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<th>Key Mechanism Elements</th>
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| Career Development Award     | Principal Investigator (PI): Early-career research scientist or physician scientist within 10 years of completing terminal degree (excluding time in residency or on family medical leave) at the time of submission, working to become independent investigators who exhibit a strong desire to pursue careers in tick-borne disease research; time spend at a postdoctoral fellow is not excluded. Mentor: Independent investigators at or above the level of Associate Professor (or equivalent); must have a proven funding and publication record in tick-borne disease research. *The PI and Mentor do not need to be located within the same organization.* | • To fund early-career investigators to conduct impactful research under the mentorship of an experienced tick-borne disease researcher.  
• *Career Development Plan is required.* Plan should be prepared with appropriate guidance from the Mentor, should clearly articulate a strategy for acquiring the necessary skills, competence, and expertise to establish a career at the forefront of tick-borne disease research, and should outline how the PI will gain experience in tick-borne disease research.  
• Preliminary data are not required; however, logical reasoning and a sound scientific rationale for the proposed research must be demonstrated.  
• Clinical trials are not allowed. | • Maximum funding of $250K for direct costs (plus indirect costs).  
• Maximum period of performance is 3 years. | Pre-Application (Letter of Intent):  
May 22, 2019  
5:00 p.m. Eastern Time (ET)  
Application:  
August 22, 2019  
11:59 p.m. ET |
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| Idea Award      | Independent investigators at or above the level of Assistant Professor (or equivalent) | • To fund **conceptually innovative**, high-risk/potentially high-reward research in the early stages of development that could lead to critical discoveries or major advancements that will accelerate progress in improving outcomes for individuals affected by Lyme disease and/or other tick-borne illnesses.  
• Applications should articulate the qualities that make the research **innovative** (not merely an incremental advance), as well the potential impact of the research on reducing the **public health burden** of the disease being addressed.  
• Preliminary data that are relevant to the proposed research project are encouraged, but not required.  
• **Clinical trials are not allowed.** | • Maximum funding of **$300K** for direct costs (plus indirect costs).  
• Maximum period of performance is **2** years. | **Pre-Application (Preproposal):**  
May 22, 2019  
5:00 p.m. ET  
**Preproposal is required; application submission is by invitation only.**  
**Application:**  
August 22, 2019  
11:59 p.m. ET |
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| Investigator-Initiated Research Award  | Independent investigators at or above the level of Assistant Professor (or equivalent) | • To fund highly rigorous, high-impact studies that have the potential to make important contributions to Lyme disease and/or other tick-borne diseases research, patient care, and/or quality of life.  
• Applications should articulate both the short and long-term impact of the proposed research, including the potential impact of the research on reducing the public health burden of the disease being addressed.  
• Preliminary or published data to support feasibility are required.  
• Promotes any phase of research from basic through translational, including preclinical studies in animal models or human subjects, as well as correlative studies associated with an existing clinical trial to establish proof-of-principle for further development in future studies; however, clinical trials are not allowed. | • Maximum funding of $650K for direct costs (plus indirect costs).  
• Maximum period of performance is 3 years. | Pre-Application (Preproposal):  
May 22, 2019 5:00 p.m. ET  
Preproposal is required; application submission is by invitation only.  
Application:  
August 22, 2019 11:59 p.m. ET |