



Idaho State Police

Service Since 1939



Colonel Ralph W. Powell
Director

C.L. "Butch" Otter
Governor

CYNDI HALL

Quality Manager/Laboratory Improvement Manager
Idaho State Police Forensic Services
700 S. Stratford Dr. Ste. 125, Meridian, ID 83642-6202
Phone – (208) 884-7170, Fax – (208) 884-7197

Education:

University of California; San Diego
Bachelor of Science – Chemistry/Biochemistry

San Jose State University
Master of Science - Biological Sciences (Molecular Genetics)

Experience:

7/2014-Present	Idaho State Police Forensic Services Quality Manager/Laboratory Improvement Manager
2/2003-7/2014	Idaho State Police Forensic Services Forensic Scientist IV (Biology Supervisor/DNA Technical Lead)
6/2001-2/2003	Idaho State Police Forensic Services Forensic Scientist III (Biology/DNA)
7/1999-6/2001	Santa Clara County District Attorney's Crime Laboratory Supervising Criminalist (Biology/DNA)
12/1998-7/1999	Santa Clara County District Attorney's Crime Laboratory Criminalist III (Biology/DNA)
6/1995-12/1998	Santa Clara County District Attorney's Crime Laboratory Criminalist II (Biology/DNA)
6/1994-6/1995	California Department of Justice, DNA Laboratory Laboratory Technician/DNA Analyst
3/1993-3/1994	San Diego Police Department Crime Laboratory Criminalist Intern (Biology)

700 South Stratford Drive • Meridian, Idaho 83642-6251

EQUAL OPPORTUNITY EMPLOYER

Revised 5/13/15

Cyndi Hall

Certifications:

2007 American Board of Criminalistics; Molecular Biology Fellow

Professional Organizations; Committees; Working Groups:

2014-present American Society of Crime Laboratory Directors – Member

2014-present Association of Forensic Quality Assurance Managers - Member

2012 – present International Society for Forensic Genetics (ISFG) – Member

2012 - present FBI Quality Assurance Audit Review Committee – Reviewer

2009 – 2011 CODIS 7.0 User Acceptance Testing (FBI) – Working Group Member

2000 – present American Society of Crime Laboratory Directors Laboratory Accreditation Board (ASCLD/LAB) – Legacy/International Assessor

2000 – 2002 Association for Crime Scene Reconstruction (ACSR) - Member

1999 - 2001 California Association of Crime Lab Directors (CACLD) - Member

1995 - present American Academy of Forensic Sciences (AAFS) – Member

1995 – 2003 California Association of Criminalists (CAC) – Member

Testimony:

State Courts – Idaho and California (biological screening and DNA analysis)

Federal Courts – District of Idaho (biological screening and DNA analysis)

Continuing Education; Association Meetings; Conferences:

2015 American Academy of Forensic Sciences Conference: DNA and general Criminalistics
American Society of Crime Laboratory Directors Symposium: Quality and Management

2014 DNA Mixture Interpretation and Software Evaluation Workshop
NIST Webcast: Validation Concepts
25th International Symposium on Human Identification: DNA

2013 Sorenson Workshop: Y-STRs
American Academy of Forensic Sciences Conference: DNA and general Criminalistics
NIST Workshop/Webcast: DNA Mixture Interpretation
DNA Technical Leader Summit (NIST)

2012 9th Annual Advanced DNA Technical Workshop (Bode) : DNA
Bode Workshop: Mixture Interpretation
Promega Workshop: Bringing Y-STRs into Your Lab
23rd International Symposium on Human Identification: DNA

