



Mosquito and Vector Control Association of California Laboratory Technologies Committee 2025 Charges

Standing Charge: Partner with DART to establish fees for proficiency panels, positive controls, reagents and other support consumables to enhance standardization between labs.

- a. Action steps: Proficiency panels reported in April.
- b. Timeline: Spring quarter.
- c. Status: Complete for 2024. Fees established for 2025.

Standing Charge: Negotiate with vendors on pricing for consumables used in vector control laboratories.

- a) Lead: Kim Hung, Kara Kelly
- b) Action steps: New 2025 quote from ThermoFisher is in progress,
 - a. determine the feasibility of purchasing individual items from the Core Kit.
 - b. Add CDZ kits to the quote list
- c) Status: In progress

Standing Charge: Review and update the MVCAC publication “Identification of the Mosquitoes of California” to ensure inclusion of all species of mosquito that are routinely detected in California.

- a) Lead: Steve Schutz and Eric Haas-Stapleton.
- b) Action steps: UC Davis has finalized “Mosquitoes of California”. Publication. There is a desire to create an online visual key as a companion to this publication.
- c) Timeline: Revisit quarterly.
- d) Status: UC Davis and UCANR are in the peer review process. Informal and formal reviews were submitted by the LTC members.

2025 Charge: Develop a repository of laboratory surveillance procedures to serve as a resource

- a) Lead: Arielle Crews, Jessica Madden, Scott Vo, Andrea Troupin and Megan Saunders.
- b) Timeline: December 2025
- c) Status: gather the SOP for the testing of *Borrelia burgdorferi*, *borrelia miyamotoi* and *Anaplasma phagocytophilum*. across all agencies.

2025 Charge: Create PacVec training videos on placing mosquito traps and identifying mosquitoes.

- a) Lead Olivia Winokur and Chris Barker

- b) Action steps: Determine efficient workflow for completing the videos. Bottle bioassay videos are almost complete. Scripts for adult mosquito traps need to be finalized.
- c) Challenges: Storage of raw footage and B-rolls needed. Hosting of video needs options.
- d) Timeline: Ongoing
- e) Status: The CO2 trap video is available to view and share.
 - a. PacVec and LTC plan to move forward with the next videos in the new year.
 - b. Shoot video content for the BG trap or the Gravid trap
 - c. Receive feedback from the CDC on script by mid January, Olivia to share list of scenes to shoot with volunteers.

2025 Charge: Discuss and establish a proficiency panel for CDZ testing/quality control procedures.

- a) Lead: ?
- b) Action steps. Discuss whether we will create a proficiency panel similar to WSW or provide options for conducting quality control for the assays. Outline the work flow and action steps and timeline for this charge.
- c) Timeline: Ready for the 2026 season
- d) Status: Discussions to take place within the committee in January.

2025 Charge: Put together a workshop for MVCAC 2026 conference.

- a) Lead: Jessica Madden
- b) Potential future R workshop
- c) Action steps: Review workshop ideas and identify action steps moving forward.
- d) Timeline: January 2026

Committee members

Member	Agency	Position	Year Joined	Email
Kim Hung	Coachella Valley MVCD	Southern	2016	khung@cvmosquito.org
Megan Saunders	CDPH, VBDS	CDPH	2023	Megan.Saunders@cdph.ca.gov
Steve Schutz	Contra Costa MVCD	Coastal	2013	sschutz@contracostamosquito.com
Eric Haas-Stapleton	Alameda Co MAD	Coastal	2018	eric@mosquitoes.org
Arielle Crews	San Mateo MVCD	Coastal	2023	acrews@smcmvcd.org
Paula Macedo	Contra Costa MVCD	Coastal / Board Liaison	2022	pmacedo@contracostamosquito.com
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Olivia Winokur	UC Davis	DART	2023	ocwinokur@ucdavis.edu
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Jessica Madden	Shasta MVCD	Sac Valley/Co chair	2024	jmadden@shastamosquito.org
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Christopher Barker	UC Davis	Trustee / DART	2017	cmbarker@ucdavis.edu