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LOS ANGELES, CA 90012

(213) 485-3531 PHONE
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September 11, 2007

BPC #07-0367

The Honorable Antonio Villaraigosa
Mayor, City of Los Angeles
City Hall, Room 303
Los Angeles, CA 90012

✓ The Honorable City Council
City of Los Angeles
City Hall, Room 395
Los Angeles, CA 90012

Attn: June Lagmay

Dear Honorable Members:

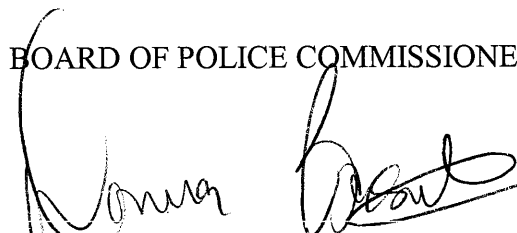
RE: TRANSMITTAL OF THE GRANT APPLICATION FOR THE 2007-2008 FORENSIC
DNA BACKLOG REDUCTION PROGRAM

At its regular meeting of Tuesday, September 11, 2007, the Los Angeles Board of Police Commissioners APPROVED the Department's report and the enclosed grant application relative to the above matter.

This matter is being forwarded to you for your approval.

Respectfully,

BOARD OF POLICE COMMISSIONERS


DONNA BASULTO
Acting Commission Executive Assistant

Enclosure

c: Chief of Police
Patricia Huber

SEP 12 2007
PUBLIC SAFETY

BUDGET & FINANCE

INTRADPARTMENTAL CORRESPONDENCE

BPC#07-0367

8C

August 29, 2007
10.2

TO: The Honorable Board of Police Commissioners

RECEIVED

AUG 29 2007

FROM: Chief of Police

POLICE COMMISSION
Muom Defant 9/5/07

SUBJECT: TRANSMITTAL OF THE GRANT APPLICATION FOR THE 2007-2008
FORENSIC DNA BACKLOG REDUCTION PROGRAM

RECOMMENDED ACTIONS

1. That the Board of Police Commissioners (Board) TRANSMIT the attached grant application for the Forensic DNA Backlog Reduction Program from the United States Department of Justice, National Institute of Justice (NIJ), pursuant to Administrative Code Section 14.6(a), to the Mayor, Office of the City Administrative Officer (CAO), Office of the Chief Legislative Analyst (CLA) and to the City Clerk for committee and City Council consideration.
2. That the Board REVIEW and APPROVE this report.
3. That the Board TRANSMIT the report concurrently to the Mayor and City Council.
4. That the Board REQUEST the Mayor and City Council to:
 - A. AUTHORIZE the Chief of Police to ACCEPT the award of the Forensic DNA Backlog Reduction Program funds in the amount of \$870,921 from the United States Department of Justice, National Institute of Justice (NIJ) for the period of October 1, 2007 to September 30, 2008;
 - B. AUTHORIZE the Chief of Police to negotiate and execute a Cooperative Agreement, subject to City Attorney approval as to form and legality;
 - C. AUTHORIZE the LAPD to submit grant reimbursement requests to the grantor and deposit the grant receipts in Fund No. 339, Department No. 70, Revenue Source 4674;
 - D. REQUEST the Controller to TRANSFER \$725,941 as a reimbursable advance, from the Reserve Fund to the Unappropriated Balance and APPROPRIATE therefrom to Fund No. 339, Department No. 70, Account No. C533;
 - E. AUTHORIZE the LAPD to expend \$144,980 to pay overtime to criminalists or analysts in the LAPD's Scientific Investigation Division (SID);
 - F. AUTHORIZE the LAPD to utilize \$108,090 for training and/or travel;

- G. AUTHORIZE the LAPD to negotiate and execute any necessary agreements with California Criminalistics Institute or any other providers to obtain training for the criminalists;
- H. AUTHORIZE the LAPD to expend \$198,803 for the purchase of equipment;
- I. AUTHORIZE the LAPD to expend \$405,048 for outside or contract laboratory services;
- J. AUTHORIZE the LAPD to enter into any agreements or amend any agreements with contract laboratories selected through the competitive bid process for a total of not more than \$405,048, during the period of the grant, for outside laboratory services to assist the Scientific Investigations Division (SID), subject to the approval of the City Attorney as to form and legality;
- K. AUTHORIZE the LAPD to utilize \$14,000 allocated under the "Other Costs" category of the budget for registration fees associated with training conferences and symposia;
- L. INSTRUCT the LAPD to repay the \$725,941 Reserve Fund Advance upon receipt of grant reimbursements from the Forensic Backlog Reduction Program Grant;
- M. INSTRUCT the LAPD to transfer grant reimbursement receipts for civilian overtime from Fund 339, Department No. 70, Account No. C533 to Fund No. 100, Department No. 70, Revenue Source 4764; and
- N. AUTHORIZE the LAPD to prepare Controller instructions for any technical adjustments, subject to the approval of the City Administrative Officer, and AUTHORIZE and INSTRUCT the Controller to implement the instructions.

DISCUSSION

On June 21, 2007, the LAPD submitted the attached application to the United States Department of Justice, National Institute of Justice (NIJ) for the Forensic DNA Backlog Reduction Program (Program), requesting funding in the amount of \$870,921 for the period of October 1, 2007 to September 30, 2008. The California Association of Crime Laboratory Directors determined the amount that the LAPD is eligible to receive.

To provide greater flexibility, the NIJ has combined the DNA Capacity Enhancement and Forensic Casework DNA Backlog Reduction Programs into the Forensic DNA Backlog Reduction Program. The goal of the Forensic DNA Backlog Reduction Program is to assist eligible states and units of local government to reduce DNA case turnaround time, increase the throughput, and reduce DNA forensic casework backlogs. Moreover, the Program aims to enhance laboratory capacity in order that DNA samples can be analyzed more efficiently and cost effectively.

The LAPD intends to enhance DNA analysis capacity in its SID's Serology/DNA Unit to meet existing and future demand for DNA screening and testing, and to reduce its backlog of an estimated 530 cases by 183 cases and to improve turnaround time from 112 days to 105 days. Demand for screening and/or typing services continues to exceed capacity due to the number of criminalists trained in both screening and testing, and the need for additional equipment. In addition, the demand is expected to increase due to the enactment of Proposition 69 and the success of solving property crimes through DNA analysis. Proposition 69 requires an arrestee in California to provide a DNA sample for the State Database Index System (SDIS). Because the number of records in SDIS will increase, the LAPD expects a greater likelihood of "hits" or DNA matches, necessitating additional analysis for verification purposes of all evidence from those cases.

The LAPD will utilize \$144,980 in funds to provide criminalists and laboratory technicians with overtime to screen 112 cases for DNA. Of these cases, approximately 67 are expected to yield DNA that can be typed. An estimated 51 of the 67 cases will be sent out to contract laboratories. The remaining 16 will be typed in house on overtime. The LAPD will also provide laboratory technicians with overtime to send 71 sexual assault evidence kits (where a suspect has not yet been identified) from the backlog to a contract DNA laboratory for screening and/or for DNA typing where a foreign body fluid is indicated. The LAPD will also provide criminalists with overtime in order that they may perform data review prior to uploading to the Combined DNA Index System (CODIS).

The LAPD will use a total of \$108,090 to provide existing and new criminalists DNA/STR and related training. The criminalists will attend either one of following three major annual DNA continuing education events to receive DNA/STR and related training: the American Academy of Forensic Sciences, the Annual Symposium on Human Identification or the Advanced DNA Technical Workshop.


The LAPD will also purchase equipment, including computers, pipettors, vortexers and mini countertop centrifuges that total \$198,803. This equipment is intended to further automate the laboratory and to improve efficiency. In addition, the LAPD will purchase stereo microscopes, PCR enclosures, centrifuges, microcentrifuges, heat blocks, a pH meter and an incubator to ensure that newly and soon to be hired criminalists will have their own equipment, increasing efficiency. A high-speed scanner will also be purchased to copy and download "cold hit" case packets into the Laboratory Information Management System (LIMS).

In addition, the LAPD will expend a total of \$405,048 to obtain the services of contract laboratories to perform screening and typing and to perform validation of newly purchased instrumentation. Without these services, the LAPD could not meet its intended goals of providing training while continuing to reduce its backlog and increase its laboratory capacity.

The Honorable Board of Police Commissioners
Page 4
10.2

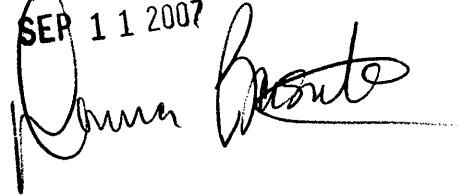
If you have any questions, Police Administrator Laura Filatoff, Commanding Officer,
Fiscal Operations Division, is available to assist you at (213) 485-5296.

Respectfully,


WILLIAM J. BRATTON
Chief of Police

Attachment

BOARD OF
POLICE COMMISSIONERS
Approved SEP 11 2007
Secretary





**NIJ FY 07 Forensic DNA Backlog Reduction Program
Formula Grant Announcement 2007-92226-CA-DN**



[Help/Frequently
Asked Questions](#)

Submit Application

[GMS Home](#)

Your application for the NIJ FY 07 Forensic DNA Backlog Reduction Program Formula Grant Announcement has been successfully submitted. You will no longer be able to edit any information submitted. However, you can log in any time to view the application information.

[Log Off](#)

You will be contacted by the Program Office when your application is processed or any other action is required by you.

Forensic DNA Backlog Reduction Program Fiscal Year 2007

Los Angeles Police Department

2. PROPOSAL ABSTRACT

The Los Angeles Police Department (LAPD) intends to enhance DNA analysis capacity in its Serology/DNA Unit to meet existing and future demand for DNA screening and testing, and to reduce its backlog of an estimated 530 cases by 183 cases and to improve turnaround time to 105 days from 112 days. To accomplish its goals, the LAPD will purchase additional equipment to further automate its laboratory. Moreover, the purchase of equipment will allow Criminalists to work more efficiently, since they now have to share processing equipment and computers. The LAPD will also employ a strategy of using contract laboratory services and providing Criminalists overtime to reduce its current backlog and meet demand. To ensure that Criminalists will have the time to train, the LAPD will send samples for screening and testing to the contract laboratories. However, Criminalists will receive overtime to perform some screening and/or testing in-house and to perform CODIS review. This strategy of sending cases to contract laboratories and providing overtime to Criminalists is intended to eliminate bottlenecks that have in the past prevented the LAPD from meeting all of its goals.

