**George Qinglin Day**

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**EDUCATION**

2012- 2015   University of California-Davis, Davis, California

  Master of Science in Forensic Science, 2015

2009- 2011     University of California-Los Angles (UCLA), LA, California

 Bachelor of Science in Biology, 2011

**COURSEWORK**

\*Biology \*Microbiology \*Evolutionary Biology

\*Environmental Biology \*DNA Analysis \*Next Generation Sequencing \*Body Fluid Analysis \*General/Organic Chemistry \*Biochemistry

\*Molecular Techniques \*Analysis of Toxicants \*Microscopy

\*Report Writing \*Physics \*Genetics

\*Plant Science

**TECHNICAL SKILLS**

\*DNA/RNA Isolation & Purification \*PCR   \*DNA/RNA Quantification \*DNA Analysis/Sequencing \*Centrifugation \*Chromatography

\*Sample Collection & Packaging \*Microscopy \*UV-Visible

\*PH Meter \*Titration \*Filtration

\*Distillations \*Buffer Preparations \*Dilution

\*Media Preparation \*qPCR \*Cell Culture

\*GC-MS \*Bacteria Transformation \*Floral Dip in Arabidopsis

\*Tabaco Infiltration \*Genotyping \*Restriction Enzyme Digestion

\*Plant Maintenance \*Plant Crossing

**COMPUTER SKILLS**

\*Microsoft Office \*Troubleshoot **\***VB Programing

\*Webpage Design \*Data Entry \*Database Management

**OTHER SKILLS**

\*Bilingual (Mandarin, English)

**RESEARCH EXPERIENCE**

2014-2015 Research Project

* Statistical comparison of the effectiveness of SNP and STR markers for determining the population structure in cynomolgus macaques. Software and techniques practiced includes: Structure, Arlquin, Fluidigm, Amova.

2013-2015 Research Project

* Study involves designing STR panel for Mariana Crow for identification and population studies. Techniques practiced includes: PCR optimization, DNA extraction, purification, quantification, amplification, sequencing and analysis; Maintaining equipment, stocks of buffers and reagents, and buffer preparation. Establishing and following SOPs.

**WORK EXPERIENCE**

2017-present Junior Specialist, UC Davis Plant Reproductive Building, Davis, CA

2016-2017 Junior Specialist, UC Davis Molecular & Cellular Bio, Davis, CA

* Assist researches on genetic and molecular factors that govern the development and evolution of ovules. Duty mainly includes mutant genotyping and phenotyping, plant transformation, sequence analyzing, and plant maintaining.

2016-2016 Junior Specialist, UC Davis Genome Center, Davis, CA

* Maintenance of a plant and pathogenic microorganism, inoculation of plants and evaluation of reactions to determine virulence phenotypes, harvesting of samples, DNA extraction, PCR amplification, various electrophoretic analytical methods, scoring of genetic markers, entry of data into databases, searches of databases, analysis of data, and contributing to writing reports.

2015-2016       Data management/Data entry, H.M. Clause, Davis, CA

* Data management/oversight, review of seed data of accuracy, creation/review of data management plans.
* Seed and fruit collection, sterilization, and cell culture.

2011-2012        Science Tutor, Premier Academy, LA, CA

* Personal one to one tutoring for high school students, on math, biology, physics, and chemistry.

2011 Data Quality Analyst, Star petition group, LA, CA

* Data entry and data accuracy check.

2010-2011        Office Assistant, UCLA Medical Center, LA, CA

* Data entry, sorting, scanning, filing and photocopying preoperative medical documents. Assisting doctors with pre-operative reports.