



Practical Aspects of Applying Massively Parallel Sequencing to Forensic DNA Analysis

International Forensic Research Institute

**A Presentation by Brian Young, Ph.D.,
Research Scientist, NicheVision Forensics**



Brian Young has more than 30 years experience in biological and chemical research and is a pioneer in the application of Massively Parallel Sequencing (MPS) technology to forensic DNA analysis. In 2010, he established the Investigative Genetics Group at Battelle Memorial Institute where he lead the team that developed an early alignment-based STR genotyping method, and a method based on wavelet decomposition signal processing.

Young is the primary inventor of algorithms that apply precepts of analytical chemistry to DNA sequence analysis and which later were commercialized in the non-alignment ExactIDTM genotyper software. He is the author of 4 patent applications covering methods for processing FASTQ data files to type STR, SNP, microhap markers and mtDNA control regions. Young's current interests at NicheVision include applying MPS data for mixed DNA analysis and probabilistic genotyping. He received a BS in Plant Pathology from The Ohio State University, MS in Plant Pathology from Texas A&M University, and Ph.D. in Genetics from The Ohio State University.

**Wednesday,
Sept. 14, 2016**
3 p.m.

SIPA - 100

*This event is free
and open to the public.*

International Forensic Research Institute

Modesto A. Maidique Campus | 11200 SW 8th St., OE-116
Miami, FL 33199 | ifri.fiu.edu

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