By continuing to enhance the laboratory's capacity, the LAPD will effectively manage both the current and anticipated increase in demand. An increase in demand is occurring due to the enactment of Proposition 69 in the State of California, pressure to use DNA to solve non-violent crimes, and the expectations of investigators, prosecutors and juries. The LAPD expects that further capacity enhancement, coupled with the increases in personnel, will reduce its backlog, will decrease turnaround time, will increase the number of samples tested per analyst and may reduce and eventually eliminate all contracting of overflow DNA casework.

TABLE OF CONTENTS

2. PROPOSAL ABSTRACT 1

3. PROGRAM NARRATIVE 3

PROBLEM STATEMENT..... 3

GOALS AND OBJECTIVES 8

IMPLEMENTATION..... 9

DETAILED PLAN 9

4. LIST OF KEY PERSONNEL..... 13

5. RESUMES OF KEY PERSONNEL..... 14

6. LETTERS OF COOPERATION 34

7. BUDGET NARRATIVE 37

8. BUDGET DETAIL WORKSHEET 41

9. AGREEMENT WITH NDIS—NOT APPLICABLE TO LAPD..... 52

10. CERTIFICATION..... 53

3. PROGRAM NARRATIVE

Problem Statement

Although the Serology/DNA Unit (SDU) of the Los Angeles Police Department (LAPD) Criminalistics Laboratory (Laboratory) has continued to increase its capacity since beginning in-house DNA services in 1993, it must continue its efforts to meet current and future demand. The current demand for screening and/or typing services continues to exceed capacity due to the number of Criminalists trained in both screening and testing, and the need for additional equipment. In addition, the demand is expected to increase due to the enactment of Proposition 69 and the success of solving property crimes through DNA analysis.

The backlog of UCR, Part I Violent Crime cases that require screening in-house and contract laboratory DNA typing is expected to increase from 328 to 530 cases during the one year period between September 30, 2006 and September 30, 2007. In 2005, the LAPD reported 31,767 UCR Part I crimes to the Federal Bureau of Investigations (FBI). This constitutes 16.7% of the 190,178 UCR Part I crimes reported by the State of California to the FBI for the same year. The LAPD SDU currently takes approximately 112 days to issue a report from the date that a request for DNA screening and/or testing is received. Due to the need to balance the limited resources of the Unit with the demands of the criminal justice system, the DNA Criminalists average 3.4 samples per case.

Table 1

Requests for service for the Serology/DNA Unit 2003 through April 2007

Requests Received	2003	2004	2005	2006	2007*
Screen for biological evidence	835**	702	702	657	966*
DNA Profiling (in-house & contract laboratory)	412	650	685	1034	1082*
DNA Samples Examined	1838**	1922	2066	2252	2997*
*Projected from first 5 months of 2007					
**Includes OCJP "Cold Hit" program samples					
NOTES:					
1. 2007 increase exceeds the amount attributed to property crimes grant alone (currently limited to one area).					
2. 2007 projections do NOT include:					
A. Expansion of DNA collection at property crimes from one to four bureaus (city-wide), which could add approximately 900-1200 more samples per year.					
B. Increases in DNA "hit" confirmations and resultant casework.					

Two developments are primarily responsible for the significant increase in demand for DNA screening and/or typing: the enactment of California Proposition 69 that expands the collection of DNA samples and the use of DNA evidence to solve property crimes. These two developments by increasing demand for screening and/or testing are expected to add to the backlog of cases.

The passage of Proposition 69 in November 2004 made significant changes in who is required to provide a DNA sample. Proposition 69 requires arrestees in California to provide DNA samples for the State Database Index System (SDIS). As a result of Proposition 69, the number of DNA profiles in the state DNA database (SDIS) has increased from 350,000 to 900,000. The number of profiles is expected to continue increasing in the next few years to well over 1,000,000. Due to this increase in profiles in SDIS, the LAPD's Criminalists will have to perform additional analysis because of the greater likelihood of "hits" or DNA matches. The LAPD has observed that "hit" rates where a previously unknown suspect is identified by his or

her profile has increased from 10% to 15% to more than 31% between the period prior to the enactment of Proposition 69 and now. Thus, the LAPD expects the number of “hit” verifications that its Criminalists must perform to increase from approximately 25 to 65 per year (roughly 10% of the total DNA cases).

Moreover, once a suspect is identified, the Criminalists will have to screen and type all evidence from an incident to rule out the possibility of other suspects and to provide corroborating evidence for successful prosecution. Criminalists will have to expedite the screening and/or testing in order to comply with the defendant’s right to a speedy trial. From the standpoint of the laboratory, a rise in demand for screening and/or testing will be similar in effect to a 10% increase in violent crimes, which serves to off-set the actual decreases in crime rates that have occurred in recent years.

The LAPD must also continue to perform DNA screening and/or testing in all cases of crimes against persons to conclusively identify and exclude suspects. This places an additional demand on the laboratory’s ability to quickly screen and/or test evidence.

In addition, the use of DNA evidence to solve non-violent or property crimes is going to increase demand for screening and/or testing and will contribute to the increase in the backlog. Presently, the LAPD is participating in the DNA Expansion Program Grant, which utilizes DNA to help solve property crimes, specifically residential and commercial burglaries. Although the LAPD is implementing the Program in only one of its four Bureaus, it is collecting samples from 25 sites per month. Although the DNA Expansion Program is still ongoing, the “hit” rate has risen to just over 40% for the samples uploaded to CODIS. Due to this success, the LAPD is likely to continue using DNA to solve property crimes after the grant has expired, which is in keeping with Chief William J. Bratton’s philosophy that decreasing quality of life offences will

restore community order and reduce crime. Since the LAPD is likely to expand the Program to its 3 other Bureaus, it may have to screen and/or test samples from approximately 75 cases per month or 900 cases during the year. The total estimated increase from expanding DNA typing to property crimes citywide is likely to be 1,200 cases.

To meet demand, the LAPD intends to increase the capacity of its laboratory by continuing to train Criminalists. Some Criminalists currently do not have the training to perform screening and/or DNA typing. The LAPD has already trained 20 Criminalists to perform screening. In addition, it will continue training 3 Criminalists to perform screening. The LAPD has also trained 7 Criminalists to perform testing or typing. The LAPD will continue training 9 Criminalists to perform testing. Another 7 Criminalists will start receiving training to perform testing. In addition, the LAPD will train 9 Criminalists that it will hire to perform screening and testing. Newly hired Criminalists may not have the required training to perform typing or may require continuing training to meet the FBI requirement. Once all of the Criminalists are fully trained in screening and testing, they will perform independent casework; thereby, increasing the number of cases analyzed in-house, and decreasing turnaround time from 112 days to 105 days.

The LAPD will also employ a strategy of using contract laboratory services and providing overtime to reduce its estimated backlog of 530 cases by 183 cases, meet demand, and train its Criminalists (see Table 2). The LAPD will send samples for screening and testing to the contract laboratories ensuring that Criminalists will have the time to train. However, Criminalists will receive overtime to perform some screening and/or testing in-house and to perform CODIS review. Because screening and/or testing of samples from active cases take priority over other duties, Criminalists now scramble to find the time to analyze and upload results to the CODIS database. This strategy of sending cases to contract laboratories and

providing overtime to Criminalists is intended to eliminate bottlenecks that have resulted in the past, and that have prevented the LAPD from achieving its goals. In the past, the LAPD tried to use overtime to screen and test cases in-house while also sending Criminalists to training, resulting in conflicting demands. By sending cases to contract laboratories, the LAPD reduces the demand on Criminalists' time, allowing them to obtain training while screening and/or testing some cases and performing CODIS review.

Table 2

Estimated Planned Grant Overtime Usage – Part I

Type of case	Number of cases	Hours/case	Total Hours
Screening	112*	10	1,120
Subcontractor Lab Data Review	51**	2	102
In-house DNA Profiling	16***	35	560
*112 cases screened will identify (on average) 66 cases with DNA to type **51 of the 67 cases will be sent to a subcontractor lab for DNA typing, each requiring review of the data prior to uploading into the DNA database ***16 of the 67 cases will be analyzed at LAPD			

Estimated Planned Grant Overtime Usage – Part II

Type of case	Number of cases	Hours/case	Total Hours
Sexual assault evidence kit send-out	71*	1.5	106.5
Subcontractor Lab Data Review	45**	2	90
*72 cases sent to a contract lab (by lab technicians) will be screened at that lab and are expected to identify 45 cases with DNA to type. These cases will then be typed at that lab (average of two samples per case). **45 cases will require a review by LAPD Criminalists prior to CODIS upload.			

Goals and Objectives

OBJECTIVE 1

TO IMPROVE DNA ANALYSIS CAPACITY

Goal: Reduce the time to complete a case from 112 days to 105 days

Performance Measure: Average number of days between submission of a DNA analysis request and the delivery of a completed report, at the start of the grant period compared to the same landmarks at the end of the grant period.

Goal: Increase in DNA analysis throughput for the laboratory.

Performance Measure: Average number of DNA samples analyzed per Criminalist at the start of the grant award period compared to the same landmarks at the end of the grant award period.

OBJECTIVE 2

TO REDUCE BACKLOGGED DNA CASEWORK

Goal: To reduce by 183 cases from the backlog of 530 UCR, Part I Violent Crime cases by performing screening and/or DNA profiling on overtime with existing personnel, by utilizing contract laboratory services and by increased productivity.

Performance Measure: Number of backlogged DNA cases at the beginning of the award period compared to the number of backlogged cases at the end of the award period.

Implementation

Should the LAPD be awarded funding, it will implement the project upon acceptance of the award by the Los Angeles City Council. The LAPD has identified training and will make arrangements for its Criminalists to attend. In addition, the LAPD will prepare requisitions for the purchase of the equipment in advance of Council approval to ensure timely completion. Finally, the LAPD is entering into DNA analysis contracts with multiple accredited fee-for-service vendors, which will allow it to better meet the outsourcing needs of the Department.

