UCSF Center for Malaria and Vector-Borne Diseases

Research Symposium and Launch

Sept. 29, 2025, 9 a.m. to 4:30 p.m.

UCSF Mission Bay, Fisher Banquet Room
1675 Owens Street, San Francisco, CA

Research Symposium

Time	Topic	Presenter/panelists	Moderator
8:30 – 9:00 a.m.	Sign-in, breakfast, networking		
9:00 – 9:10 a.m.	Welcome	» Michelle Hsiang, UCSF » Phil Rosenthal, UCSF	
9:10 – 9:20 a.m.	Symposium keynote address	» Fredros Okumu, University of Glasgow / Ifakara Health Institute, Tanzania	» Allison Tatarsky, UCSF
9:20 – 9:30 a.m.	Overview of Bay Area malaria and vector-borne disease research and training	» Grant Dorsey, UCSF » Eddie Thomsen, UCSF	
9:30 – 10:20 a.m.	Round 1 research talks Including 15 min panel Q&A	See p3	» Neil Lobo, UCSF / University of Notre Dame » Isabel Rodriguez-Barraquer, UCSF
10:20 – 10:35 a.m.	Film screening and coffee break	» Michael Steinberg, Chevron	» Allison Tatarsky, UCSF
10:35 – 11:45 a.m.	Round 2 research talks Including 15 min panel Q&A	See p4	» Caryn Bern, UCSF » Melissa Conrad, UCSF » Bryan Greenhouse, UCSF

11:45 a.m.– 12:15 p.m.	Networking activity		» Jessica Briggs, UCSF » Jennifer Smith, UCSF
12:15 – 12:45 p.m.	Lunch		
12:45 – 2:00 p.m.	Round 3 research talks Including 15 min panel Q&A	See p5	» Fran Aweeka, UCSF » Maggie Feeney, UCSF
2:00 – 2:30 p.m.	Panel discussion: private sector innovation and partnership	» Erika Flannery, Novartis » Justin McBeath, Innovative Vector Control Consortium » Linus Upson, Verily	» Ingrid Chen, UCSF

Launch and Reception

Time	Topic	Presenter/ panelists	Moderator
2:30 – 2:45 p.m.	Coffee and Networking		
2:45 – 2:50 p.m.	Launch Kickoff	» Allison Tatarsky, UCSF	
2:50 – 2:55 p.m.	Remarks from IGHS Executive Director	» Payam Nahid, UCSF (recorded)	
2:55 – 3:00 p.m.	Remarks on behalf of the Chief, Division of HIV, Infectious Diseases, and Global Medicine	» Phil Rosenthal, UCSF	
3:00 – 3:15 p.m.	Launch keynote address	» Catherine Maiteki-Sebuguzi, Uganda Ministry of Health	» Grant Dorsey, UCSF
3:15 – 3:45 p.m.	Panel discussion: malaria and VBD research and training to combat future threats and accelerate disease elimination	» Joe Derisi, UCSF » Bryan Greenhouse, UCSF » Eva Harris, UC Berkeley » Adam Renslo, UCSF » Allison Tatarsky, UCSF	» Paul Wesson, UCSF
3:45 – 4:30 p.m.	Reception, networking, and demonstration tables: » Vectors and Vector Control » Octopi 2.0 Remoscope	» Bay Area Mosquito Abatement Districts » Malaria Elimination Initiative » Prakash Lab » Chan Zuckerberg Biohub	

Research Symposium Presenters and Panelists for Round 1

Themes and moderators	Presenter	Institution	Group affiliation	Talk title
Themes » Vectors » Vector control Moderators » Neil Lobo » Isabel Rodriguez-Barraquer	Amna Tariq	Stanford University	LaBeaud Lab	Ongoing dengue virus and malaria transmission in Kenya
	Max McClure	UCSF	EPPIcenter	Disentangling the roles of different vector species during a malaria resurgence in Eastern Uganda
	Paul Krezanoski	UCSF	PRISM	Characterizing human and vector interaction to enhance the impact of malaria control interventions in Uganda: the HAVI study
	Eddie Thomsen	UCSF	Malaria Elimination Initiative	Strengthening blackfly surveillance for onchocerciasis endgame decision-making
	Prateek Verma	UC Berkeley	Marshall Lab	Gene drive control of malaria vectors: Evolutionary modeling and diagnostic test development
	Shuyi Yang	UC Berkeley	Marshall Lab	Spatial close-kin mark-recapture methods to estimate dispersal parameters and barrier strength for mosquitoes
	Ingrid Chen	UCSF	Malaria Elimination Initiative	Volatile Pyrethroids Against Mosquitoes (VPRAM): a systematic review and meta-analysis

