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Ryan White is a NIH Postdoctoral Fellow in Prof. Kevin Plaxco's lab at the University of California, Santa Barbara. His research focus encompasses studies of the biophysics of DNA on various surfaces and the exploration of such in the development of biosensors, adaptable surfaces, and gated transport. Specifically, Dr. White's research has focuses on the development of electrochemical aptamer-based sensors and their analytical applications with a focus on the detection of small-molecule analytes. Prior to joining UCSB, Dr. White received his Ph.D. from the University of Utah under the advisement of Prof. Henry White. His thesis research focused on the development of glass nanopore membranes and nanopore electrodes for use as in single molecule detection and single ion channel measurements.