

David A. Gangitano  
Assistant Professor  
Forensic Science Program (FEPAC Accredited)  
College of Criminal Justice

### Degrees Earned

Ph.D. in Toxicology and Forensic Medicine. University of Buenos Aires, Argentina, 2004  
B.S. in 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

R.A. Padula, D. A. Gangitano, G. J. Juvenal, B. Budowle. *Allele frequency in the population of Buenos Aires (Argentina) using PM-DQA1*. J. Forensic Sci. 44:1320. 1999.\*

D. A. Gangitano, G. J. Juvenal, J. A. Lorente, B. Budowle, R. A. Padula. *Population Data on Eight STR loci in Buenos Aires (Argentina)*. J. Forensic Sci. 46:183. 2001\*

D. A. Gangitano, M. G. Garófalo, G. J. Juvenal, B. Budowle, R. A. Padula. *Distribution of HumHPRTB and HumF13A01 Alleles in Buenos Aires Population (Argentina)*. J. Forensic Sci. 46(2):138. 2001.\*

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.

D. A. Gangitano, M. G. Garófalo, G. J. Juvenal, B. Budowle, J. A. Lorente, R. A. Padula. *STR data for the PowerPlex® 16 loci in Buenos Aires (Argentina)*. J. Forensic Sci. 47(2):418. 2002.\*

M. Viaggi, M. A. Dargosa, 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

M. G. Garofalo, D. A. Gangitano, G. J. Juvenal, B. Budowle, J. A. Lorente, R. A. Padula. *Six Y-Chromosome STR Frequencies in a population from Argentina*. J. Forensic Sci. 48(2). 2003\*

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*. Neurochemistry International. Oct 24. 2006

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

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.

Salas R, Main A, Gangitano DA, Zimmerman G, Ben-Ari S, Soreq H, De Biasi M. *Nicotine relieves anxiogenic-like behavior in Acetylcholinesterase-R overexpressing mice but not in wild-type mice*. *Mol Pharmacol*. 2008 Dec;74(6):1641-8.

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.

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.

Bucheli S, Bytheway J and Gangitano D. *Necrophagous caterpillars provide human mtDNA evidence*. *J Forensic Sci*. accepted June 2009

#### **Books**

N/A

#### **Chapters**

N/A

#### **Proceedings**

Jamie Jouett B.S. and David Gangitano Ph.D. "Molecular Palynology Study in Central East Texas: A New Approach to Linking Crime Scenes". Proceedings of the 61<sup>st</sup> American Academy of Forensic Sciences meeting. pp. 184. Denver. February 2009.

Coral Luce B.S., Shawn Montpetit M.S. David Gangitano, Ph.D. and Patrick O'Donnell Ph.D. "Validation of the AMPFISTR MiniFiler PCR amplification kit and its Application to Identify Human Remains From a 1992 Helicopter Crash at the San Diego Police Department Crime Laboratory". Proceedings of the 60<sup>th</sup> American Academy of Forensic Sciences meeting. Washington DC. February 2008.

#### **Artistic Performances**

N/A

#### **Artistic Exhibitions**

N/A

## **Research Monographs and Technical Reports**

N/A

## **Funded External Grants**

NIJ/FSF student research grant: "Pollen DNA: A New Tool for Forensic Investigations". Jennifer Sycalik, B.S.; David Gangitano, Ph.D. 31st July 2009. Amount requested: 3700\$

## **Peer-Review Presentations/Posters**

Jamie Jouett B.S. and David Gangitano Ph.D. "Molecular Palynology Study in Central East Texas: A New Approach to Linking Crime Scenes". American Academy of Forensic Sciences meeting. Denver. February 2009.

Coral Luce B.S., Shawn Montpetit M.S. David Gangitano, Ph.D. and Patrick O'Donnell Ph.D. "Validation of the AMPFISTR MiniFiler PCR amplification kit and its Application to Identify Human Remains From a 1992 Helicopter Crash at the San Diego Police Department Crime Laboratory". American Academy of Forensic Sciences meeting. Washington DC. February 2008.

## **Work or Professional Experiences**

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

2008 – Present, *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.