

# ELIZABETH CHESNA

555 Bowers Blvd. Apt. 1425, Huntsville TX, 77340, United States

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## Education

<b>Sam Houston State University, Huntsville, TX</b>	<b>2014-Present</b>
<ul style="list-style-type: none"><li>• PhD in Forensic Science</li><li>• GPA: 3.93</li><li>• Expected Graduation: May 2019</li></ul>	
<b>Austin Community College, Austin, TX,</b>	<b>2013</b>
<ul style="list-style-type: none"><li>• EMT-B, Nationally and State of Texas certified</li></ul>	
<b>Concordia University Texas, Austin, TX</b>	<b>2009-2013</b>
<ul style="list-style-type: none"><li>• B.S. in Biology, Minor in Behavioral Sciences</li><li>• GPA: 3.59</li><li>• Graduated Cum Laude: May 2013</li></ul>	

## Work Experience

<b>Doctoral Teaching Fellowship, Sam Houston State University</b>	<b>Fall 2017 / Spring 2018</b>
<ul style="list-style-type: none"><li>• Taught undergraduate course FORS3366 Introduction to Forensic Science</li></ul>	
<b>Baylor College of Medicine</b>	<b>June 2017-Present</b>
<ul style="list-style-type: none"><li>• Collaborative research with Department of Psychiatry</li></ul>	
<b>Graduate Assistant, Sam Houston State University, Huntsville, TX</b>	<b>August 2016-Present</b>
<ul style="list-style-type: none"><li>• Aided in laboratory preparation, inventory, administrative duties, and troubleshooting instruments</li><li>• Teaching Assistant for Forensic Biology Lab</li></ul>	
<b>Internship- Austin Police Department, DNA Section</b>	<b>June 2015-August 2015</b>
<ul style="list-style-type: none"><li>• Validation of Quantifiler® Trio, PowerPlex Fusion, Genemapper® IDX, and STRmix</li><li>• Extractions on QIAcube (lysis and purification), quantitation on the 7500 with Quantifiler® Trio, amplification on the 9700 with PowerPlex® Fusion, and sample runs on 3130</li><li>• Set-up for quantification, amplification, and capillary electrophoresis using the QIAgility</li><li>• New QIAgility scripts plus normalization on the instrument</li><li>• Experience with Genemapper® IDX software</li></ul>	
<b>Concordia University Texas, Austin, TX</b>	<b>January 2012-May 2013</b>
<i>Academic Coach/Tutor</i>	
<ul style="list-style-type: none"><li>• Provided writing assistance for many of the English and research classes</li><li>• Tutored in mathematics, psychology, communications, physics, and biological sciences</li></ul>	
<i>Teacher Assistant</i>	<b>August 2012-May 2013</b>
<ul style="list-style-type: none"><li>• Graded papers and organized classwork</li></ul>	
<b>Babysitter/Nanny, Steiner Ranch, Austin, TX</b>	<b>September 2010-June 2014</b>
<ul style="list-style-type: none"><li>• Tutored and taught music theory to the children</li></ul>	
<b>McDonald's, Tinley Park, IL</b>	<b>February 2008-December 2011</b>
<ul style="list-style-type: none"><li>• Worked at the register, in drive through, and as a server</li><li>• Used teamwork and people skills in order to get things done on time and efficiently</li></ul>	

## Training

• Critical Incident Management Training	<b>2013</b>
• PHI Air Medical Landing Zone Safety Course	<b>2013</b>
• OSHA Bloodborne Pathogen Training	<b>2014</b>
• The Ethics of Stewardship and the Stewardship of Ethics	<b>2015</b>
• American Heart Association CPR for Healthcare Providers	<b>2013-Present</b>

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## Grants

- Co-Investigator for Enhancement Research Grant (Sam Houston State University)
  - “Influence of Regulation of Oxytocin on Social Behavior”. David Gangitano, PhD (Principal Investigator), Elizabeth Chesna, BS (Co-Principal Investigator)

