

DNA

FORENSIC WORKSHOP

12 JUNE 2023 | FSL PLATTEKLOOF | CAPE TOWN

Thank you for joining our Forensic DNA Workshop, led by esteemed forensic expert Prof. Bruce Budowle

AGENDA

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| 08h00 – 08h30 | Registration - Tea / Coffee |
| 08h30 – 08h45 | Welcome Address |
| 08h45 – 10h30 | Enhancing Capabilities to Interpret Mixture Evidence |
| 10h30 – 10h45 | Break - Tea / Coffee |
| 10h45 – 12h00 | Different Database Strategies to Develop Investigative Leads and Cost Benefits Associated with these Approaches |
| 12h00 – 13h30 | Kinship Statistical Analyses |
| 13h30 – 14h00 | Break - Light Lunch |
| 14h00 – 14h45 | X-STRs as an Alternative DNA Profiling Target Research presented by Amy Whittaker |
| 14h45 – 15h30 | Ethics and Bias – are they real issues? |
| 15h30 – 16h00 | Questions and Discussions |



ABOUT PROF. BRUCE BUDOWLE

Dr. Bruce Budowle received a PhD in Genetics in 1979 from Virginia Polytechnic Institute and State University. From 1979-1982, Dr. Budowle was a postdoctoral fellow at the University of Alabama at Birmingham. Working under a National Cancer Institute fellowship, he carried out research predominately on genetic risk factors for diseases such as insulin dependent diabetes mellitus, melanoma, and acute lymphocytic leukemia. From 1983-2009, Dr. Budowle worked at the FBI's Laboratory Division to carry out research, development, and validation of methods for forensic biological analyses. He has published more than 700 articles, made more than 800 presentations, and testified in well over 300 criminal cases in the areas of molecular biology, population genetics, statistics, quality assurance, and forensic biology. In addition, he has authored or co-authored books on molecular biology techniques, electrophoresis, protein detection, forensic genetics, and microbial forensics. Dr. Budowle recently retired as Director of the Center for Human Identification and Regents Professor at the University of North Texas Health Science Center at Fort Worth, Texas where his efforts focused on the areas of human forensic identification, microbial forensics, and emerging infectious disease with substantial emphasis in genomics and next generation sequencing. He continues to research and work in the areas of forensic genomics and contributes to supporting humanitarian efforts via human identification. He currently is a visiting professor in the Department of Forensic Medicine at the University of Helsinki and an adjunct professor in the Forensic Science Institute at Radford University.



ABOUT AMY WHITTAKER

Amy Whittaker is currently a PhD student in the Division of Forensic Medicine and Toxicology at the University of Cape Town, South Africa. She obtained her BSc in Human Life Sciences from the University of Stellenbosch, followed by her BSc (Med) Honours in Forensic Genetics and her MPhil in Biomedical Forensic Sciences from the University of Cape Town. Her research has focused primarily on the generation of X-STR population data for the South African population for forensic purposes.

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