

SAM HOUSTON STATE UNIVERSITY MSFS PUBLICATIONS

Students in the MSFS Program contribute to the knowledge base of forensic science and produce research directed at improving the practice of forensic science.

Students demonstrate the integration of knowledge, skills and abilities through independent research and scholarly inquiry.

2013

Sarah Kerrigan, Monica Brady Mellon and Paige Hinnners. **Detection of Phenazepam in Impaired Driving.** Journal of Analytical Toxicology, in press (2013).

Barry K. Logan, Kayla J. Lowrie, Jennifer L. Turri, Jillian Yeakel, Jennifer F. Limoges, Amy Miles, Colleen E. Scarneo, Sarah Kerrigan, Laurel J. Farrell. **Recommendations for Toxicological Investigation of Drug Impaired Driving and Motor Vehicle Fatalities.** Journal of Analytical Toxicology, in press (2013).

Darrel Stein and Jorn Yu. **The use of near-infrared photography to image fired bullets and cartridge cases.** Journal of Forensic Science, (in press) 2013.

PA Nosedá, J Kenline, S Manning and DA Gangitano. **Population data for DXS6800, DXS101 and DXS8377 loci from Buenos Aires (Argentina).** J Forensic Leg Med. 2013 Jul;20(5):522-4.

Sarah Sims BS, Chris Heartsill BS, and Elizabeth Todd PhD. **A Proposed Means for the Detection and Quantification of Bath Salts from Blood.** American Academy of Forensic Sciences Annual Meeting, Feb 2013, Washington DC.

Cassandra Campelli BS, Jennifer Sycalik BS, Christopher Randle PhD, Craig Echt PhD, Bruce Budowle PhD, David Gangitano PhD. **Using *Pinus* STR Profiling to Discriminate Pollen Sources at the Regional Level: A Potential Tool for Forensic Investigations.** American Academy of Forensic Sciences Annual Meeting, Feb 2013, Washington DC.

Sarah Bahlmann BS, Ashleigh Faris MS, Sibyl Bucheli PhD, David Gangitano PhD. **A Molecular Approach: Species Composition of the Maggot Mass in Human Cadavers in the Pineywoods Ecoregion of Southeastern Texas.** American Academy of Forensic Sciences Annual Meeting, Feb 2013, Washington DC.

Paige Hinnners, BS, Monica Brady Mellon MS, and Sarah Kerrigan, PhD. **Phenazepam Impairment: A Case Report.** American Academy of Forensic Sciences Annual Meeting, Feb 2013, Washington DC.

2012

Sarah Martin, MS* and Sarah Kerrigan, PhD. **Analysis of Psychedelic Phenethylamines in Blood by LC/MS/MS.** Society of Forensic Toxicologists Annual Meeting, Jul 2012, Boston, MA.

Kayla Ellefsen, MS* and Sarah Kerrigan, Ph.D. **Detection of Beta-Keto Amphetamines in Urine by GC/MS.** Society of Forensic Toxicologists Annual Meeting, Jul 2012, Boston, MA.

MacKenzie Willis, MS* and Sarah Kerrigan Ph.D. **Determination of Endogenous Concentrations of GHB in Human Hair by LCMSMS.** Society of Forensic Toxicologists Annual Meeting, Jul 2012, Boston, MA.

Yu, J.C.C.; Martin S.; Nasr J.; Stafford K.; Thompson D.; Petrikovics I. **LC-MS/MS analysis of 2-aminothiazoline-4-carboxylic acid as a forensic biomarker for cyanide poisoning.** World J Methodol. 2012, 2(5): 33-41.

Petrikovics, I.; Yu, J.C.C.; Thompson, D.; Jayanna, P.; Logue, B.; Nasr, J.; Bhandar, R.; Baskin, S.; Rockwood, G. **Plasma Persistence of 2-Aminothiazoline-4-Carboxylic Acid in Rat System Determined by Liquid Chromatography Tandem Mass Spectrometry.** Journal of Chromatography B 2012, 891-892, 81–84.

Petrikovics, I.; Wales, M.; Budai, M.; Yu, J.C.C.; Szilasi, M. **Nano-Intercalated Organophosphorus Hydrolyzing Enzymes in Organophosphorus Antagonis.** AAPS PharmSciTech 2012, 13(1), 112-117.

Patricia A. Contreras, Stephen S. Houck, William M. Davis, Jorn C.C. Yu. **Pyrolysis Products of Linear Alkylbenzenes - Implications in Fire Debris Analysis.** Journal of Forensic Science, Article first published online: 18 May 2012, DOI: 10.1111/j.1556-4029.2012.02194.x

JA Aitkenhead-Peterson, CG Owings, MB Alexander, N Larison, JA Bytheway. **Mapping the extent of human cadaver decomposition islands with soil chemistry.** For Sci Int 216(1-3):127-34 (2012).