2011 CODIS 7.0 Training – FBI
Green Mountain DNA Conference: DNA

Cyndi Hall

- 2010 Promega In-Service Training: Biomek 3000 Automation
- 2009 American Academy of Forensic Sciences Conference: DNA and general Criminalistics
Promega In Service Training: Biomek 3000, FSSI³, PowerPlex16 HS, Plexor
(Promega at ISP)
DNAView/Forensic Mathematics -Dr. Charles Brenner
Digital Crime Scene Photography – FBI
- 2008 Genetic Privacy & Familial Searching Symposium: DNA
ASCLD/LAB International Assessor Training – ASCLD/LAB
NFSTC/NIJ Workshop: Validation of an Expert System
Automation Training – Marshall University Forensic Science Center
- 2007 American Academy of Forensic Sciences Conference: DNA and general Criminalistics
Advanced DNA Training – Marshall University Forensic Science Center
Expert Systems for Single-Source Samples – Marshall University Forensic Science
Center and NIJ
Applied BioSystems In Service Training: ABI 7500 and 3130
Promega In-Service Training: Promega FSSI³ Expert System
- 2006 CODIS Training: FBI/SAIC
Applied BioSystems Webinar: Genemapper ID
Hair Examination for DNA Analysts – West Virginia University
DNA Auditor Training – FBI
Promega 17th International Symposium: DNA
- 2005 Missing Persons Clearinghouse Conference
- 2004 Crime Scene Survey, Documentation, & Diagramming – FBI
Northwest Association of Forensic Science Workshop: Hair Examination for DNA
Analysts
Northwest Association of Forensic Science Workshop: Bone Identification
Applied BioSystems In-Service Training: ABI Prism 7000
- 2003-present Bi-Annual CODIS State Administrator’s Meeting
Annual CODIS Conference
- 2003-2008: Annual NIJ conference: DNA
- 2003 American Academy of Forensic Sciences Conference: DNA & general Criminalistics
Bloodstain Pattern Analysis – Jeff Gurvis
Promega 14th International Symposium: DNA
Promega 14th International Symposium Workshop: Y-STRs
Promega 14th International Symposium Workshop: Popstats
Sirchie In-Service Training: Krimesite Imager
- 2001 DNA/CODIS User’s Forum
DNA/DAB Audit training - FBI
American Academy of Forensic Sciences Conference: DNA & general Criminalistics
California Association of Criminalists Conference: DNA

Cyndi Hall

- Promega 12th International Symposium: DNA
- 2000 ASCLD/LAB Inspector training – ASCLD/LAB
American Academy of Forensic Sciences Conference: DNA & general Criminalistics
California Association of Crime Lab Directors Conference (program chair):
Management
- 1999 CODIS Local training – FBI/SAIC
ISFH 18th International Congress: DNA
Crime Scene Reconstruction – Tom Bevel and Ross Garner
Applied Biosystems In-service training: DNA/STRs - ABI 377/310
- 1998 American Academy of Forensic Sciences Conference: DNA
Forensic Statistics – CA Criminalistics Institute
In-service Training Santa Clara County DA Crime Lab – Latent Fingerprint
Processing
- 1997 Training/Collaboration: STR Analysis and Instrumentation (ABD-HID)
Forensic Statistics on DNA Analysis – CA Criminalistics Institute
Short Tandem Repeat Analysis – CA Criminalistics Institute
- 1996 Introduction to Statistics – UC Berkeley
Courtroom Presentation of Evidence – CA Criminalistics Institute
California Association of Criminalists Conference (program co-chair): DNA & general
Criminalistics
California Association of Criminalists: Bullet Path Reconstruction Workshop
Santa Clara County Sheriff's and DA Crime Laboratory: Night Photography
Workshop
Promega 7th International Symposium: Statistics Workshop
- 1995 CA Department of Justice Workshop: DNA/D1S80
California Association of Criminalists Conference: DNA
Crime Scene Investigation I – CA Criminalistics Institute
Electrophoresis and Isoelectric Focusing – CA Criminalistics Institute
Promega 6th International Symposium: DNA
- 1994-2001 California Association of Criminalists Study Group Meetings: Biology/DNA
- 1994 In-service training CA Department of Justice: DNA/RFLP
Forensic Serology – CA Criminalistics Institute
Polymerase Chain Reaction – CA Criminalistics Institute
In-service training CA Department of Justice: DNA/PCR-DQ α
Forensic Sciences Overview – CA Criminalistics Institute
- 1993 In-service training San Diego Police Department: Serology
- Validations Completed:**
- 2014 FSS-i³™ Expert Systems Software
AeroScout® MobileView Temperature Verification System