Detailed Plan

The LAPD has formed a Workflow Group, composed of experienced and novice DNA analysts (including personnel with prior experience in other Criminalistics laboratories). The ongoing task of this group is to assess the methods used in DNA analysis and work to improve the efficiency of the process. The SDU is aware of several areas that act as bottlenecks, which impede the throughput of cases. While the Workflow Group will continue to meet in an effort to find additional efficiency gains, funds from this grant will be used to address several which have already been identified. These are detailed in the following plan:

1. Bottleneck: Insufficient trained DNA analysts.

Solution A: Send all remaining Criminalists to dedicated training provided by the state of California, in order to qualify them to both screen evidence and perform DNA typing. The additional space that becomes available upon moving to a new facility will allow some training to be conducted on-site (depending on instructor availability), and therefore expedited. This is a long-term solution.

Solution B: Criminalists will screen approximately 28 cases per quarter using grant overtime. Those samples that contain probative DNA will be immediately sent to a contract laboratory for DNA typing. Any identified CODIS qualifying profiles will be reviewed (again on overtime) for upload to CODIS. This is a short-term solution to ensure that Criminalists have the time to obtain the training discussed in Solution A.

Solution C: Laboratory Technicians will package and send approximately 18 unscreened sexual assault evidence kits per quarter (on an overtime basis) to a contract lab for both screening and DNA typing (where appropriate). This is a short-term solution to ensure that Criminalists have the time to obtain the training discussed in Solution A.

Solution D: Qualified DNA analysts will review approximately 24 contract laboratory cases each quarter (13 from the pre-screened cases, 11 from the unscreened cases) in order to prepare and then upload each qualifying profile into CODIS.

2. **Bottleneck:** Due to a lack of space and equipment, Criminalists have had to share space or work in shifts to use processing equipment.

Solution: Purchase additional equipment to coincide with the relocation of the laboratory to a new facility that will have adequate space. The additional equipment will enable Criminalists to work more efficiently.

3. **Bottleneck:** Data analysis and management.

Solution: Purchase sufficient computers so that each Criminalist and each work area have ready access to the LIMS system that is being installed. Administrative tasks remain one major bottleneck, and immediate access to LIMS will reduce this bottleneck.

4. **Bottleneck:** Instrument validation. Prior to use on casework, an instrument must undergo validation, requiring the removal of a Criminalist from some or all casework to accomplish this task.

Solution: LAPD will contract for validation services with the instrument manufacturer, thereby allowing each new instrument to be validated much more expeditiously and come on-line for use in casework much faster.

5. **Bottleneck:** Assessment of the suitability of hairs for DNA typing. The Trace Evidence Unit now performs analysis on hair to determine if DNA is present. Due to limited personnel and equipment, the Trace Evidence Unit takes several days, weeks or longer, to complete the analysis, depending on the backlog in Trace.

Solution: Purchase equipment to aid and expedite this assessment.

6. **Bottleneck:** Identification of bloodstains on dark clothing and other dark substrates.

This is also done in the Trace Evidence Unit, especially when it comes to identifying blood spatter patterns on clothing, and can also be delayed both due to the Trace backlog and due to the lack of equipment to properly document these patterns.

Solution: Purchase of a digital camera and fiber optic upgraded lighting will allow much more rapid stain pattern documentation and allow items to move to DNA testing in a much more expeditious manner.

7. Bottleneck: Confirmation of CODIS "hits" on cases more than two years old will be delayed waiting for the case packet to be pulled from archives and transferred to the Serology/DNA Unit.

Solution: Purchase of a high speed scanner will enable clerical staff to scan, in advance, all previously archived case packets in which DNA profiles were uploaded to CODIS. The scanned files will be maintained as part of the LIMS system and will therefore be readily available to the DNA analysts.

4. LIST OF KEY PERSONNEL

**Greg Matheson, Chief Forensic Chemist
Laboratory Director
Criminalistics Laboratory**

**Larry Blanton, Supervising Criminalist
Serology/DNA Unit, Criminalistics Laboratory**

**Jeffrey Thompson, Supervising Criminalist
Serology/DNA Unit, Criminalistics Laboratory**

**Harry Klann, Criminalist III
Serology/DNA Unit, Criminalistics**

Various Serology/DNA Criminalists

5. RESUMES OF KEY PERSONNEL

STATEMENT OF QUALIFICATIONS

Gregory B. Matheson
Chief Forensic Chemist I

Current Area of Assignment
Administration

Education

- ♦ B.S., Criminalistics, 1977
California State University, Long Beach

Professional Experience

10/94 - Present Chief Forensic Chemist I
City of Los Angeles Police Department, Scientific Investigation Division

07/93 - 10/94 Supervising Criminalist, Forensic Analysis Section
City of Los Angeles Police Department, Scientific Investigation Division

03/92 - 07/93 Supervising Criminalist, Serology
City of Los Angeles Police Department, Scientific Investigation Division

05/89 - 03/92 Criminalist III, Serology
City of Los Angeles Police Department, Scientific Investigation Division

10/88 - 05/89 Criminalist, Field Investigation of Hit & Run Fatalities (FAIT)
City of Los Angeles Police Department, Scientific Investigation Division

08/81 - 10/88 Criminalist, Serology
City of Los Angeles Police Department, Scientific Investigation Division

01/80 - 08/81 Criminalist, Special Testing
City of Los Angeles Police Department, Scientific Investigation Division

06/78 - 01/80 Criminalist, Toxicology
City of Los Angeles Police Department, Scientific Investigation Division

11/73 - 06/78 Community Service Officer
Culver City Police Department

Testimony

Qualified as an expert witness to testify in the field(s) of:

- ♦ Filament Examination, Serology, Explosives, Flammables, Poisons, Toxicology - DUI

Specialized Training

- ♦ AAmerican Academy of Forensic Sciences Annual Meeting, American Academy of Forensic Sciences Dallas, TX, February 2004 (60 hours)

STATEMENT OF QUALIFICATIONS

Gregory B. Matheson

Page 2 of 8

- ◆ 14th Annual Symposium on Human Identification, Promega Corporation
Phoenix, AZ, September 2003 (32 hours)
- ◆ American Academy of Forensic Sciences (AAFS) Seminar
Chicago, IL, February 2003 (20 hours)
- ◆ California Association of Crime Laboratory Directors
Pleasanton, CA, November 2002 (12 hours)
- ◆ Promega International Symposium of Human Identification
Phoenix, AZ, October 2002 (24 hours)
- ◆ California Association of Criminalists (CAC) Seminar
San Francisco, CA, May 2002 (20 hours)
- ◆ California Association of Crime Laboratory Directors
San Diego, CA, April 2002 (12 hours)
- ◆ American Academy of Forensic Sciences (AAFS) Seminar
Atlanta, GA, February 2002 (20 hours)
- ◆ California Association of Crime Laboratory Directors
Fresno, CA, November 2001 (12 hours)
- ◆ California Association of Criminalists (CAC) Seminar
Los Angeles, CA, October 2001 (20 hours)
- ◆ California Association of Criminalists (CAC) Seminar
Lake Tahoe, CA, May 2001 (20 hours)
- ◆ California Association of Crime Laboratory Directors
Los Angeles, CA, April 2001 (12 hours)
- ◆ American Academy of Forensic Sciences (AAFS) Seminar
Reno, NV, February 2001 (20 hours)
- ◆ California Association of Crime Laboratory Directors
San Jose, CA, November 2000 (12 hours)
- ◆ California Association of Criminalists (CAC) Seminar
Glendale, CA, October 2000 (20 hours)
- ◆ California Association of Criminalistics (CAC) Seminar
Napa, CA, May 2000 (36 hours)
- ◆ American Academy of Forensic Sciences (AAFS) Seminar
Reno, NV, February 2000 (36 hours)
- ◆ California Association of Crime Laboratory Directors
Fresno, CA, November 1999 (16 hours)
- ◆ California Association of Criminalistics (CAC) Seminar
Ontario, CA, October 1999 (36 hours)
- ◆ West Point Leadership Program
Los Angeles, CA, August 1999 (136 hours)
- ◆ California Association of Criminalistics (CAC) Seminar
Oakland, CA, May 1999 (20 hours)

STATEMENT OF QUALIFICATIONS

Gregory B. Matheson

Page 3 of 8

- ◆ California Association of Crime Laboratory Directors
Huntington Beach, CA, April 1999 (12 hours)
- ◆ American Academy of Forensic Sciences (AAFS) Seminar
Orlando, FL, February 1999 (32 hours)
- ◆ California Association of Crime Laboratory Directors
Oakland, CA, November 1998 (12 hours)
- ◆ California Association of Criminalistics (CAC) Seminar
San Diego, CA, October 1998 (20 hours)
- ◆ California Association of Criminalistics (CAC) Seminar
Monterey, CA, May 1998 (16 hours)
- ◆ American Academy of Forensic Sciences (AAFS) Seminar
San Francisco, CA, February 1998 (32 hours)
- ◆ California Association of Crime Lab Directors
Concord, CA, November 1997 (12 hours)
- ◆ California Association of Criminalists (CAC) Seminar
Irvine, CA, October 1997 (16 hours)
- ◆ California Association of Criminalists (CAC) Seminar
Sacramento, CA, May 1997 (16 hours)
- ◆ California Association of Criminalists (CAC) Seminar
Palm Springs, CA, October 1996 (16 hours)
- ◆ California Association of Criminalists (CAC) Seminar
Milpitas, CA, May 1996 (16 hours)
- ◆ American Academy of Forensic Sciences (AAFS) Seminar
Nashville, TN, February 1996 (32 hours)
- ◆ California Association of Criminalists (CAC) Seminar
Los Angeles, CA, October 1995 (16 hours)
- ◆ Bloodborne and Airborne Pathogen, Los Angeles Police Department
Los Angeles, CA, June 1995 (4 hours)
- ◆ California Association of Criminalists (CAC) Seminar
Walnut Creek, CA, May 1995 (16 hours)
- ◆ American Academy of Forensic Sciences (AAFS) Seminar
Seattle, WA, February 1995 (32 hours)
- ◆ California Association of Criminalists (CAC) Seminar
Pasadena, CA, October 1994 (16 hours)
- ◆ California Association of Criminalists (CAC) Seminar
Oakland, CA, May 1994 (16 hours)
- ◆ American Academy of Forensic Sciences (AAFS) Seminar
San Antonio, TX, February 1994 (32 hours)
- ◆ California Association of Criminalists (CAC) Seminar
San Diego, CA, October 1993 (16 hours)

