factors experienced in the Coachella Valley that may influence the amplification of arbovirus transmission with suggested operational strategies to minimize transmission.

Successful proposals will conform to the Research Proposal Guidelines. Questions on guidelines, standards, and research interests can be submitted to Jennifer Henke, Laboratory Manager at (760) 342-8287 or at [JHenke@cvmvcd.org](mailto:JHenke@cvmvcd.org). Final proposals should be emailed to Jennifer Henke by **September 1, 2018**.