

David A. Gangitano
Assistant Professor
College of Criminal Justice
Sam Houston State University

Degrees Earned

Ph.D. in Toxicology and Forensic Medicine. University of Buenos Aires, Argentina (2004)

B.Sc., Chemistry. University of Buenos Aires, Argentina (1992)

Professional Licensure and Certifications

Certified Biochemistry Analyst. Health Department. Buenos Aires City. Argentina. 1992.

Certified Chemist. Chemistry Professional Council. Buenos Aires. Argentina. 1991

Peer-Review Publications and Artistic Performances/Exhibitions

Articles

- 1) D. A. Gangitano, M. G. Garófalo, G. J. Juvenal, B. Budowle, R. A. Padula. Typing of the locus DYS19 from DNA derived from fingernail clippings using PCR Concert Rapid purification System. *J. Forensic Sci.* 47(1): 175-177. 2002.
- 2) M. Viaggi, M. A. Dagrosa, C. Belli, I. Larripa, D. A. Gangitano, R. Cabrini, M. A. Pisarev, G. J. Juvenal. A new animal model for human undifferentiated thyroid carcinoma. *Thyroid.* 13(6):529-36. 2003
- 3) N. Salas, G. T. Somogyi, J. N. Rocha, D. A. Gangitano, T. B. Boone, and C. P. Smith. Receptor activated bladder and spinal ATP release in neurally intact and chronic spinal cord injured rats. *Neurochem Int.* 2007 Jan;50(2):345-50.
- 4) R. Salas, A. Main, D. A. Gangitano, M. De Biasi. Decreased withdrawal symptoms but normal tolerance to nicotine in mice null for the alpha 7 nicotinic acetylcholine receptor subunit. *Neuropharmacology.* 2007 Dec;53(7):863-9.
- 5) Smith CP, Gangitano DA, Munoz A, Salas NA, Boone TB, Aoki KR, Francis J, Somogyi GT. Botulinum toxin type A normalizes alterations in urothelial ATP and NO release induced by chronic spinal cord injury. *Neurochem Int.* 2008 May;52(6):1068-75.
- 6) R. Salas, A. Main, D. A. Gangitano, H. Soreq, M. De Biasi. Chronic nicotine relieves anxiety-like behavior in transgenic mice carrying the human acetylcholinesterase-R gene. *Mol Pharmacol.* 2008 Dec;74(6):1641-8.
- 7) Gangitano D, Salas R, Teng Y, Perez E, De Biasi M. Progesterone modulation of alpha5 nAChR subunits influences anxiety-related behavior during estrus cycle. *Genes Brain Behav.* 2009 Jun;8(4):398-406.
- 8) Luce C, Montpetit S, Gangitano D, O'Donnell P. Validation of the AMPFISTR MiniFiler PCR amplification kit for use in forensic casework. *J Forensic Sci.* 2009 Sep;54(5):1046-54.
- 9) Bucheli SR, Bytheway JA, Gangitano DA. Necrophagous Caterpillars Provide Human mtDNA Evidence. *J Forensic Sci.* 2010 Jul;55(4):1130-2.
- 10) Munoz A, Gangitano DA, Smith CP, Boone TB, Somogyi GT. Removal of urothelium affects bladder contractility and release of ATP but not release of NO in rat urinary bladder. *BMC Urol.* 2010 May 24;10:10