STATEMENT OF QUALIFICATIONS

Gregory B. Matheson

Page 4 of 8

- ♦ International Symposium on Human Identification
Scottsdale, AZ, September 1993 (16 hours)
- ♦ California Association of Criminalists (CAC) Seminar
Berkeley, CA, May 1993 (16 hours)
- ♦ California Association of Criminalists (CAC) Seminar
Ventura, CA, October 1992 (16 hours)
- ♦ California Association of Criminalists (CAC) Seminar
Fresno, CA, May 1992 (16 hours)
- ♦ American Academy of Forensic Sciences (AAFS) Seminar
New Orleans, LA, February 1992 (32 hours)
- ♦ California Association of Criminalists (CAC) Seminar
Ontario, CA, October 1991 (16 hours)
- ♦ California Association of Criminalists (CAC) Seminar
San Francisco, CA, May 1991 (16 hours)
- ♦ California Association of Criminalists (CAC) Seminar
Long Beach, CA, October 1990 (16 hours)
- ♦ Radiation Safety Officer Training
San Diego, CA, July 1990 (16 hours)
- ♦ PCR Workshop, University of New Haven, CT
June 1990 (40 hours)
- ♦ California Association of Criminalists (CAC) Seminar
San Mateo, CA, May 1990 (16 hours)
- ♦ American Academy of Forensic Sciences (AAFS) Seminar
Cincinnati, OH, February 1990 (24 hours)
- ♦ RFLP Analysis - FBI Procedure
Denver, CO, January 1990 (40 hours)
- ♦ Detection of DNA Polymorphisms
Denver, CO, January 1990 (40 hours)
- ♦ B/A .08 Training, Los Angeles Police Department
January 1990 (8 hours)
- ♦ International Symposium on Human Identification
Madison, WI, November 1989 (16 hours)
- ♦ International Society of Forensic Haemogenetics
New Orleans, LA, October 1989 (32 hours)
- ♦ DNA Techniques and Typing, University of New Haven, CT
July 1989 (24 hours)
- ♦ Bone Grouping Techniques, University of New Haven, CT
July 1989 (24 hours)
- ♦ California Association of Criminalists (CAC) Seminar
Sacramento, CA, May 1989 (16 hours)

STATEMENT OF QUALIFICATIONS

Gregory B. Matheson

Page 5 of 8

- ♦ American Academy of Forensic Sciences (AAFS) Seminar
Las Vegas, NV, February 1989 (32 hours)
- ♦ Vehicle Lamp Examination, Northwest University
Evanston, IL, October 1988 (24 hours)
- ♦ California Association of Criminalists (CAC) Seminar
Orange County, CA, October 1988 (16 hours)
- ♦ California Association of Criminalists (CAC) Seminar
Berkeley, CA, May 1988 (16 hours)
- ♦ Advanced Accident Investigation, California Highway Patrol Academy
April 1988 (80 hours)
- ♦ Skidmark Analysis, Rio Hondo College
Whittier, CA, February 1988 (40 hours)
- ♦ Forensic DNA Seminar
Newport Beach, CA, November 1987 (8 hours)
- ♦ California Association of Criminalists (CAC) Seminar
Newport Beach, CA, October 1987 (16 hours)
- ♦ Serology Symposium Seminar
Sacramento, CA, May 1987 (24 hours)
- ♦ California Association of Criminalists (CAC) Seminar
Reno, NV, May 1987 (16 hours)
- ♦ California Association of Criminalists (CAC) Seminar
Contra Costa, CA, May 1986 (16 hours)
- ♦ California Association of Criminalists (CAC) Seminar
Los Angeles, CA, October 1985 (16 hours)
- ♦ California Association of Criminalists (CAC) Seminar
Oakland, CA, May 1985 (16 hours)
- ♦ California Association of Criminalists (CAC) Seminar
San Diego, CA, October 1984 (16 hours)
- ♦ California Association of Criminalists (CAC) Seminar
Monterey, CA, May 1984 (16 hours)
- ♦ California Association of Criminalists (CAC) Seminar
San Bernardino, CA, November 1983 (16 hours)
- ♦ FBI Biochemical Methods in Bloodstain Analysis, Federal Bureau of Investigation Academy
Quantico, VA, December 1982 (80 hours)
- ♦ California Association of Criminalists (CAC) Seminar
Sacramento, CA, November 1982 (16 hours)
- ♦ California Association of Criminalists (CAC) Seminar
Orange County, CA, May 1982 (16 hours)
- ♦ California Association of Criminalists (CAC) Seminar
South Lake Tahoe, CA, November 1981 (16 hours)

STATEMENT OF QUALIFICATIONS

Gregory B. Matheson

Page 6 of 8

- ◆ California Association of Criminalists (CAC) Seminar
Pasadena, CA, May 1981 (16 hours)
- ◆ California Association of Criminalists (CAC) Seminar
Yosemite, CA, November 1980 (16 hours)
- ◆ California Association of Criminalists (CAC) Seminar
Santa Barbara, CA, May 1980 (16 hours)
- ◆ Forensic Alcohol Supervisors School, Orange County Sheriff's Academy
April 1980 (80 hours)
- ◆ FBI Bombing Investigators School, Orange County Sheriff's Academy
April 1980 (32 hours)
- ◆ California Association of Criminalists (CAC) Seminar
Oakland, CA, October 1979 (16 hours)
- ◆ IR & HPLC Seminar, Beckman Instruments
Los Angeles, CA, September 1979 (8 hours)
- ◆ Finigan Instruments - Toxicology Seminar, University of Southern California
June 1979 (6 hours)

Professional Affiliations

- ◆ California Association of Criminalists, 05/00 to 05/03
Participation: Endowment Committee
- ◆ California Association of Crime Laboratory Directors, 07/98 to 07/00
Participation: President
- ◆ American Board of Criminalistics, 02/98 to 02/04
Participation: Board of Directors, Member-at-Large
- ◆ California Association of Crime Laboratory Directors, 11/97 - 11/98
Participation: President-Elect
- ◆ California Association of Criminalists, 05/94 to Present
Participation: Publications Committee Member
- ◆ California Association of Criminalists, 05/94 - 05/96
Participation: Financial Review Committee Chair
- ◆ American Academy of Forensic Sciences (AAFS), 02/93 to Present
Participation: Member
- ◆ California Association of Criminalists, 05/92 - 05/93
Participation: President
- ◆ California Association of Criminalists, 05/91 - 05/92
Participation: President-Elect
- ◆ California Association of Criminalists, 05/90 - 05/91
Participation: Regional Director-South (Board of Directors)
- ◆ American Board of Criminalistics, 02/90 - 05/92
Participation: Vice President

STATEMENT OF QUALIFICATIONS

Gregory B. Matheson

Page 7 of 8

- ◆ California Association of Crime Laboratory Directors, 07/89 to Present
Participation: Member
- ◆ California Association of Criminalists, 01/87 - 05/90
Participation: Certification Committee Chairman
- ◆ California Association of Criminalists, 05/86 - 05/89
Participation: Awards Committee Member
- ◆ California Association of Criminalists, Fall 1985
Participation: Seminar Chairman
- ◆ California Association of Criminalists, October 1979 to Present
Participation: Member

Training Given

- ◆ LAPD Detective Supervisors School, various locations from 1992 to present
- ◆ LAPD Homicide Detective School, various locations from 1988 to present
- ◆ LAPD Sexual Assault Detective School, various locations from 1988 to present
- ◆ Medical Protocol Trainer for the Collection of Sexual Assault Evidence, Sponsored by the Office of Criminal Justice Planning (OCJP), 1987 to 1988

Publications and Presentations

- ◆ "Certification, For You the Professional", CAC Seminar, Spring 2000
- ◆ "Coordinating High Profile Cases and Managing the Effects on the Laboratory", CACLD Seminar, Fall 1997
- ◆ "Coordination of a High Profile Case", CAC Seminar, Fall 1996
- ◆ "Complying with the Nation: Preservation of Biological Evidence at LAPD", CAC Seminar, Fall 1994

Additional Qualifications

- ◆ Presentation before the Federal Commission on the Future of DNA Evidence. Topic covered the storage conditions for the biological evidence.
July 1999, Boston, MA
- ◆ Presentation at the 1999 AAFS Annual Meeting
"Will the Success of Criminalistics Mark the End of the Criminalist?"
- ◆ Moderator of afternoon DNA program at the February 1998 American Academy of Forensic Sciences Meeting.
- ◆ Presentation at the Fall 1997 CAC Seminar.
Panel on the Evidence & Repercussions of the Simpson Case.

STATEMENT OF QUALIFICATIONS

Gregory B. Matheson

Page 8 of 8

- ◆ Participant in the development of the Commission on Peace Officer Standards of Training telecourse on Forensic Technology, July 1993.
- ◆ Diplomate of the American Board of Criminalistics, issued July 1993.
- ◆ Presentation at the Metropolitan Sexual Assault Investigator's Meeting, January 1992. DNA Processing as it Pertains to Sexual Assault Evidence.

- ◆ Holder of a "Certificate of Professional Competency in Criminalistics" issued June 1989 by the California Association of Criminalists
- ◆ Proficiency test analyst for the State of California, Bureau of Forensic Services' implementation of EAP, EsD, and PGM Sub-typing, utilizing iso-electric focusing. 20 blind samples. March/April 1988.

- ◆ Member of the Standards of Training working group for the 1987 Symposium on the Practice of Forensic Serology.