Ripley A, NC Larison, KE Moss, JD Kelly, JA Bytheway. **Scavenging Behavior of Lynx rufus on Human Remains during the Winter Months of Southeast Texas.** J Forensic Sci. 57(3):699-705 (2012).

Jaclyn B. Kenline, BS*; Lauren G. Bouse, MSFS; Pablo A. Nosedá, BS; David A. Gangitano, PhD. **Comparison of Genetic Markers and Developmental Validation of the Multicopy LINE-1 Marker for Use in a Sensitive Real-Time Quantification Method.** American Academy of Forensic Sciences Annual Meeting, Feb 2012, Atlanta, GA.

Yuanwei Gao, BS*; Seongshin Gwak, BS; Jorn C.C. Yu, PhD. **Preparation of Molecularly Imprinted Monolithic Polymers as the Stationary Phase for Liquid Chromatography.** American Academy of Forensic Sciences Annual Meeting, Feb 2012, Atlanta, GA.

Nicole M. Harre, MS; Ashley J. Pipkin, BS*; Jorn C.C. Yu, PhD; Colin C. Anderson, MS. **Extraction of Methamphetamine from Postmortem Blood Samples by Molecularly Imprinted Polymers for Selective Solid Phase Extraction.** American Academy of Forensic Sciences Annual Meeting, Feb, 2012 Atlanta, GA.

Ashleigh M. Faris, BS*; Sibyl Bucheli, PhD; David A. Gangitano, PhD. **Species Composition of the Maggot Mass.** American Academy of Forensic Sciences Annual Meeting, Feb 2012, Atlanta, GA.

Joan A. Bytheway, PhD*; Angela Rippley, BS; Ashleigh Gallaway, BS*. **Stages of Decomposition of Human Remains in a Subtropical Humid Environment.** American Academy of Forensic Sciences Annual Meeting, Feb 2012, Atlanta, GA.

Kayla N. Ellefsen, BSc*; MacKenzie L. Willis, BS; Ayodele A. Collins, MS; James A. Bourland, PhD; Ronald C. Backer, PhD. **Evaluation of the Immunalysis Tapentadol Enzyme Immunoassay Kit.** American Academy of Forensic Sciences Annual Meeting, Feb 2012, Atlanta, GA.

MacKenzie L. Willis, BS*; Kayla N. Ellefsen, BSc; Ayodele A. Collins, MS; James A. Bourland, PhD; Ronald C. Backer, PhD. **Validation and Comparison of the Microgenics and Immunalysis Buprenorphine EIA Kits.** American Academy of Forensic Sciences Annual Meeting, Feb 2012, Atlanta, GA.

Eduardo Padilla, BS; Sarah E. Martin, BS*. **Method Development and Validation for the Detection of Cannabinoids in Blood Using LC/MS/MS.** American Academy of Forensic Sciences Annual Meeting, Feb 2012, Atlanta, GA.

Danielle A. Dela Cruz, BS*; Chris Heartsill, BS; Jorn C.C. Yu, PhD. **A Comparison of Alprazolam Levels in Blood and Urine.** American Academy of Forensic Sciences Annual Meeting, Feb 2012, Atlanta, GA.

Steve A. Noser, BS*; Ashleigh Gallaway, BS*; Angela Rippley, BS; Kevin R. Derr; Joe Trevino III; Joan A. Bytheway, PhD. **Estimation of the Postmortem Interval of Human Remains in a Subtropical Humid Environment Using Accumulated Degree-Days and Total Body Scoring.** American Academy of Forensic Sciences Annual Meeting, Feb 2012, Atlanta, GA.

2011

Petrikovics I, Thompson DE, Rockwood GA, Logue BA, Martin S, Jayanna P, Yu JCC. **Organ-distribution of the metabolite 2-aminothiazoline-4-carboxylic acid in a rat model following cyanide exposure.** Biomarkers, Dec 2011; 16(8):686-690.

Sarah Kerrigan, Stephanie Banuelos, Laura Perrella and Brittany Hardy. **Simultaneous Detection of Ten Psychedelic Phenethylamines in Urine by Gas Chromatography-Mass Spectrometry.** Journal of Analytical Toxicology, 35:1-8 (Sept 2011).

Sarah Kerrigan, Monica Brady-Mellon, Stephanie Banuelos and Crystal Arndt. **Evaluation of Commercial Enzyme Linked Immunosorbent Assays to Identify Psychedelic Phenethylamines.** Journal of Analytical Toxicology, 35: 10-21 (Sept 2011).

S.R. Hughes-Stamm, K.A. Ashton, A. van Daal. **Assessment of DNA Degradation and the Genotyping Success of Highly Degraded Samples.** International Journal of Legal Medicine. 125(3):341-8 (2011).