Books

N/A

Chapters

N/A

Proceedings

- 1) "Validation of the AmpFISTR® Minifiler™ PCR Amplification Kit and its Application to Identify Human Remains from a 1992 Helicopter Crash Analyzed by the San Diego Police Department Crime Lab". Coral Luce, Shawn Montpetit, David Gangitano, and Patrick O'Donnell. Poster presentation. AAFS, Washington February 2008.
- 2) "Molecular Palynology Study in Central East Texas: A New Approach to Linking Crime Scenes". Jamie Jouett B.S., David Gangitano Ph.D. Poster presentation. AAFS, Denver February 2009.
- 3): "Comparative Study on Stability of DNA in Vitreous Humor, Cartilage, Tendons, and Nails for use as Alternative Sample Tissues in the DNA Identification of Decomposed Cadavers". Mario Galioto, B.S.; David Gangitano, Ph.D. Poster presentation. AAFS, Seattle February 2010.
- 4) "Pollen DNA: A New Tool for Forensic Investigations". Jennifer Sycalik, B.S.; David Gangitano, Ph.D. Poster presentation. AAFS, Seattle February 2010.
- 5) "Study on SNPs relating to ethnicity and hair/eye pigmentation in a population of Huntsville, TX". Breanna K. Mead, BS and David A. Gangitano, PhD. AAFS, Seattle February 2010.
- 6) "Application of mini-STRs to Low-Copy Number DNA Samples". Nicole Paes, BS and David Gangitano, PhD. AAFS, Seattle February 2010.

Artistic Performances

N/A

Artistic Exhibitions

N/A

Research Monographs and Technical Reports

N/A

Funded External Grants

NIJ/FSF Student Research Grant 2009. "Pollen DNA: A New Tool for Forensic Investigations". Jennifer Sycalik BS, and David Gangitano, PhD

Peer-Review Presentations/Posters

- 1) "Validation of the AmpFISTR® Minifiler™ PCR Amplification Kit and its Application to Identify Human Remains from a 1992 Helicopter Crash Analyzed by the San Diego Police Department Crime Lab". Coral Luce, Shawn Montpetit, David Gangitano, and Patrick O'Donnell. Poster presentation. AAFS, Washington February 2008.
- 2) "Molecular Palynology Study in Central East Texas: A New Approach to Linking Crime Scenes". Jamie Jouett B.S., David Gangitano Ph.D. Poster presentation. AAFS, Denver February 2009.
- 3): "Comparative Study on Stability of DNA in Vitreous Humor, Cartilage, Tendons, and Nails for use as Alternative Sample Tissues in the DNA Identification of Decomposed Cadavers". Mario Galioto, B.S.; David Gangitano, Ph.D. Poster presentation. AAFS, Seattle February 2010.
- 4) "Pollen DNA: A New Tool for Forensic Investigations". Jennifer Sycalik, B.S.; David Gangitano, Ph.D. Poster presentation. AAFS, Seattle February 2010.

5) "Study on SNPs relating to ethnicity and hair/eye pigmentation in a population of Huntsville, TX". Breanna K. Mead, BS and David A. Gangitano, PhD. AAFS, Seattle February 2010.

6) "Application of mini-STRs to Low-Copy Number DNA Samples". Nicole Paes, BS and David Gangitano, PhD. AAFS, Seattle February 2010.

5) "Study on SNPs relating to ethnicity and hair/eye pigmentation in a population of Huntsville, TX". Breanna K. Mead, BS and David A. Gangitano, PhD. AAFS, Seattle February 2010.

6) "Application of mini-STRs to Low-Copy Number DNA Samples". Nicole Paes, BS and David Gangitano, PhD. AAFS, Seattle February 2010.

Work or Professional Experiences

2007 – Present, Assistant Professor, Forensic Science Program, College of Criminal Justice, Sam Houston State University, Huntsville, TX

2008 – 2009, Adjunct Assistant Professor of Urology, Baylor College of Medicine-Houston, TX

2005 – 2007, Research Associate, Scott Department of Urology, Baylor College of Medicine-Houston, TX

2003 - 2005, Post-doctoral Associate, Department of Neuroscience, Baylor College of Medicine-Houston, TX

1993 - 2003, Forensic Scientist. Federal Police/Atomic Energy Commission-Buenos Aires, Argentina

Honors and Awards

N/A

Other Competencies

Ibero-American Working Group on DNA Analysis (GITAD), Founding member. 1998

American Academy of Forensic Sciences. Trainee affiliate since 2008.