STATEMENT OF QUALIFICATIONS

Larry Blanton

Supervising Criminalist

Current Area of Assignment

Serology

Education

- ◆ B. A., Chemistry, May 1985
California State University Northridge

Professional Experience

- 01/95 - Present Supervising Criminalist
City of Los Angeles Police Department, Scientific Investigation Division
- 03/87 - 01/95 Criminalist
City of Los Angeles Police Department, Scientific Investigation Division
- 09/85 - 12/85 Production Chemist
Diagnostic Products Corporation
- 12/85 - 03/87 Laboratory Technician II
City of Los Angeles Department of Sanitation

Testimony

Qualified as an expert witness to testify in the field(s) of:

- ◆ Serology, Crime Scene Processing, Toxicology, Narcotics Analysis

Specialized Training

- ◆ DNA Auditing, Federal Bureau of Investigation
August 2003 (24 hours)
- ◆ DNA Grantee's Workshop, National Institute of Justice
Washington, D.C., June 2003 (20 hours)
- ◆ DNA Workshop, California Association of Criminalists
Huntington Beach, CA, October 2002 (8 hours)
- ◆ DNA Grantee's Workshop, National Institute of Justice
Washington, D. C., June 2002 (20 hours)
- ◆ CAC Fall Seminar, California Association of Criminalists
Universal City, CA, October 2001 (16 hours)
- ◆ DNA Grantee's Workshop, National Institute of Justice
Washington, D. C., June 2001 (20 hours)

STATEMENT OF QUALIFICATIONS

Larry Blanton

Page 2 of 3

- ◆ CAC Fall Seminar, California Association of Criminalists
Glendale, CA, October 2000 (16 hours)
- ◆ CAC Spring Seminar, California Association of Criminalists
Napa, CA, May 2000 (16 hours)
- ◆ CAC Spring Seminar, California Association of Criminalists
Oakland, CA, May 1999 (16 hours)
- ◆ DNA Workshop
San Diego, CA, October 1998 (8 hours)
- ◆ Supervisory Excellence
Los Angeles, CA, September 1998 (100 hours)
- ◆ CAC Spring Seminar, California Association of Criminalists
Monterey, CA, May 1998 (16 hours)
- ◆ CAC Spring Seminar, California Association of Criminalists
Sacramento, CA, May 1997 (40 hours)
- ◆ DNA Statistics, California Criminalistics Institute
Sacramento, CA, May 1997 (16 hours)
- ◆ Forensic Statistics, California Criminalistics Institute
Sacramento, CA, May 1997 (24 hours)
- ◆ CAC Spring Seminar, California Association of Criminalists
Milpitas, CA, March 1996 (16 hours)
- ◆ DNA/PCR Typing, California Criminalistics Institute
Sacramento, CA, January 1996 (40 hours)
- ◆ Principle of Molecular Biology, University of California-Los Angeles
Los Angeles, CA, January 1996 (3 Units hours)
- ◆ Crime Scene Investigation II, California Criminalistics Institute
Sacramento, CA, May 1993 (40 hours)
- ◆ McCrone Basic Microscopy, McCrone Research Institute
Los Angeles, CA, March 1993 (40 hours)
- ◆ Forensic Examination of Sexual Assault Evidence, California Criminalistics Institute
Sacramento, CA, November 1992 (80 hours)
- ◆ Forensic Serology, California Criminalistics Institute
Sacramento, CA, September 1992 (40 hours)
- ◆ Advanced Monarch Operator, Instrument Lab (IL)
Boston, MA, April 1992 (27 hours)
- ◆ Applied Molecular Spectroscopy, Arizona State University
Tempe, AZ, July 1991 (40 hours)
- ◆ Forensic Urine Drug Testing
Salt Lake City, UT, November 1990 (24 hours)
- ◆ GC/MS 2111 Pascal Programming, Hewlett Packard
Atlanta, GA, March 1990 (32 hours)

STATEMENT OF QUALIFICATIONS

Larry Blanton

Page 3 of 3

- ♦ Alcohol Impairment at .08% BAC, Los Angeles Police Department
Los Angeles, CA, January 1990 (8 hours)
- ♦ MSD Pascal Operator, Hewlett Packard
Atlanta, GA, January 1990 (40 hours)
- ♦ DEA Forensic Chemist Seminar, Drug Enforcement Agency
McClellan, VA, May 1989 (40 hours)
- ♦ Nicolet PC/IR Training
Madison, WI, January 1989 (32 hours)
- ♦ Driving Correlation Study, San Bernardino Sheriff's Office
San Bernardino, CA, August 1987 (8 hours)

Professional Affiliations

- ♦ American Board of Criminalistics, 1993 to Present
Participation: Diplomate
- ♦ California Association of Criminalists, 1990 to Present
Participation: Member

Training Given

- ♦ Collection/Preservation of Evidence, Los Angeles Police Department, Detective Training,
February 1999 to December 2000
- ♦ Packaging and Weighing Narcotic Evidence, Los Angeles Police Department Recruit
Training, June 12, 1996
- ♦ Major Assault Crime and Sexual Assault, Los Angeles Police Department, Detective School,
1995 to Present
- ♦ Collection of Blood Stain Evidence, Los Angeles Police Department, Detective School,
April 1994

JEFFREY A. THOMPSON

Los Angeles Police Department
Scientific Investigation Division
555 Ramirez Street, Space 270
Los Angeles, CA 90012-2925

DEGREES

Master of Science, Criminalistics

(thesis in progress)

California State University, Los Angeles

Courses completed in the following areas: impression evidence, trace evidence, serology/DNA, drug identification, legal medicine, questioned documents and special problems in criminalistics. Thesis currently in progress.

Bachelor of Science, Criminalistics

1980

California State University, Long Beach

EMPLOYMENT

Supervising Criminalist

Los Angeles Police Department
Scientific Investigation Division

September, 2005 to present

Duties consist of supervision of the PM and AM shifts of the Serology/DNA Unit, as well as assisting in supervisory tasks for the Unit as a whole. Emergency appointment.

Criminalist II

Los Angeles Police Department
Scientific Investigation Division

January, 2003 to September, 2005

Duties consist of identification of body fluids for subsequent typing via Short Tandem Repeat ("STR") and mitochondrial DNA analysis. Occasional Field Unit assignments to process major crime scenes.

Supervising Criminalist

Huntington Beach Police Department
Scientific Investigation Unit

August, 1990 to January, 2003

Supervision and training of four Criminalists, maintenance of Unit Quality Assurance program and part-time supervision of other laboratory staff (prints, photos & field). Responsible for Forensic Alcohol Analysis program. Wrote the unit protocols for the use of, and maintained Intoxilyzer 5000 and Alco-Sensor models III & IV breath alcohol instruments. Casework in trace evidence and other areas performed on a regular basis. Regularly processed homicide scenes.

Criminalist / Sr. Criminalist

Huntington Beach Police Department
Scientific Investigation Unit

May, 1980 to August, 1990

Routine and complex analyses and court testimony on blood, urine and breath alcohol, trace evidence, serology and solid dose drugs. Qualified in Municipal and Superior courts as an expert in all of the above

listed disciplines. Extensively revised Unit alcohol analysis method. Processed numerous homicides and other major crime scenes.

Laboratory Technician

Micrographics, Santa Ana, CA

February, 1978 to May, 1980

Routine operation and maintenance of scanning electron microscope and x-ray analysis instruments.

SPECIALIZED TRAINING

COURSES COMPLETED (BY CATEGORY)

INSTRUCTOR(S)

DATES

Quality Assurance

Preparing for Accreditation Under ISO 17025
Performance Level Auditing
Forensic Laboratory Quality Assurance

Drug Enforcement Admin.
Nat'l For Sci Training Ctr
FBI Laboratory Staff

February 22, 2005
June 11-12, 2002
February 5-8, 2002

Supervision

Hostile Workplace Environment Prevention
P.O.S.T. Assertive Supervision
Self-Discipline & Emotional Control
Crime Scene Review for Supervisors
Mgmt. Problems, Tech. Person in Leader Role
Supervisory Excellence II
Supervisory Excellence I

V. T. & Associates
Marin Consulting Assoc.
Career Track Seminars
Calif. Criminalistics Inst
Fred Pryor Seminars
Univ. of Calif. Irvine
Univ. of Calif. Irvine

August 6, 2001
Sept. 22-23, 1999
February 17, 1999
July 29-31, 1998
January 26, 1998
July 5 - Sept. 6, 1989
Apr 12 - June 14, 1989

Trace Evidence

Forensic Statistics
Post-Blast Crime Scene Investigation
Forensic Wound Pathology Seminar
Microchemical Methods of Analysis
Intro. to Hair & Fiber Analysis
Arson Accelerant Detection
Capillary Gas Chromatography
Advanced Forensic Microscopy
Basic Forensic Microscopy

Calif. Criminalistics Inst
FBI Bomb Tech Staff
P. Besant-Matthews, MD
McCrone Research Inst.
FBI Laboratory Staff
B.A.T.F.
W. Jennings, PhD
McCrone Research Inst
McCrone Research Inst

July 20-22, 1998
September 9-13, 1996
July 24-27, 1995
March 27-31, 1995
Sept. 10-22, 1989
July 17-21, 1989
October 19, 1988
November 4-8, 1985
January 26-30, 1981

Serology/DNA

Short Tandem Repeat Anal. & Typing – STR I
Adv. DNA Extr. & Quant. w/ Real Time q-PCR
Short Tandem Repeat Analysis & Typing
Genetics
Statistics in DNA Analysis
Forensic Aspects of DNA Analysis

Calif. Criminalistics Inst.
Calif. Criminalistics Inst.
Calif. Criminalistics Inst.
Univ. of Calif., Irvine
Calif. Criminalistics Inst.
FBI FSRTC Staff

August 22-26, 2005
April 4-8, 2005
August 10-13, 1999
Sept 25 – Dec 7, 1998
July 23-24, 1998
Sept 22 – Oct 6, 1997

DNA/PCR: DQA1 & Polymarker Typing	Calif. Criminalistics Inst.	July 28 - Aug 1, 1997
DNA Extraction & Quantification	Calif. Criminalistics Inst.	July 15 - 18, 1997
Genetics & Statistics in Forensic Biology	Bruce Weir, Ph.D.	June 17 - 19, 1992
Forensic Application & Molecular Biology	CA State Univ. Fullerton	Sept 1991 – Jan 1992
Semen Identification & Analysis	Serological Research Inst.	October 5 –16, 1987
Basic Forensic Serology	FBI Laboratory Staff	July 7 – 19, 1985
Bloodstain Pattern Interpretation	Professor H. MacDonell	October 22-26, 1984
Blood Alcohol Analysis		
Forensic Alcohol Analysis & Toxicology*	A.W. Jones, Ph.D.	October 26-27, 1992
<i>*I conceived of, organized and attended this course.</i>		
Intoxilyzer 5000 User's Group	CMI, Inc.	August 12-16, 1990
Alcohol Impairment at .08	So. Cal. Research Inst.	January 30, 1990
Intoxilyzer 5000 Field Service	CMI, Inc.	July 15-16, 1986
Forensic Alcohol Supervisor Course	DOJ, Bur. Forensic Serv.	June 18-22-1986

TECHNICAL PRESENTATIONS

- California Association of Criminalists – Fall Seminar (1999):
Presenter and author, "Steroid Identification via Microcrystalline Tests".
- California Association of Criminalists – Serology Study Group (1993):
Back to Basics Lecture on ABO Blood Grouping.
- American Academy of Forensic Science, 1990 Meeting:
Presenter and author, "An Unusual Acrylic Fiber".

