





Validation Workshop

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National Institute of Standards and Technology (NIST)




Presentation Outline

[Introductions: Presenters and Participants](#)

Day #1

- Validation Overview (John)
- Introduction to DAB Standards (Robyn & John)
- Developmental Validation (John)

Day #2

- Inconsistency in Validation between Labs (John)
- Internal Validation (Robyn)
- Method Modifications and Performance Checks (Robyn)

Day #3

- Practical Exercises (Robyn)

Robyn Ragsdale

- PhD from University of South Florida 1990
- Postdoc at USF College of Medicine in Biochemistry and Molecular Biology
- Diagnostic Molecular Biologist at Tampa General Hospital
- Case working analyst at FDLE since 1995
- FDLE Technical Leader since 2001
- Member of SWGDAM since 2001
- Co-vice chair of SWGDAM Quality Assurance Subcommittee
- Led validation efforts with STR typing kits, ABI 3100, GMID
- Married with two children

John Butler

- PhD (**Analytical Chemistry**) from University of Virginia (Aug 1995)
- Research conducted at FBI Academy under Bruce McCord doing CE for STR typing
- NIST Postdoc – developed STRBase website
- GeneTrace Systems – private sector experience
- NIST Human Identity Project Leader since 1999
- Invited guest to SWGDAM since 2000
- Member of SWGDAM Validation Subcommittee
- Author of *Forensic DNA Typing: Biology, Technology, and Genetics of STR Markers* (2nd Edition)
- Married with 5 (soon to be 6) children

Participants' Background

- [Name, lab, # years experience with DNA](#)
- What is your previous experience with validation?
- What, if any, DNA typing methods have you validated?
- What do you hope to get out of this workshop?

Validation Workshop Participants

| | Name | Lab | Years of DNA Experience |
|----|------------------|---|-------------------------|
| 1 | Terry Coons | Oregon State Police | 15 |
| 2 | Jonathan Drobac | Phoenix Crime Lab | 0.3 |
| 3 | Andrea Gemson | Tucson Crime Lab | 2.5 |
| 4 | George Hou | Los Angeles County Sheriff's Department | 3 |
| 5 | Sharon Mallard | Rhode Island Health Lab | 3 |
| 6 | Ruth Montgomery | Missouri State Crime Lab | 3 |
| 7 | Gina Musante | PA State Police (Bethlehem) | 5.5 |
| 8 | Leslie Nixon | FDLE (Tampa) | 7 |
| 9 | Michael Schmit | Iowa DCI Criminalistics Lab | 7 |
| 10 | Kandy Smith | South Dakota Forensic Lab | 4 |
| 11 | Kristen Sullivan | MA State Police Crime Lab | 5 |