Research Symposium Presenters and Panelists for Round 2

Themes and moderators	Presenter	Institution	Group affiliation	Talk title
Themes » Diagnostics » Molecular surveillance » Drug resistance Moderators » Caryn Bern » Melissa Conrad » Bryan Greenhouse	Manu Prakash	Stanford University	Prakash Lab	Octopi 2.0: Point-of-care multi-disease detection and diagnosis via edge AI imaging platform
	Paul Lebel	Chan Zuckerberg Biohub	Chan Zuckerberg Biohub	Remoscope: a label-free blood diagnostic platform
	Jeffrey Whitman	UCSF	Whitman Lab	Improving Chagas disease diagnostics
	Sylvia Jebiwott	UCSF	Malaria Elimination Initiative	CHILD (Child Health and Infection with Low Density Malaria) trial preliminary results
	Cristina Tato	Chan Zuckerberg Biohub	Chan Zuckerberg Biohub	From populations to patients: Using metagenomics to discern vector-borne pathogens
	Nicholas Hathaway	UCSF	EPPIcenter	Parasite genetic data have enormous potential...but how do we get the information we need from a chaotic information landscape?
	Mayland Treat	UCSF	Rosenthal Lab	Evolution of antimalarial drug resistance markers over 25 years in Uganda
	Jessica Briggs	UCSF	EPPIcenter	Distinguishing reinfection from treatment failure in a Ugandan cohort to estimate the real-world effectiveness of arteether-lumefantrine
	Bersabeh Tafesse	UCSF	Rosenthal Lab	A genome-wide scan for signatures of selection in Ugandan malaria parasites in the setting of emergence and spread of drug resistance
	Jacqueline Ly	UCSF	Rosenthal Lab	Susceptibility to ganaplacide of gene-edited *P. falciparum* isolates

Research Symposium Presenters and Panelists for Round 3

Themes and moderators	Presenter	Institution	Group affiliation	Talk title
Themes » Antimalarial drugs » Chemoprevention » Immunology » Malaria in pregnancy and placental malaria Moderators » Fran Aweeka » Maggie Feeny	Liusheng Huang	UCSF	DRU	Antimalarial drug analysis with microvolume samples
	Gloire Mbaka	UCSF	Malaria Elimination Initiative	Serological evaluation of the impact of mass drug administration with dihydroartemisinin-piperaquine and primaquine on transmission: results from a secondary analysis of cluster randomized trial in Senegal
	Jade Benjamin-Chung	Stanford	Benjamin-Chung Lab / Malaria Elimination Initiative	Mapping local effectiveness of mass drug administration for malaria in Senegal
	Jared Honeycutt	UCSF	EPPIcenter	Profiling antibody responses to natural malaria exposures
	Muhammed Abdelbasset	Stanford University	Jagannathan Lab	Immune responses to cytokine and TLR stimulation in CBMC and PBMC: Insights into protection from malaria
	Pras Jagannathan	Stanford University	Jagannathan Lab	Modifying immunity in children with dihydroartemisin-piperaquine (MIC-DroP) —preliminary results from a phase 3, double blind, randomized controlled trial
	Florian Bach	Stanford University	Jagannathan Lab	Monthly chemoprevention impacts infant immune development
	Stephanie Gaw	UCSF	Gaw Lab	Maternal and fetal macrophage responses to placental malaria
	Savannah Lewis	Stanford University	Jagannathan Lab	Gravidity-dependent protection against malaria in pregnancy is associated with enhanced natural killer cell-mediated antibody-dependent cellular cytotoxicity
	Anna Nguyen	Stanford University	Benjamin Chung Lab	Pathways through which intermittent preventive treatment for malaria during pregnancy with dihydroartemisinin-piperaquine, sulfadoxine-pyrimethamine, and their combination affect infant growth