



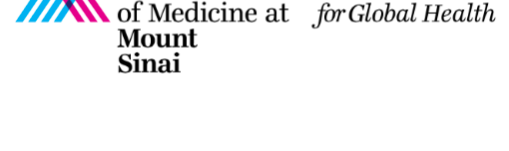
Bay Area Lyme is a national organization committed to making Lyme disease easy to diagnose and simple to cure. Based in the Silicon Valley, Bay Area Lyme Foundation collaborates with world-class scientists and institutions to accelerate medical breakthroughs for Lyme disease. It is also dedicated to providing reliable, fact-based information so that prevention and the importance of early treatment are common knowledge. A pivotal donation from The Laurel STEM Fund covers all overhead costs and allows for 100% of all donor contributions to Bay Area Lyme Foundation to go directly to research and prevention programs.



The N-of-1 Project is building a new platform to help you leverage your health data in more powerful ways. Known as an N-of-1 study, this approach allows you to compare different interventions – say, melatonin or meditation to improve sleep – in a statistically rigorous way. You can find out what works best for you, which may be completely different from what works best for someone else.



The Smart Mirror transforms a everyday human tool into a new digital multi-purpose device, tracking your own health status to validate workout quality and more.



ATLAS-Lyme is a digital platform that easily gives access to heterogeneous data such as the climate: precipitation, vegetation index, temperature, vapor pressure deficit; and tick surveillance: active and passive, and reported Lyme Disease cases throughout the year. The user can seek a single endpoint to obtain data already standardized to accelerate the next step of the analysis.



Lyme Connection represents patients, family members, practitioners, researchers and community members committed to ending the suffering caused by tick-borne diseases. We educate the community about prevention and early diagnosis and support patients. Our goal is to connect patients with compassionate care, helpful resources and fellow patients. Based in Ridgefield, CT, the organization offers free support groups, educational seminars, and financial aid for medical care. The group's BLAST Tick-borne Disease Prevention Program visits schools, corporations, health fairs and community events teaching the most effective ways to avoid illness and, early symptom identification. Read more about Lyme Connection at LymeConnection.org and our prevention program at Blastlyme.org.



The Lyme Disease Biobank is a collection of human biological samples to facilitate research. We are collecting blood from individuals with suspected acute Lyme disease and unaffected individuals (controls). Since 2014, >550 participants have been enrolled at sites on the East Coast, Upper Midwest, and Bay Area California. Detailed clinical information and testing data are collected to better characterize the samples. Each participant's donation provides samples for ~50 research projects, with aliquots of whole blood (1 or 2 ml), serum (250 µl), and urine (1 ml). We are expanding our collection to include other presentations of Lyme disease and tissue.



LymeLight Foundation is a national nonprofit dedicated to providing grants to children and young adults with Lyme disease enabling them to receive proper treatment and medication as well as raising awareness about Lyme disease. LymeLight is the only foundation solely dedicated to raising significant funds directly for the treatment of Lyme disease. Since its inception in 2011, LymeLight has awarded grants totaling \$3.6 million to 600 individuals in 46 states. The grants are need based and LymeLight Foundation is currently only able to serve 60% of applicants. After receiving the grant funding, 80% of recipients report significant improvement.



The MIT Little Devices Lab explores the design, invention, and policy spaces for DIY health technologies around the world. We develop empowerment technologies for health. We believe that innovation and design happens at the frontline of healthcare where providers and patients can invent everyday technologies to improve outcomes. By radically democratizing the tools of medical creation, we seek to enable front line patients and providers to invent answers to disease burdens.



Nantucket Spider makes highly effective, deet-free bug repellent using essential oils. We know that ticks can be active even when it doesn't feel buggy outside. Extra Strength Tick Repellent has a unique blend of oils specifically designed to repel ticks. In independent lab tests, our Extra Strength Tick Spray was found highly effective, repelling over 92% of Deer Ticks. Our products are not greasy, smell great and contain no chemical emulsifiers. They can be applied safely to skin, clothing, hair and gear without damage or staining with our exclusive fine mist trigger spray top. For more information just contact us at nantucketspider@gmail.com.



The ODU Tick Research Team has been conducting an active tick surveillance project since 2009 under Holly Gaff and Wayne Hynes. We study everything about the ecology of ticks, including hosts, habitats, and seasonal patterns. We also investigate the genetics of locally-collected ticks and the pathogens they may carry. From this, we can determine the origins of newly invading ticks and ask questions about movement across the landscape. Our team includes students at all levels of study who gain hands-on research experience working with faculty members with expertise in mathematical modeling, ecology, micro- and molecular biology, and population genetics.



TickReport provides professional tick testing services to individuals, corporations, and public agencies. The lab offers testing for over twenty bacteria, parasites, and viruses known to be carried by ticks, and delivers results to individuals within three business days. It is part of the Laboratory of Medical Zoology, an academic research lab at the University of Massachusetts Amherst.



TickTracker is a global, free app developed by 13 yr old Olivia Goodreau who is the founder of the LivLyme Foundation. TickTracker allows you to track & report ticks in real time, using geo-location. TickTracker also educates you on what types of ticks are in your area, how to remove a tick and tick check correctly, and has many resources to help you and your family stay safe in the outdoors.



The Connecticut Veterinary Medical Diagnostic Laboratory (CVMDL) provides excellence in veterinary diagnostics and professional expertise supporting state and federal agencies to detect and monitor diseases affecting animal and human populations. CVMDL at the Department of Pathobiology and Veterinary Science, University of Connecticut, focuses on disease identification, investigation, and prevention while contributing to the education of graduate, undergraduate, and post-doctoral students. CVMDL is a fully accredited by the American Association of Veterinary Laboratory Diagnosticians (AAVLD) and member of the National Animal Health Laboratory Network (NAHLN, USDA) and the Veterinary Laboratory Investigation and Response Network (Vet-LIRN, FDA).



US BIOLOGIC "Delivers Disease Prevention" by combining One Health solutions with predictive analytics. These solutions can be of invaluable use to reduce disease such as pest-management professionals, public health officials, and veterinarians. Toward that end, we have developed an orally delivered Lyme vaccine targeting the main disease reservoir, the white-footed mouse. By inoculating these mice, the transmission of Lyme disease is disrupted in the wild. The vaccine is undergoing regulatory approval at this time and will be available for purchase for both homeowners and via public distribution programs.