

UNIT: CHIKUNGUNYA

LESSON 4: GATHERING EVIDENCE AGAINST CHIKV

Activity 4A: Emergency Bulletin! Fighting CHIKV Starts with Me!



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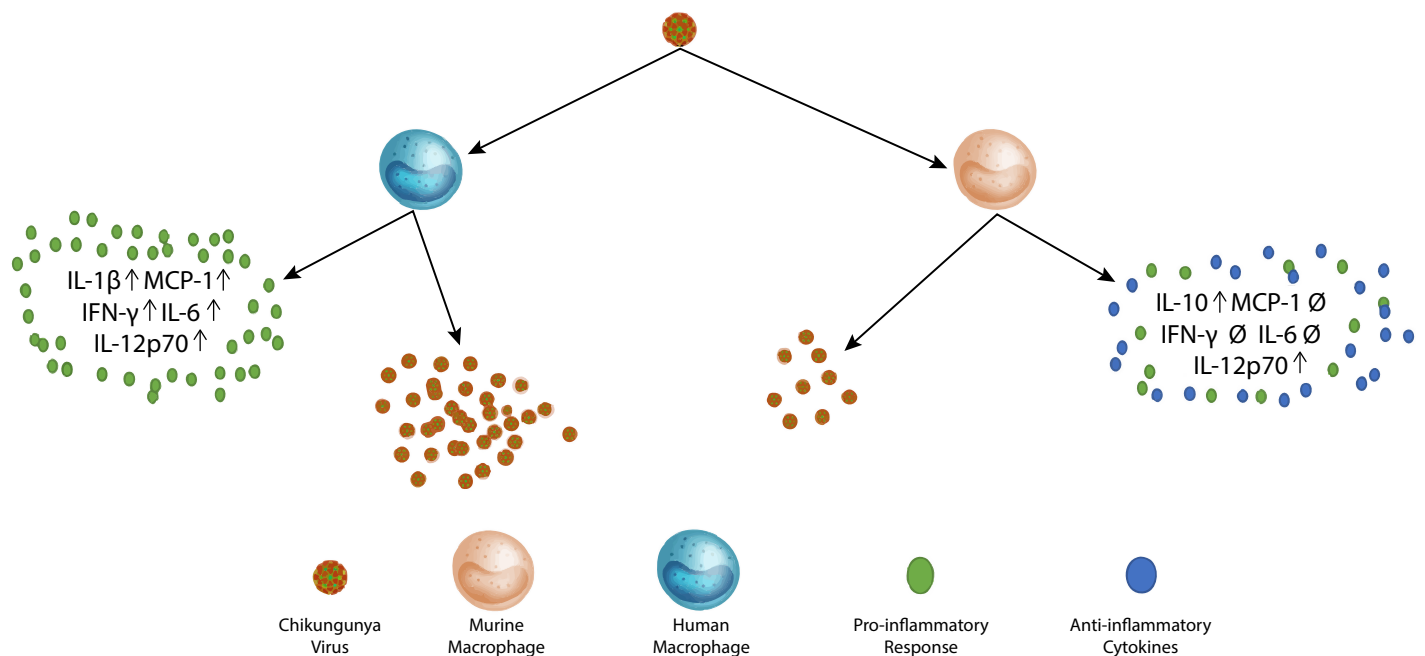


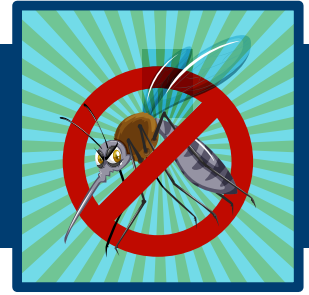
Figure 5: Graphic summary of CHIKV infection in human macrophages and murine macrophages. CHIKV infection in humans induces a higher pro-inflammatory response whereas CHIKV infection in murine models induces more anti-inflammatory responses.

1. What conclusions can be drawn from Figure 5 about the different immune responses of human and murine macrophages?

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2. Based on your conclusion of Figure 5, develop a recommended plan of action for your community from the perspective of your profession. State your profession at the start of your response. Your recommendation plan should align with your professional expertise. Diagrams, graphic organizers, and illustrations may prove helpful to your recommendations. HINT: Claim, Evidence, and Reasoning (CER) is a recommended approach to support your recommended plan.

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- Rank the professions in order from greatest to least impact in advancing the next stage of Chikungunya virus research. Include a rationale for each profession as you rank them in order of importance.

Word Bank: Epidemiologist, Physician, Community Health Advocate, Environmental Virologist, Immunologist

Rank	Profession	Rationale