Cyndi Hall

- 2012 ABI Prism® 3130xl Genetic Analyzer
PowerPlex® System Control DNA 2800M for DNA Database
Promega PowerPlex® 16 HS System for DNA Casework
Promega Plexor® HY System for DNA Casework
- 2011 Promega Plexor® HY System for DNA Database
Promega Identity Automation™ Methods of the Biomek® 3000
Biomek® 3000 Laboratory Automation Workstation
PowerPlex® System Control DNA 2800M for DNA Casework
Driftcon® FFC Temperature Verification System and Fixture Upgrade
- 2010 ABI Prism® 3130xl Genetic Analyzer Upgrade
- 2009 BSD600-Duet Semi-Automated Dried Sample Punch Instrument
Biomek® 3000 Laboratory Automation Workstation
Promega DNA IQ™
Promega PowerPlex® 16 HS System for DNA Database
Applied Biosystems® 7500
ABI Geneamp® 9700 Thermal Cycler
ABI Prism® 3130 Genetic Analyzer
Driftcon® FFC Temperature Verification System
- 2008 Qiagen BioRobot® EZ1
Qiagen® EZ1 Investigator Extraction Kit and Card
ABI Prism® 3130 Genetic Analyzer
ABI Geneamp® 9700 Thermal Cycler
GeneMapper ID® Version 3.2.1
Applied Biosystems® 7500
- 2006 Qiagen BioRobot® EZ1
Qiagen® Tissue Extraction Kit
Mideo Sperm Identification System
- 2005 ABI Prism® 7000
- 1998 AmpFlSTR® Profiler Plus and COfiler DNA amplification kits
ABI Prism® 310 Genetic Analyzer

Teaching; Presentations:

An Evaluation of PowerPlex Fusion – Presentation 6/18/13, 9/17/13, 9/22/13 (Promega Seminar at Bode, MAAFS, and NWAFS)

PowerPlex 16 HotStart and Identity Automation – Presentation 9/30/10 (Promega Webinar)

PowerPlex 16 Experiences: Casework and Validation – Presentation 8/19/09 (Promega Workshop, Los Angeles)

Biological Evidence, DNA and CODIS – Presentation 8/1/09 (visiting Mexican Attorney General Delegation)

Cyndi Hall

DNA, CODIS and Forensic Biology Services – Presentation (Idaho Prosecuting Attorney's Association Meeting 6/07)

Advanced Crime Scene Processing/Evidence Collection and Packaging/DNA, 4 hour classroom and crime scene practicals – Instructor, POST Crime Scene Investigator's Course (2005)
Crime Scene Processing/Biological Evidence Collection and Packaging, 2 hour classroom and 3 hour crime scene practical – Instructor, Idaho State Police Basic POST Academy (2002-2004)

Forensic Biology Services, Evidence collection and packaging, DNA, and CODIS – Training/workshops for law enforcement, judicial, and medical personnel – Idaho State Police (2001-present)

Effects Of Locus, Sequence, and Primers on Stutter Production During PCR Amplification of Tetranucleotide Short Tandem Repeat Loci. – Presentation (CAC Spring Seminar 5/01)

STR Data Interpretation – Presentation 10/1/98 (CAC Study Group Meeting)

STR Validation, Issues Involving the Use of Chelex and Kit Volume Reduction – Presentation (CAC Spring Seminar 10/98)

Validation and Casework Experiences at Santa Clara County Using Profiler Plus – Presentation 6/24/98 (CAC Study Group Meeting)

Evidence Technician Course/DNA Evidence – Instructor, Evergreen College (10/98, 5/01)

Crime Scene Processing and DNA Evidence, 8hr portion of Robert Presley Institute of Criminal Investigation Core Course – Instructor, San Jose State University, Administration of Justice (1997-1999)

Homicide Investigation/DNA Evidence – Instructor, San Jose State University, Administration of Justice (11/95, 5/96)

Crime Scene Processing and DNA Evidence – Trainer for law enforcement and medical personnel – Santa Clara County (1994-2001)

Research; Publications:

Cunnington, C. Database Process Automation Using DNA IQ™, Plexor® HY and PowerPlex® 16 HS Systems on the Biomek® 3000 Workstation. Promega Corporation Web site. <http://www.promega.com/resources/articles/profiles-in-dna/2011/database-process-automation/> Updated 2011. (Profiles in DNA)

Hall, C.R. 2000. "Effects On Stutter Production During Amplification of Tetranucleotide STR Loci." – Master's Thesis (San Jose State University)

Hall, C.R., et al. 2000. "Validation of the AmpliSTR Profiler Plus and the AmpFISTR COfiler PCR Amplification Kits, Using TWGDAM Guidelines." – AAFS Annual Meeting Proceedings, Abstract B77.p.56 (AAFS Meeting 2/00)

Cyndi Hall

Optimization of the Chelex extraction procedure for reduced heme inhibition during amplification. 1997 (Santa Clara County DA Crime Lab in conjunction with Applied Biosystems)

Property of Idaho State Police Forensic Services
Internet Copy