



**RESUME OF
PHILLIP HOPPER**

EDUCATION

1991-1994 *University of California, Riverside, CA*
Master of Science in Chemistry

1987-1991 *Erskine College, Due West, SC*
Bachelor of Science in Chemistry

EMPLOYMENT

2010-Present *Serological Research Institute, Richmond, CA*

2017-Present Forensic Serologist II/DNA Technical Leader

Oversee technical operations of the laboratory; examine, extract, quantify, and analyze DNA from case reference & evidence samples, write reports of analytical results; review research and validation studies.

2015-2017 Forensic Serologist I/Quality Assurance Manager

Supervise laboratory proficiency program; investigate analytical inconsistencies & make recommendations for corrective actions; prepare and test reagents for laboratory use and sales; test reagents and kits purchased from outside vendors; assist in conducting performance checks of laboratory equipment and instrumentation; examine, extract, quantify, and analyze DNA from case reference & evidence samples, write reports of analytical results; perform research and validation studies.

2010-2015 Assistant Forensic Serologist/Quality Assurance Manager

Supervise laboratory proficiency program; investigate analytical inconsistencies & make recommendations for corrective actions; prepare and test reagents for laboratory use and sales; test reagents and kits purchased from outside vendors; assist in conducting performance checks of laboratory equipment and instrumentation; examine, extract, quantify, and analyze DNA from case reference samples, perform research and validation studies.

2010-2010 ***Los Rios Community College District, Sacramento, CA***
 Adjunct Instructor of Chemistry
 Instruct students in lower division general chemistry laboratory courses, grade lab reports and quizzes.

2005-2008 ***California Department of Justice, Richmond, CA***
 Criminalist
 Extract, quantify, and analyze DNA from convicted offender samples, perform technical review, train new analysts.

2001-2005 ***Los Rios Community College District, Sacramento, CA***
 Adjunct Instructor of Chemistry
 Instruct students in lower division introductory & general chemistry laboratory & lecture courses, grade lab reports, exams, and quizzes, assign course grades.

1999-2001 ***Imperial Community College District, Imperial, CA***
 Instructor of Chemistry
 Instruct students in lower division introductory & general chemistry laboratory & lecture courses, grade lab reports, exams, and quizzes, assign course grades.

1995-1999 ***Riverside Community College District, Riverside, CA***
 Adjunct Instructor of Chemistry
 Instruct students in lower division introductory & general chemistry laboratory & lecture courses, grade lab reports, exams, and quizzes, assign course grades.

FORMAL TRAINING COURSES/WORKSHOPS

Coursework

Genes & Gene Expression	BIS101	Univ. of California, Davis	2005
Regulation of Cell Function	BIS104	Univ. of California, Davis	2005
Molecular Biology of Eukaryotic Cells	MCB121	Univ. of California, Davis	2007
Biochemistry	MCB115	Univ. of California, Berkeley	2005
Forensic Genetics Graduate Course	PHA6855	University of Florida	2016
Statistics	MAT12	Riverside Comm. College	1995

Training Courses

Statistics for DNA Databank Analysis	California Criminalistics Institute	2005
DNA Extraction and Quantification	California Criminalistics Institute	2005
Courtroom Presentation of Evidence	California Criminalistics Institute	2005
STR Typing and Analysis I	California Criminalistics Institute	2005
STR Typing and Analysis II	California Criminalistics Institute	2005
Intro to Non-Human DNA Analysis	California Criminalistics Institute	2007
Genetics: The Law and Society	California Criminalistics Institute	2007
Microscopy of Sexual Assault Evidence	California Criminalistics Institute	2007
Biological Fluid Identification	California Criminalistics Institute	2007
Clothing Examination	California Criminalistics Institute	2007
Population Genetics and Statistics	California Criminalistics Institute	2007
Quantification With Real Time qPCR	California Criminalistics Institute	2007
Crime Scene Investigation I	California Criminalistics Institute	2007
Casework Approach	California Criminalistics Institute	2008
Firearms Safety	California Criminalistics Institute	2008
Introduction to Ethics	Peter Barnett, Forensic Analytical	2012
ASCLD-LAB Internal Auditor	Anja Einseln, ASCLD/LAB	2015
Root Cause Analysis	Emma Dutton, ASCLD/LAB	2016

COURT TESTIMONY

Fresno County, California Superior Court	May 2016
San Diego County, California Superior Court	February 2017
Puerto Rico, Territory Superior Court	March 2017
Santa Barbara County, California Superior Court	August 2017
Washington, DC, District of Columbia Superior Court	September 2017
Santa Cruz County, California Superior Court	January 2018