

## **Kit Werley, Ph.D.**



Dr. Christopher “Kit” Werley is Director of Engineering Research at Q-State Biosciences and QuellTx in Cambridge, MA, where he develops instrumentation and assays leveraging all-optical electrophysiology for drug development. He completed his PhD research in the lab of Keith Nelson at MIT, where he developed complex optical systems for recording movies of waves propagating at the speed of light. Dr. Werley completed his postdoc in Adam Cohen’s lab at Harvard, where he developed new microscopy systems for large-area, high-speed fluorescence recordings and tools for simultaneous recordings from many fluorescent sensors in parallel. He moved to Q-State in 2015, where he has increased throughput of all-optical electrophysiology measurements for drug screening applications, developed assays of synaptic function, and developed pain-in-a-dish models.