















McCord

Florida University







Dolph

Marshall U./ NIST

miniSTRs

AFDIL

mixtures

Forensic Science International: Genetics

http://www.fsigenetics.com/



Editor-in-Chief: Angel Carracedo (Spain) Associate Editors: Peter M. Schneider (Germany) John M. Butler (USA)

FSI: Genetics is a new journal dedicated exclusively to the field of forensic genetics. It has been launched in 2007 by Elsevier Publishers in affiliation with the International Society of Forensic Genetics. All members of the ISFG receive a free subscription of this journal (print and online version) as part of their membership benefits.

Primary Sources for Material Covered in this Workshop

- Butler, J.M., Buel, E., Crivellente, F., and McCord, B.R. (2004) Forensic DNA typing by capillary electrophoresis using the ABI Prism 310 and 3100 genetic analyzers for STR analysis. *Electrophoresis* 25: 1397-1412
- Butler, J.M. (2006) Genetics and genomics of core STR loci used in human identity testing. *J. Forensic Sci.* 51(2): 253-265
- McCord, B. (2003) Troubleshooting capillary electrophoresis systems. *Profiles in DNA* 6(2): 10-12 (Promega Corporation); available at http://www.promega.com/profiles/602/ProfilesInDNA_602_10.pdf
- Butler, J.M. (2005) Forensic DNA Typing, 2nd Edition: Biology, Technology, and Genetics of STR Markers. Elsevier Science/Academic Press
- NIST STRBase website: http://www.cstl.nist.gov/biotech/strbase/

These workshop materials will be made available at http://www.cstl.nist.gov/biotech/strbase/training.htm

Outline for Workshop

Day 1

- · STRs and Artifacts
- miniSTRs
- · CE Troubleshooting

LUNCH

Dawn Herkenham (Legal Issues)

Day 2

- Mixture Interpretation
- · Mixture Examples

LUNCH

- Mixture Stats
- Interlab Studies
- · Company presentations

My Goal is to Answer YOUR Questions - So Please Ask Them..

Understanding the Audience Here

- · Where is everyone from?
 - State lab?
 - Local lab?
 - Private lab?
- Experience level?
 - Less than 1 year?
 - 1-3 years?
 - >3 years?

- STR kits in use?
 - Profiler Plus/COfiler
 - Identifiler - PowerPlex 16
 - Y-STRs?
- · Instrumentation is use?
- ABI 3100/3130xl - Other?
- Software in use? - GeneScan/Genotyper
 - GeneMapperID
 - Other?

NIST and NIJ Disclaimer

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Our publications and presentations are made available at: http://www.cstl.nist.gov/biotech/strbase/NISTpub.htm