

KYLEEN ELWICK

555 Bowers Blvd. #1724, Huntsville, TX 77340

816-678-6687

kee019@shsu.edu

EDUCATION**Sam Houston State University**, Huntsville, TX

8/2014 - Present

Forensic Science Doctoral Candidate

GPA: 3.90

Expected Graduation: December 2018

Truman State University, Kirksville, MO

8/2010 - 5/2014

Bachelor of Arts in Biology

GPA: 3.25

Graduated: May 2014

PRESENTATIONS**3rd Human Identification Solutions (HIDS) Conference, Vienna, Austria, May 2017**

Worlds Converge: A New Approach to Analyzing CE and MPS-based STRs

3rd Human Identification Solutions (HIDS) Conference, Vienna, Austria, May 2017

NGM Detect-ing More from Skeletal Remains

QIAGEN Investigator Forum, Prague, April 2017

Alternate Methods for the Collection, Preservation, and Processing of DNA Samples from Decomposing Human Cadavers: A DVI Strategy

American Academy of Forensic Sciences, New Orleans, February 2017

Comparative Tolerance of Short Tandem Repeat and Massively Parallel Sequencing Chemistries to Inhibited Samples

Summit Forum of Forensic Technology and Applications, Foshan, Guangzhou, China, November 2016

HID & MPS for Post-blast Bomb Fragments and Highly Inhibited Samples

International Symposium on Human Identification, Minneapolis, September 2016

Comparative Tolerance of Short Tandem Repeat and Massively Parallel Sequencing Chemistries to Inhibited Samples

American Academy of Forensic Sciences, Las Vegas, February 2016

Optimization and Validation of the forensicGEM® Rapid Extraction Methods for High-Throughput Processing of Cotton Buccal Swabs

Maize Genetics Conference, Chicago, March 2013

Composition of nuclear mitochondrial DNA insertions on the short arm of chromosome 1 in B73

WORK EXPERIENCE**National Institute of Justice grant 2015-DN-BX-L066**

1/2016 - Present

Enhanced Sample Preparation and Data Interpretation Strategies for Massively Parallel Sequencing for Human Identification in Missing Persons and DVI Casework

- Compared the tolerance of STR and MPS sequencing chemistries to common PCR inhibitors
- Evaluating bone and tissue samples spiked with high amounts of inhibitor and extracted with various methods
- Worked with the Ion Torrent PGM and Ion Chef System
- Experience collecting decomposed tissue samples at the Southeast Texas Applied Forensic Science Facility (STAFS)
- Learned how to properly use a bone saw and cut bone samples

McNair Scholars Program Graduate Mentor

8/2015 - Present

- Conduct monthly meetings with 30 scholars to ensure they make progress in school and in research
- Prepare and conduct weekly workshops including: GRE Prep, Getting into Graduate School, Paying for Graduate School, How to Find Research Articles, and various other subjects
- Conduct summer workshops on public speaking and oral presentation skills

Armed Forces DNA Identification Laboratory

6/2015 - 8/2015

- Intern

KYLEEN ELWICK

555 Bowers Blvd. #1724, Huntsville, TX 77340

816-678-6687

kee019@shsu.edu

- Worked on forensicGEM Optimization and Validation
- Worked with 3130xl, 3500xl, QIAxcel, GeneAmp 9700, ABI Veriti
- Worked with PP16, Fusion, Yfiler, Identifiler, forensicGEM
- Performed control region sequencing for mtDNA

Truman State University Department of Public Safety, Kirksville, MO

8/2013 – 5/2014

Ticket Writer

- Wrote tickets to students/faculty for parking violations on campus

Admittance Personnel

- Locked and unlocked classrooms and offices for students/faculty for activities and organizational meetings
- Worked closely with officers on self-defense and office work

Truman State University Biology Department, Kirksville, MO

1/2012 – 5/2012

Undergraduate Teaching Assistant

- Graded tests, quizzes, and assignments
- Was available for any questions or help students needed to complete assignments
- Prepared lab equipment for student labs

Truman State University Biology Department, Kirksville, MO

8/2011 – 8/2011

Animal Lab Assistant

- Prepared and transferred animals to clean cages
- Maintained the well-being of the animals
- Cleaned and sanitized dirty cages

CONTINUING EDUCATION

SHSU Internal Review Board Citi Training – 1/2016

Southeast Texas Applied Science Center – Volunteer/ Sample Collection – 9/2015 – Present

NSC Certified Bloodborne and Airborne Pathogen Training – 9/2015

To Hell and Back: The Ethics of Stewardship and the Stewardship of Ethics – 9/2015

Certified OSHA Training – 8/2014

Certified Bloodborne Pathogen Training – 8/2014

Independent Research using bioinformatics to analyze maize – Researcher – 8/2012 – 8/2014

MEMBERSHIPS, HONORS, AND ACTIVITIES

International Society for Forensic Genetics – Member - 3/2017 – Present

American Academy of Forensic Sciences – Member – 2/2015 – Present

Society of Forensic Science – Sam Houston State University Chapter – Graduate Student Organization Coordinator – 12/2014 – 12/2015, Member – 9/2014 – Present

Sam Houston State University Saturdays at Sam – Volunteer – 11/2014, 4/2015, 11/2015, 4/2016, 11/2016

REFERENCES

Dr. Sarah Kerrigan, Ph.D.

Chair, Department of Forensic Science, Sam Houston State University
936-294-4286
sxx003@shsu.edu

Dr. Sheree Hughes-Stamm, Ph.D.

Professor, Department of Forensic Science, Sam Houston State University
936-294-4359
sxh039@shsu.edu

Dr. Chi Yu, Ph.D.

Professor, Department of Forensic Science, Sam Houston State University
936-294-4412
ccy002@shsu.edu

KYLEEN ELWICK

555 Bowers Blvd. #1724, Huntsville, TX 77340

816-678-6687

kee019@shsu.edu

Michelle Peck, MFS

FS3- Research Associate, Emerging Technologies Section, Armed Forces DNA Identification Laboratory

302-346-8519

michelle.a.peck3.ctr@mail.mil

Kimberly Sturk Andreaggi, MFS

Research Scientist, Emerging Technologies Section, Armed Forces DNA Identification Laboratory

302-346-8521

kimberly.s.andreaggi.ctr@mail.mil

Charla Marshall, Ph.D.

Chief, Emerging Technologies Section, Armed Forces DNA Identification Laboratory

302-346-8522

charla.k.marshall.ctr@mail.mil