

Luke Short: The Biomonitoring and Analytical Chemistry Unit (BACU) within the Public Health Laboratory (PHL) Division of the Washington, DC Department of Forensic Sciences (DFS) functions as the public health laboratory within the DC area to monitor the exposure of DC visitors and residents to toxic chemicals and other substances. The BACU operates the DC Laboratory Response Network - Chemical (LRN-C) biomonitoring laboratory under guidance of the Centers for Disease Control and Prevention (CDC). The facility has several platforms capable of chemical, elemental and metabolite analysis. In addition to public health concerns, the PHL operates within DC's Consolidated Forensics Laboratory, bringing together the Divisions of Forensic Science Laboratory, Crime Scene Sciences, and the Office of the Chief Medical Examiner.

The Unit Manager of the BACU is Dr. Luke Short, an experienced Analytical Chemist with over a decade of experience in developing analytical systems for the detection, analysis and monitoring of chemical, biological, radiological and explosive (CBRNE) substances. Dr. Short has degrees in biology and chemistry from the University of California, Irvine, where he performed international research in developing environmental and medical monitoring systems in Germany as a Fulbright Scholar. Dr. Short has received formal training in forensic techniques and methods for normal and hazardous material, including certification as an internal assessor for ISO-17025 standards for forensic laboratory testing. **
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