TEACHING EXPERIENCE

- Robert Presley Institute for Criminal Investigation
Certified Instructor, teaching physical evidence (serology/DNA emphasis)
- California State University, Fullerton (1998-current)
Adjunct Professor, teaching the following course: Basic Principles of Forensic Documentation & Communication.
- National University (1994 – 1998):
Adjunct Professor of Forensic Science, teaching the following courses:
Criminalistics I and Advanced Criminalist II and III.
- Forensic Alcohol Supervisor course (1995, 1998 & 2000); Title 17 regulations (1998) & wet chemical methods of blood alcohol analysis (1995, 1998 & 2000).
- Huntington Beach Police Department:
Provide training to all Criminalists on collection, analysis and interpretation of all types of

physical evidence. Exclusive instructor of breath test operators, 1986 – 1997.

- Orange County District Attorney's Office (1991):
Invited to assist in training new Deputy DAs on utilization of the Criminalist in driving under the influence cases.
- Golden West College (1991):
Invited guest speaker on alcohol and it's effects.
- Irvine Unified School District (1995 – 2001):
Science Career Options Day presentation on Criminalistics.

PROFESSIONAL MEMBERSHIPS & ACTIVITIES

- Member, American Academy of Forensic Sciences
Annual meetings attended: 2005, 1996, 1994, 1992, 1991, 1990, 1989 & 1987
- Member, California Association of Criminalists
Committee service:
 - Quality Assurance Study Group (founding member) 2000 - 2003
 - Trace Evidence Study Group (Co-Chair), 1990-1994
 - Fire Debris Analyst Certification, 1990-1994
 - Training and Resources, 1991-1997
 - Public Health/Forensic Alcohol Analysis Liaison, member: 1992-1995,
Chairman: 1995-2000 (Distinguished Service Award)Semi-annual meetings attended: numerous
- Member, American Board of Criminalistics
-Fire Debris Analysis Proficiency Review Committee, 1995-1998

CERTIFICATIONS

- California Association of Criminalists / American Board of Criminalistics
Certificate in Professional Competency / Diplomate 1989 – current
- Fellow, American Board of Criminalistics
Specialty Certifications:
 - Fire Debris Analysis 1995 – 1998
 - Solid Dose Drug Analysis 1995 – current
- California Department of Health Services
-Forensic Alcohol Supervisor

STATEMENT OF QUALIFICATIONS

Harry Klann Jr.
Criminalist III

Current Area of Assignment
Serology

Education

- ♦ B. S., Microbiology, 09/82-03/87
University of California, Los Angeles

Professional Experience

- 07/97 - Present Criminalist III
City of Los Angeles Police Department, Scientific Investigation Division
- 05/92 - 07/97 Criminalist II
City of Los Angeles Police Department, Scientific Investigation Division
- 11/90 - 05/92 Criminalist I
City of Los Angeles Police Department, Scientific Investigation Division
- 07/89 - 11/90 Medical Laboratory Technician
Rheumatology Diagnostics Laboratory
- 03/88 - 06/89 Staff Research Associate I
UCLA, Department of Biology, Molecular Biology Institute
- 06/84 - 06/90 Medical Laboratory Technician II
Santa Monica Hospital Medical Center

Testimony

Qualified as an expert witness to testify in the field(s) of:

- ♦ Forensic DNA Typing, Crime Scene Processing, Traffic Collision Investigation, Forensic Serology,
Forensic Alcohol Analysis and Driving Impairment (FAA)

Specialized Training

- ♦ 14th Annual Symposium on Human Identification, Promega Corporation
Phoenix, AZ, September 2003 (28 hours)
- ♦ CAC Fall Seminar and DNA Workshop, California Association of Criminalists
Huntington Beach, CA, October 2002 (32 hours)
- ♦ Future Trends in Forensic DNA Technology, 2002, Applied Biosystems
Costa Mesa, CA, September 2002 (6 hours)

STATEMENT OF QUALIFICATIONS

Harry Klann Jr.

Page 2 of 4

- ◆ Headlamp Examination, California Criminalistics Institute
Sacramento, CA, January 2002 (24 hours)
- ◆ DNA Auditor Training, Department of Justice, Berkeley DNA Laboratory
Berkeley, CA, November 2001 (12 hours)
- ◆ CAC Fall Seminar and DNA Workshop, California Association of Criminalists
Universal Studios, October 2001 (8 hours)
- ◆ Short Tandem Repeat Analysis by Capillary Electrophoresis, FBI Academy
Quantico, VA, July 2000 (40 hours)
- ◆ Tools for the STR Typing Lab., Triennial Mtg. of the Int'l Assoc. of Forensic Sciences,
UCLA
Los Angeles, CA, August 1999 (8 hours)
- ◆ Advanced AmpFlstr and ABI Prism 310 Genetic Analyzer Training, (PE), LAPD Crime Lab
Los Angeles, CA, July 1999 (32 hours)
- ◆ Death Investigation Class, Federal Bureau of Investigation Training School
Camarillo, CA, January 1999 (40 hours)
- ◆ DNA-PCR Short Tandem Repeat (STR) Analysis and Typing, CA Dept. of Justice, CCI
Sacramento, CA, August 1998 (26 hours)
- ◆ AAFS 50th Anniversary Meeting, American Academy of Forensic Sciences
San Francisco, CA, February 1998 (24 hours)
- ◆ Microscopy of Rape Evidence, California Criminalistics Institute (CCI)
Sacramento, CA, February 1998 (12 hours)
- ◆ Expert Testimony Training, Los Angeles County District Attorney Training Bureau
Los Angeles, CA, August 1997 (16 hours)
- ◆ Statistics in DNA Analysis, California Department of Justice, CCI
Sacramento, CA, May 1997 (16 hours)
- ◆ Bloodstain Pattern Interpretation, California Department of Justice, CCI
Sacramento, CA, April 1997 (38 hours)
- ◆ DNA-PCR: AMP-FLP (D1S80), California Department of Justice, CCI
Sacramento, CA, April 1997 (32 hours)
- ◆ Body Recovery Exercise, FBI Evidence Response Team
West Los Angeles, CA, April 1997 (4 hours)
- ◆ New Methods in Forensic PCR Workshop, Perkin-Elmer (PE) Applied Biosystems
Foster City, CA, November 1996 (24 hours)
- ◆ Forensic AmpliType PM+DQA1 PCR Workshop, (PE) Applied Biosystems
Foster City, CA, November 1996 (56 hours)
- ◆ DNA Users Group Meeting, California Association of Criminalists
Palm Springs, CA, October 1996 (8 hours)
- ◆ Statistics Workshop, Promega Corporation
Scottsdale, AZ, September 1996 (24 hours)

STATEMENT OF QUALIFICATIONS

Harry Klann Jr.

Page 3 of 4

- ◆ Fire and Explosion Investigation, California Department of Justice, CCI
- ◆ Sacramento, CA, July 1996 (36 hours)
- ◆ Robert Presley Institute of Criminal Investigation, Instructor's Update, POST Whittier, CA, June 1996 (32 hours)
- ◆ Forensic Alcohol Supervisor, CA DOJ CCI Santa Ana, CA, February 1996 (40 hours)
- ◆ Forensic Wound Pathology, UC, Irvine Irvine, CA, July 1995 (32 hours)
- ◆ "State-of-the-Art Biotechnology Methods and Instrumentation In Forensic Science", UC, Davis Davis, CA, June 1995 (8 hours)
- ◆ Techniques of Accident Investigation Training, California Highway Patrol Academy West Sacramento, CA, June 1995 (40 hours)
- ◆ DNA Typing with Short Tandem Repeats, Promega Corporation Madison, WI, May 1995 (16 hours)
- ◆ Fingerprint Classifier, Los Angeles City College Los Angeles, CA, January 1995 (6 hours)
- ◆ Courtroom Testimony Skills, California Association of Criminalists, LAPD Crime Lab Los Angeles, CA, November 1994 (8 hours)
- ◆ Firearm Safety in a Laboratory Environment, CA DOJ CCI, CCI CHP Academy West Sacramento, CA, March 1994 (24 hours)
- ◆ Forensic Crime Scene Investigation III, CA DOJ CCI Sacramento, CA, November 1993 (40 hours)
- ◆ PCR HLA DQ-Alpha Training, CA DOJ CCI Berkeley, CA, July 1993 (38 hours)
- ◆ Hybridization & Detection of RFLPs, National Fish & Wildlife Serv. Forensic Lab. Ashland, OR, July 1993 (40 hours)
- ◆ Forensic Crime Scene Investigation II, CA DOJ CCI Eureka, CA, May 1993 (40 hours)
- ◆ Advanced Aspects of Forensic DNA Typing, FSRTC, FBI Academy Quantico, VA, November 1992 (28 hours)
- ◆ Seminar on Population Genetics & Statistics for Forensic Biology, SBSD San Bernardino, CA, June 1992 (24 hours)
- ◆ Promega Corporation Third International Symposium on Human Identification, Promega Corp. Scottsdale, AZ, April 1992 (16 hours)
- ◆ The Forensic Application of DNA Typing Methods, FSRTC, FBI Academy Quantico, VA, April 1991 (160 hours)

Professional Affiliations

- ◆ American Society of Crime Laboratory Directors, 12/4/2000
Participation: DNA Technical Leader

- ◆ California State Department of Health Services, 10/24/1995
Participation: Forensic Alcohol Supervisor Certification

- ◆ American Board of Criminalistics, 01/1995
Participation: Diplomate's Certificate of Professional Competency in Criminalistics Fellow's
Certificate of Professional Competency in Criminalistics Specialty Examination: Molecular
Biology

- ◆ California Association of Criminalists, 10/20/1994
Participation: Full Member (elevated)

- ◆ Santa Monica Hospital Medical Center, 05/18/1984
Participation: Venipuncture Certification

6. LETTERS OF COOPERATION



CALIFORNIA ASSOCIATION OF CRIME LABORATORY DIRECTORS

"Advancing Forensic Science Through Effective Management"

June 19, 2007

BOARD OF DIRECTORS
2006 - 2007

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THOMAS J. NASSER
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Sacramento County District Attorney
Laboratory of Forensic Sciences
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Riverside, California 92509
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Lois Tully, PhD
Acting Chief
Investigative and Forensic Sciences Division
Office of Science and Technology
National Institute of Justice
U.S. Department of Justice
810 7th Street, NW (7th floor)
Washington, D.C. 20531

Lois
Dear Dr. Tully:

On behalf of the California Association of Crime Laboratory Directors, please accept our sincere appreciation for the opportunity to take part in the President's DNA Initiative program. The grant funding under this initiative has been tremendously effective in equipping and staffing our DNA laboratories and in helping us attack the backlog of cases waiting for analysis.