## Presentations

- Elizabeth Chesna, BS, Charity Beherec, MS, Gabriella Cansino, MS, Peyton Gandy, MS, Jessica Wells, MS, Danielle Boisvert, PhD, Todd Armstrong, PhD, Sheree Hughes-Stamm, PhD, and David Gangitano, PhD. “Variation in Genes Affecting Dopamine Turnover, Oxytocin, and Serotonin in Inmate and Student Populations.” American Academy of Forensic Sciences, Seattle, Washington, February 2018
- Elizabeth Chesna, BS, Charity Beherec, MS, Gabriella Cansino, MS, Peyton Gandy, MS, Jessica Wells, MS, Danielle Boisvert, PhD, Todd Armstrong, PhD, Sheree Hughes-Stamm, PhD, and David Gangitano, PhD. “Relationship of Oxytocin (OXT) and the Serotonin Transporter (5-HTT) Single Nucleotide Polymorphisms and Antisocial Behavior.” Association of Forensic DNA Analysts and Administrators, Austin, Texas, July 2017
- Elizabeth Chesna, BS, Charity Beherec, MS, Gabriella Cansino, MS, Peyton Gandy, MS, Jessica Wells, MS, Danielle Boisvert, PhD, Todd Armstrong, PhD, Sheree Hughes-Stamm, PhD, and David Gangitano, PhD. “Relationship of Oxytocin (OXT) and the Serotonin Transporter (5-HTT) Single Nucleotide Polymorphisms and Antisocial Behavior.” American Academy of Forensic Sciences, New Orleans, Louisiana, February 2017

## Posters

- Elizabeth Chesna, BS, Gabriella Cansino, MS, Peyton Gandy, MS, Jessica Wells, MS, Danielle Boisvert, PhD, Todd Armstrong, PhD, Sheree Hughes-Stamm, PhD, and David Gangitano, PhD. “Application of Massive Parallel Sequencing in Forensic Psychiatry and Behavioral Science Using Custom Panels including Markers Linked to Human Behavioral Traits,” International Symposium on Human Identification. Minneapolis, Minnesota, September 2016
- Elizabeth Chesna, BS, Gabriella Cansino, MS, Peyton Gandy, MS, Jessica Wells, MS, Danielle Boisvert, PhD, Todd Armstrong, PhD, Sheree Hughes-Stamm, PhD, and David Gangitano, PhD. “Genetic Study of Single Nucleotide Polymorphisms (SNPs) in the Oxytocin Receptor (OXTR),” American Academy of Forensic Science, Las Vegas, Nevada, February 2016
- Elizabeth Chesna, Bao Tran Nguyen, Whitney Holdbrook, Donna Janes. “Effects of low level hand sanitizer exposure on bacterial biofilm resistance,” Texas Undergraduate Research at the Capitol, Austin, Texas, April 2013

## Honors/Activities

### Sam Houston State University

- Previous President and Vice President of the Society of Forensic Science Graduate School Organization
- Student affiliate of the American Academy of Forensic Sciences
- Speaker on behalf of the Forensic Science Program to all incoming students for the College of Criminal Justice
- Volunteer for Saturdays at Sam

### Concordia University Texas

- Volunteered to help rebuild a house damaged by the Texas fires on the show *Extreme Makeover: Home Edition*
- Served on a Disciplinary Hearing Committee and a Disciplinary Appeals Committee

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- Senator of Commuters and for the College of Science in Student Government and Leadership Association
- Observed medical procedures under an oral and maxillofacial surgeon at Kasper, Heaton, Wright, Pagni and Associates
- Attended the Get Motivated Leadership Conference
- Served on a focus group with Noel Levitz National Higher Education Consulting Firm
- Volunteered at the Volunteer Health Clinic and Austin Humane Society
- Served as Public Relations Officer for both the Biology Club and Recycling Club
- Volunteered for the University's Field Day proctoring exams for young aspiring students
- Wrapped and donated gifts for the Operation Christmas Child Charity