



Mission:

- (1) to recommend revisions, as necessary, to the *Quality*Assurance Standards for Forensic DNA Testing
 Laboratories and the *Quality Assurance Standards for DNA*Databasing Laboratories;
- (2) to serve as a forum to discuss, share, and evaluate forensic biology methods, protocols, training, and research to enhance forensic biology services; and
- (3) to recommend and conduct research to develop and/or validate forensic biology methods.

NUMBER OF SWITTE



Membership

- Members are predominately technical leaders from state and federal crime labs
 - 3 year terms
 - Appointed by Chair
 - 17 regular members
 - 28 invited guests (4 international)
- Chair: Ted Staples (appointed by FBI director)
- Vice Chair: Heather Seubert FBI (appointed by chair)
 Executive Board: Angelo Della Manna, Phil Kinsey, Ken
- Konzak, Margaret Schwartz, Taylor Scott
- Executive Secretary: Dawn Herkenham (appointed by chair)

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Standing Committees

- CODIS: Doug Hares
- LT DNA (new name): Rich Guerrieri (acting)
- Mass Spectrometry: Les McCurdy
- Mito: Alice Isenberg
- Missing Persons & Mass Disaster: John Planz
- Mixture Interpretation: John Butler
- May create Ad Hoc committees as needed from request of FBI director

STREET, STREET, STREET,



COMMITTEE REPORTS JANUARY 2010

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Tasks/objectives accomplished:

- Discussions of composite profiles and how they relate to NDIS
- Discussions of expanding the core CODIS loci in the future

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 Enhanced Detection Methods and Interpretation Committee

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Ad Hoc Group (Jan 2009-Jan 2010)

- Alice Isenberg (Chair)
- John Butler
- Theresa Caragine
- Art Eisenberg
- Doug HaresBrian Hoey
- Tamyra Moretti
- Eric Pokorak
- Rich Guerrieri
- Gary Sims

SWGDAM Committee (Est. Jan 2010)

- Rich Guerrieri (Acting Chair)
- Juls Bickmore
- Todd Bille
- Martin Fairley
- Brian Hoey
- Kristine Kadash
- Eugene Lien
- Tamyra Moretti
- · Amy McGuckian

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- · Decide on terminology
- Recommend Committee goals
- Review (modify?) NDIS Procedures LCN definition for clarification purposes
- Strategize NDIS applicability recommendations
- Homework:
 - Lit review
 - Status review (US, UK)
 - Identify additional experts?
 - Refine approach for accomplishing goals

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Mass Spec mtDNA

- Discussion regarding primer synthesis quality
- Several audits against 2009 doc
- · mtDNA mixture analysis
 - Single locus
- · No pending issues

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MP Mass Disaster

• Minifiler accepted at NDIS.

Task at hand:

- Request to provide training for Missing Persons related topics for the CODIS 6.0/7.0 transition.
 - meet with 6.0 user group in July 2010
 - conduct training at National CODIS Conference Nov 2010

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MP Mass Disaster

Areas to Address

- Laboratory's obligations following sample entry
- Revisit business pathways following a generated MP association report in CODIS
- How to interpret association reports
- · JPLR and reporting statistics
- Auxiliary data, asking for more resources

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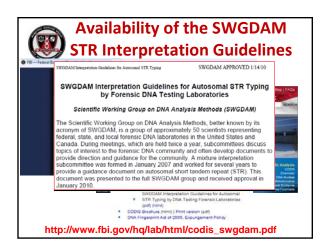
- Completed STR interpretation guidelines based on feedback from entire SWGDAM group
- Collect and publish case summary analysis
 - conducted in 2007-2008 to see how many and what type of mixtures are being observed in crime labs
- Prepare training materials to aid mixture interpretation

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- Made final revisions to STR interpretation guidelines using comments received from January 12, 2010 full SWGDAM discussion
- STR Interpretation Guidelines APPROVED!
- Discussed future directions for the committee

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- Mixture case summary data and publication
- Training materials web-based?
- Decision tree/flowcharts to aid mixture interp
- Software solutions (including freeware)
- Validation assistance
 - Experimental design for setting thresholds, etc.
- Y-STR mixtures & software under development

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- Gather training materials and examples to illustrate the principles described in the STR interpretation guidelines
 - Promega Oct 2010 meeting workshop
 - Web-based training (possibly with NIJ support)
- Guidelines for Y-STR mixtures?

NICES INVESTIGATE SERVICE



Contact information:

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QUESTIONS?

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