Each year California's Crime Laboratory Directors consider how the funds awarded to the state will be distributed. Again this year, we have reached a statewide consensus on an allotment formula for California's eligible crime laboratories. I have prepared a chart on the next page showing the agreed distribution of funds to the various California Crime Laboratories.

I would also like to take this opportunity to thank NIJ for responding to my letter to Acting Director Glenn Schmitt last July requesting greater flexibility of funding between the Casework and Capacity grants this year. The flexibility granted by NIJ this year exceeded what we had requested and is greatly appreciated. As you know, some laboratories are in a position to make more use of capacity funding while others are more in need of casework funding. The flexibility in this year's award will allow each laboratory to maximize their accomplishments by using their award in a way that will benefit their client agencies the most.

Lois Tully
June 19, 2007
Page 2

The laboratories listed below should use the allotted amounts (Final Share) in their application to NIJ for the 2007 DNA Backlog and Capacity grant. Each applicant laboratory will be provided with a copy of this letter to include with their application.

Fresno County does not intend to apply for the 2007 DNA grant funding.

I was advised by Senior Program Manager Mark Nelson that this year's funding of \$5,916,291 for California had been reduced before being awarded due to three laboratories not having spent their 2005 awards. NIJ reduced the award to California as a result of Oakland PD not having spent their \$69,524 award, San Francisco PD not having spent their \$73,529 award and California DOJ not having spent their \$622,144 award. California Crime Laboratory Directors reached agreement that a fair solution would be to deduct these amounts from the Original Share which had been calculated prior to being notified that California's award had been reduced. The total of \$765,197 was put back into the pool and redistributed to the remaining thirteen California laboratories.

Laboratory	Original Share	NIJ Adjustment	Final Share
Alameda Co. ¹	\$178,844	\$33,149	\$211,993
Contra Costa Co.	\$182,506	\$33,827	\$216,333
Fresno Co.	\$0	\$0	\$0
Kern Co.	\$158,092	\$29,303	\$187,395
Los Angeles PD	\$734,721	\$136,200	\$870,921
Los Angeles Co. ²	\$972,833	\$180,325	\$1,153,158
Oakland PD	\$145,547	(\$69,524)	\$76,023
Orange Co	\$335,282	\$62,145	\$397,427
Sacramento Co	\$338,394	\$62,726	\$401,120
San Bernardino Co	\$350,052	\$64,880	\$414,932
San Diego PD	\$254,163	\$47,103	\$301,266
San Diego Co. ³	\$261,854	\$48,537	\$310,391
San Francisco PD	\$143,749	(\$73,529)	\$70,220
San Mateo Co. ⁴	\$86,495	\$16,039	\$102,534
Santa Clara Co	\$198,315	\$36,755	\$235,070
Ventura Co	\$76,607	\$14,208	\$90,815
California Dept. of Justice	\$1,498,837	(\$622,144)	\$876,693
TOTAL	\$5,916,291	\$0	\$5,916,291

1. Alameda Co. less Oakland City
2. Los Angeles Co. less Los Angeles City
3. San Diego Co. less San Diego City
4. San Mateo Co. plus Vallejo City

Sincerely,



Thomas J. Nasser
President

Cc: Mark Nelson

7. BUDGET NARRATIVE

The Los Angeles Police Department (LAPD) is requesting a total of \$870,921 in DNA Backlog Reduction Grant funding for the 2007 fiscal year. These funds will be used to acquire equipment and provide training to improve turnaround time and reduce the backlog of cases. The LAPD will also utilize these funds to pay overtime to its Criminalists and to obtain contract laboratory services. In addition, the LAPD will purchase equipment to further automate its laboratory, improving efficiency.

Personnel

The LAPD will utilize \$144,980 in funds to provide Criminalists and Laboratory Technicians with overtime to screen 112 cases for DNA. Of these cases, approximately 67 are expected to yield DNA that can be typed. Of these 67, 51 cases will be sent out to contract laboratories (see Consultants/Contracts). The remaining 16 will be typed in-house on overtime. The LAPD will also use laboratory technicians to send 71 unscreened sexual assault evidence kits (where a suspect has not yet been identified) from the backlog to a contract DNA laboratory for screening and for DNA Typing where a foreign body fluid is indicated (see Consultants/Contracts). It is anticipated that the screening of 71 sexual assault evidence kits will result in DNA typing on 45 kits. The LAPD DNA analysts will then use grant-funded overtime to perform the mandatory data review, followed by CODIS upload. The combination of these two approaches should significantly reduce LAPD's backlog of UCR, Part I Violent Crime cases.

Because the LAPD does not provide fringe benefits on overtime, it has not provided a breakdown of costs.

Training

To provide existing and new Criminalists DNA/STR and related training, the LAPD will use a total of \$108,090. Several staff will attend either one of three major annual DNA continuing education events: the American Academy of Forensic Sciences, the Annual Symposium on Human Identification or the Advanced DNA Technical Workshop. These symposia will provide existing DNA Criminalists with the mandatory annual DNA training required by ASCLD/LAB or will provide DNA trainees with the necessary background to prepare for independent DNA casework. In addition, the training will allow Criminalists to remain current on emerging technologies and to learn how these technologies might improve operations.

By acquiring training through vendors, the LAPD can train newly hired Criminalists more quickly, while ensuring throughput by not further burdening more experienced Criminalists. In addition, the LAPD will be able to effectively meet the increasing demand for DNA typing without experiencing a short-term increase in its backlog of casework.

Equipment

The LAPD will purchase equipment, including computers, pipettors, vortexers and mini countertop centrifuges that total \$198,803. This equipment is intended to further automate the laboratory and to improve efficiency. In addition, the LAPD will purchase stereo microscopes, PCR enclosures, centrifuges, microcentrifuges, heat blocks, pH meter and an incubator to ensure that newly and soon to be hired Criminalists will have their own equipment, increasing efficiency. Once analysts no longer have to share computers and other equipment, significant logjams that had previously impeded the efficient processing of evidence will be eliminated.

Most of the equipment referenced above could not be purchased sooner because the LAPD did not have space for them in its current facility. However, the LAPD will have the necessary space once it relocates its laboratory to a new facility later this year.

Additional equipment will speed the detection of DNA in evidence. The equipment to be purchased for this purpose includes: digital camera with infrared and ultraviolet capability (to speed and enhance the detection of bloodstains on dark surfaces); fiber optic lighting for transmitted light microscopes (to speed and enhance the assessment of hair roots for DNA typing); digital camera to interface with microscopes (to effectively and rapidly document hair root condition prior to consumption during analysis); and ergonomic binocular observation tube and fiber optic upgrade for stereomicroscopes (to speed and enhance the sorting of hairs by root quality for DNA typing).

A high-speed scanner will be utilized by clerical staff to input potential "cold hit" case packets into the Laboratory Information Management System (LIMS). As the DNA databank (CODIS) continues to expand, many of the cases that were previously typed and uploaded into the system will lead to suspect identifications. This will require the review of the original case packet by any subsequent Criminalist. Currently, all cases more than two years old are stored in boxes at an off-site facility, and cannot be quickly accessed. Having the original Criminalists case packet with his or her notes readily available to the current DNA analyst will save that Criminalist significant time when confirming the DNA "hit" and when performing the necessary additional DNA typing needed to fully support prosecution.

The equipment that is to be purchased will also allow the Serology/DNA Unit to handle the increased demand for DNA "hit" confirmations and DNA analysis on property crimes without compromising other areas of DNA profiling. Through these purchases, the LAPD will

meet current and future demand, while working towards eliminating its use of contract laboratory services.

Consultants/Contracts

The LAPD will expend a total \$405,048 to obtain the services of contractors to perform screening and typing and to perform validation of newly purchased instrumentation. Without these services, the LAPD could not meet its intended goals.

The LAPD will utilize \$315,048 to send an average of just under six (6) samples from each of the pre-screened 51 UCR, Part I cases described above to an accredited contract DNA laboratory for DNA analysis. By testing the number of samples indicated, the LAPD will meet the expectations of prosecutors and juries. The LAPD will also send 71 unscreened sexual assault evidence kits to an accredited contract DNA laboratory for both screening and DNA analysis (approximately 2 samples per kit), as appropriate.

Moreover, the LAPD will utilize \$90,000 to hire consultants to complete the internal validation of new instrumentation. This service is provided by the manufacturer of the instrumentation, at a fixed, package cost, and will allow the LAPD to utilize the equipment more quickly.

Other

The LAPD will utilize \$14,000 to pay registration costs associated with training. Other costs associated with training are referenced above.

8. BUDGET DETAIL WORKSHEET

A. Personnel—List each position by title and name of employee, if available. Show the annual salary rate and the percentage of time to be devoted to the project. Compensation paid for employees engaged in grant activities must be consistent with that paid for similar work within the applicant organization.

