Dear Chairman Shelby and Ranking Member Durbin:

As you prepare Fiscal Year 2021 (FY21) appropriations, we are requesting $12 million to support the Department of Defense’s Tick-Borne Disease Research Program (TBDRP), a Congressionally Directed Medical Research Program (CDMRP). The TBDRP was established in FY16 to support innovative and impactful research that addresses fundamental issues and knowledge gaps related to tick-borne diseases, including biological mechanisms (e.g., pathogenesis), prevention strategies, diagnostic tools, and tailored treatments. From FY16 through FY19, Congress appropriated $5 million per year to TBDRP and in FY20, Congress increased TBDRP funding to $7 million. For FY21, we are requesting additional funding to be appropriated to TBDRP in order to expand its promising research portfolio to benefit U.S. Service members and the broader American public.

Tick-borne diseases are increasingly prevalent across the United States as tick ranges expand—another dispiriting result of climate change. Currently, there are at least 18 known infectious tick-borne pathogens, with 20 conditions and 13 illnesses resulting from tick bites. An especially at-risk population is military forces and their dependents. With approximately 75% of all US military installations located in states where 99% of the tick-borne disease cases occur, exposure to ticks and the diseases they carry is high. Tick-borne diseases are a threat to U.S. national security, military readiness, and the health and wellness of Service members and their families.

In its 2018 Report to Congress, the Tick-Borne Disease Working Group recommended that the Department of Defense (DoD) “Commence study of tick-borne disease incidence and prevalence of active duty Servicemembers and their dependents. Compile data on the impact of tick-borne diseases on military readiness. Create education and preparedness programs that specifically address the unique risks faced by Servicemembers in training and on deployment and by their families.” The DoD has begun to do the needful. With its Tick-Borne Disease Research Program, DoD supports research to address tick-borne disease issues and knowledge gaps to inform military education, preparedness, and readiness. Yet with only $5-$7 million...
appropriated each year, TBDRP’s research mandate remains underfunded. According to data from TBDRP’s grant application peer review process, highly rated research proposals totaling approximately $4 million/year are unfunded due to TBDRP’s limited financial resources.5

With $12 million in FY21 appropriations, TBDRP will be positioned to support even more promising research to address Lyme disease, Powassan, Spotted Fever, and more. Additional funding would allow for more research like that of Dr. Chiu’s of the University of California, San Francisco (UCSF). Dr. Chiu was the recipient of an FY16 TBDRP research award to improve tools for the diagnosis of early Lyme disease and early tick-borne infections.6 Accurate tests to diagnose early infection are imperative for effective treatment and improved patient outcomes. Current tests perform poorly at identifying early onset of Lyme and other tick-borne diseases, which can result in delayed or inappropriate treatment.7,8 Dr. Chiu’s newly developed assays are proving promising for early detection; his approach to diagnosing Powassan virus has already been put into use at UCSF and similar tests are expected to be launched later this year.9 When TBDRP has additional resources, more high quality research like that of Dr. Chiu’s will be funded, which will lead to necessary advances in tick-borne disease knowledge and response.

We appreciate your ongoing commitment to combating tick-borne diseases through the CDMRP. Moreover, we appreciate your consideration of our request to increase funding to CDMRP for expanding the necessary work of the Tick-Borne Disease Research Program.

Sincerely,

Data collected via internal communication with TBDRP leadership.