Name/Position	Compensation	Cost
Criminalists	\$75 per hour (overtime) x 1872 hours	\$140,400
Laboratory Technicians	\$43 per hour (overtime) x 106.5 hours The LAPD does not pay fringe benefits on overtime.	\$4,580
	TOTAL	\$144,980

Budget Detail Worksheet

B. Fringe Benefits—Fringe benefits should be based on actual known costs or an established formula. Fringe benefits are for the personnel listed in budget category (A) and only for the percentage of time devoted to the project. Fringe benefits on overtime hours are limited to FICA, Workman's Compensation, and Unemployment Compensation.

Name/Position	Compensation	Cost
	TOTAL	\$0
	Total Personnel & Fringe Benefits	\$144,980

Budget Detail Worksheet

C. Travel—Itemize travel expenses of project personnel by purpose (e.g., staff to training, field interviews, advisory group meeting, etc.). Show the basis of computation (e.g. six people to 3 day training at \$X airfare, \$X lodging, \$X subsistence). In training projects, travel and meals for trainees should be listed separately. Show the number of trainees and any costs involved.

Purpose of Travel	Location	Item	Computation	Cost
Staff to training	Advanced DNA Technical Workshop	Airfare	8 people x \$450 per roundtrip airplane ticket = \$3,600	\$3,600
		Lodging	8 people x \$110 per night x 4 days = \$3,520	\$3,520
		Per Diem	8 people x \$45 x 4 days = \$1,140	\$1,440
		Incidentals	8 people x \$25 per person x 4 days = \$800	\$800
Staff to training	Symposium on Human Identification	Airfare	8 people x \$450 per roundtrip airplane ticket = \$3,600	\$3,600
		Lodging	8 people x \$110 per night x 4 days = \$3,520	\$3,520
		Per Diem	8 people x \$45 x 4 days = \$1,140	\$1,440
		Incidentals	8 people x \$25 per person x 4 days = \$800	\$800
Staff to training	American Academy of Forensic Sciences	Airfare	8 people x \$450 per roundtrip airplane ticket = \$3600	\$3,600
		Lodging	8 people x \$110 per night x 5 days = \$4,400	\$4,400
		Per Diem	8 people x \$45 x 5 days = \$1,800	\$1,800
		Incidentals	8 people x \$25 per person x 5 days = \$1,000	\$1,000
Staff to training: "Biological Fluid ID"	CA Dept of Justice, Sacramento, CA	Airfare	9 people x \$250 per roundtrip airplane ticket = \$2,250	\$2,250
		Lodging	9 people x \$110 per night x 4 days = \$3,960	\$3,960
		Per Diem	9 people x \$45 x 4 days = \$1,620	\$1,620
		Incidentals	9 people x \$25 per day x 4 days = \$900	\$900

Staff to training: “Micro. Exam of Sex. Assault Evidence”	CA Dept of Justice, Sacramento, CA	Airfare	9 people x \$250 per roundtrip airplane ticket = \$2,250	\$2,250
		Lodging	9 people x \$110 per night x 4 days = \$3,960	\$3,960
		Per Diem	9 people x \$45 x 4 days = \$1,620	\$1,620
		Incidentals	9 people x \$25 x 4 days = \$900	\$900
Staff to training: “DNA Extraction & Quantification”	CA Dept of Justice, Richmond, CA	Airfare	9 people x \$250 per roundtrip airplane ticket = \$2,250	\$2,250
		Lodging	9 people x \$110 per night x 5 days = \$4,950	\$4,950
		Per Diem	9 people x \$45 x 5 days = \$2,025	\$2,025
		Incidentals	9 people x \$25 per day x 5 days = \$1,125	\$1,125
Staff to training: “Adv. DNA Extraction & Quant. w/ qPCR”	CA Dept of Justice, Richmond, CA	Airfare	9 people x \$250 per roundtrip ticket = \$2,250	\$2,250
		Lodging	9 people x \$110 per night x 5 days = \$4,950	\$4,950
		Per Diem	9 people x \$45 per day x 5 days = \$2,025	\$2,025
		Incidentals	9 people x \$25 per day x 5 days = \$1,125	\$1,125
Staff to training: “Short Tandem Repeat – STR I”	CA Dept of Justice, Richmond, CA	Airfare	9 people x \$250 per roundtrip ticket = \$2,250	\$2,250
		Lodging	9 people x \$110 per night x 5 days = \$4,950	\$4,950
		Per Diem	9 people x \$45 per day x 5 days =	\$2,025
		Incidentals	9 people x \$25 per day x 5 days = \$1,125	\$1,125
Staff to training: “Short Tandem Repeat – STR II”	CA Dept of Justice, Richmond, CA	Airfare	9 people x \$250 per roundtrip ticket = \$2,250	\$2,250
		Lodging	9 people x \$110 per night x 5 days = \$4,950	\$4,950
		Per Diem	9 people x \$45 per day x 5 days = \$2,025	\$2,025
		Incidentals	9 people x \$25 per day x 5 days = \$1,125	\$1,125

Staff to training: “Courtroom Presentation of Evidence”	CA Dept of Justice, Sacramento, CA	Airfare	9 people x \$250 per roundtrip ticket = \$2,250	\$2,250
		Lodging	9 people x \$110 per night x 3 days = \$2,970	\$2,970
		Per Diem	9 people x \$45 per day x 3 days = \$1,215	\$1,215
		Incidentals	9 people x \$25 per day x 3 days = \$675	\$675
Staff to training: “Technical Writing for the Criminalist”	CA Dept of Justice, Sacramento, CA	Airfare	9 people x \$250 per roundtrip ticket = \$2,250	\$2,250
		Lodging	9 people x \$110 per night x 3 days = \$2,970	\$2,970
		Per Diem	9 people x \$45 per day x 3 days = \$1,215	\$1,215
		Incidentals	9 people x \$25 per day x 3 days = \$675	\$675
Staff to training: “Population Genetics in Forensic DNA”	CA Dept of Justice, Richmond, CA	Airfare	9 people x \$250 per roundtrip ticket = \$2,250	\$2,250
		Lodging	9 people x \$110 per night x 2 days = \$1,980	\$1,980
		Per Diem	9 people x \$45 per day x 2 days = \$810	\$810
		Incidentals	9 people x \$25 per day x 2 days = \$450	\$450
			TOTAL	\$108,090

Budget Detail Worksheet

D. Equipment—List non-expendable items that are to be purchased. (Note: Organization’s own capitalization policy for classification of equipment should be used). Expendable items should be included in the “Supplies” category. Applicants should analyze the cost benefits of purchasing versus leasing equipment, especially high cost items and those subject to rapid technical advances. Rented or leased equipment costs should be listed in the “Contractual” category. Explain how the equipment is necessary for the success of the project. Attach a narrative describing the procurement method to be used.

Item	Computation	Cost
LAN Computers	28 x \$1500 each	\$42,000
High speed scanner		\$3,247
UPS	8 x \$3,465 each	\$27,720
Pipettors	165 x \$300 each	\$49,500
PCR Enclosure	2 x \$2,500	\$5,000
CL2 Centrifuges for Centricons	2 x \$4,000	\$8,000
Micro Centrifuge	8 x \$2,800	\$22,400
Color Laser Printer		\$2,661
Vortexer	17 x \$250 each	\$4,250
Dry heat blocks	3 x \$800 each	\$2,400
Mini desk top centrifuge	15 x \$400 each	\$6,000
Stereo Microscope	2 x \$2,500 each	\$5,000
ph Meter		\$1,200
Incubator		\$625
Digital camera with UV & IR		\$2,800
Fiber optic microscope upgrade	2 x \$3,600	\$7,200
Microscope digital camera		\$3,800
Ergonomic binocular observation tube		\$4,000
Stereomicroscope fiber optic upgrade		\$1,000
	TOTAL	\$198,803

Budget Detail Worksheet

G. Consultants/Contracts—Indicate whether applicant’s formal, written Procurement Policy or the Federal Acquisition Regulations are followed.

Consultant Fees: For each consultant enter the name, if known, service to be provided, hourly or daily fee (8-hour day), and estimated time on the project. Consultant fees in excess of \$450 per day require additional justification and prior approval from OJP.

Name of Consultant	Service Provided	Computation	Cost
Applied Biosystems, Inc.	Advanced Validation Support for ABI 3130 (Identifiler) & 7500 (Quantifiler), including all aspects of validation, associated studies, analysis & reports & training of 3 analysts	30 x \$3,000	\$90,000
TOTAL			\$90,000

Consultant Expenses: List all expenses to be paid from the grant to the individual consultant in addition to their fees (i.e., travel, meals, lodging, etc.)

Item	Location	Computation	Cost
TOTAL			\$0

Contracts: Provided a description of the product or services to be procured by contract and an estimate of the cost. Applicants are encouraged to promote free and open competition in awarding contracts. A separate justification must be provided for sole source contracts in excess of \$100,000.

Item	Location	Computation	Cost
Contract DNA laboratories: Orchid Cellmark, Bode, Serological Research Institute	DNA typing of pre-screened evidence	\$688 per sample (average cost) x 306 samples (51 cases with an average of just under 6 samples per case)	\$210,528
Contract DNA laboratories: Orchid Cellmark, Bode, Serological Research Institute	Evidence screening	\$600 per sexual assault evidence kit x 71 kits	\$42,600
Contract DNA laboratories: Orchid Cellmark, Bode, Serological Research Institute	DNA typing of evidence screened by contract laboratory	\$688 per sample (average cost) x 90 samples (45 kits with approx. 2 samples per kit)	\$61,920
		Subtotal	\$315,048
		TOTAL	\$405,048

Budget Worksheet Summary

Budget Summary—When you have completed the budget worksheet, transfer the totals for each category to the spaces below. Compute the total direct costs and the total project costs. Indicate the amount of Federal requested and the amount of non-Federal funds that will support the project.

Budget Category	Total
A. Personnel	\$144,980
B. Fringe Benefits	
C. Travel	\$108,090
D. Equipment	\$198,803
E. Supplies	
F. Construction	
G. Consultants/Contracts	\$405,048
H. Other	\$14,000
I. Indirect Costs	
TOTAL PROJECT COSTS	\$870,921

Federal Request \$870,921

In Kind Match \$0