Lindgren NK, J Kelly, AD Archambeault, S Bucheli, JA Bytheway. **Exclusion of forensically important flies due to burying behavior by the red imported fire ant (*Solenopsis invicta*) in southeast Texas.** For Sci Int. 204(1-3):e1-3 (2011).

Mallory Foster, BS* and Jorn Chi Chung Yu, PhD., and Darrell Stein. **The Use of Infrared Imaging to Facilitate Fired Cartridge Case and Bullet Comparisons.** American Academy of Forensic Sciences Annual Meeting, Feb 2011, Chicago, IL.

Sarah Martin*, BS; J. Nasr; Jorn Chi Chung Yu, PhD; and Ilona Petrikovics, PhD. **Study of L-2-Aminothiazoline-4-Carboxylic Acid as a Biomarker for Cyanide Poisoning by LC-MS/MS Analysis.** American Academy of Forensic Sciences Annual Meeting, Feb 2011, Chicago, IL.

Lyndsi J. Ayers, MS* and Sarah Kerrigan, Ph.D. **Quantitative Analysis of Salvinorin A (*Salvia*) in Blood.** American Academy of Forensic Sciences Annual Meeting, Feb, 2011, Chicago, IL.

Francisco I. Ortiz, BS*, Jeffrey P. Walterscheid, PhD, Terry J. Danielson, PhD, DABFT, and Ashraf Mozayani, PhD, DABFT. **Toxicological Analysis of Synthetic Cannabinomimetic “Spice” Drugs.** American Academy of Forensic Sciences Annual Meeting, Feb 2011, Chicago, IL.

Kristina A. Scott, BS*; and David A. Gangitano, PhD. **Application of a Handheld Vacuum-Filter Device for Differential Sperm Separation.** American Academy of Forensic Sciences Annual Meeting, Feb 2011, Chicago, IL.

Shahida K. Flores, BS*; and David A. Gangitano, PhD. **Collection of Touch DNA by a Handheld Vacuum Device.** American Academy of Forensic Sciences Annual Meeting, Feb 2011, Chicago, IL.

Laura L. Perrella, BS*, and Jordan L. Williams, BS, Andrew McWhorter, MFS, and Jennifer Watson, MS. **Optimizing Sperm Cell Recovery from Cotton Swabs prior to Christmas Tree Staining and p30 Test.** American Academy of Forensic Sciences Annual Meeting, Feb 2011, Chicago, IL.

Jordan L. Williams, BS*, and Laura L. Perrella, BS, Andrew P. McWhorter, MFS, and Jennifer Watson, MS. **Optimization of Touch DNA Collection.** American Academy of Forensic Sciences Annual Meeting, Feb 2011, Chicago, IL.

Francisco I. Ortiz, BS*, Breanna Jatzlau, MS, Ashley Mullings, MS, Kelsie Bryand, M.S. and, Sarah Kerrigan, PhD. **Simultaneous Detection of Psychedelic Amphetamines in Urine By LC/MS/MS.** American Academy of Forensic Sciences Annual Meeting, Feb 2011, Chicago, IL.

Seongshin Gwak, B.S.*, Ayodele Collins¹, M.S., Cade Park¹, B.S., Scot Chester¹, B.S. and James Bourland¹, Ph.D. **Prevalence of Norhydrocodone in Authentic Hydrocodone Urine Specimens.** American Academy of Forensic Sciences Annual Meeting, Feb 2011, Chicago, IL.

Emily Young*, B.S., Ayodele Collins¹, M.S. and James Bourland¹, PhD. **Evaluation of Enzymatic Hydrolysis Efficiency for Buprenorphine Analysis.** American Academy of Forensic Sciences Annual Meeting, Feb, 2011, Chicago, IL.

Brittney C. Gonzalez B.S.*, Pablo A. Nosedá B.S., David A. Gangitano Ph.D. **STR Data for Three Closely Linked X-Chromosomal Markers in an**

Argentinean Population. American Academy of Forensic Sciences Annual Meeting, Feb 2011, Chicago, IL.

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Bucheli SR, Bytheway JA, Gangitano DA. **Necrophagous Caterpillars Provide Human mtDNA Evidence.** J Forensic Sci. 2010 Jul;55(4):1130-2.

J C.C. Yu, E. P.C. Lai. **Molecularly Imprinted Polymers for Ochratoxin A Extraction and Analysis.** Toxins (Jun 2010) 2(6), 1536-1553.

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Ridhima Rao and Sarah Kerrigan. **Determination of Salvinorin A in Urine by GC/MS.** California Association of Toxicologists Meeting, May 2010, Sacramento, CA.

Randy Jackson, Ilona Petrikovics, E. P. C. Lai, Jorn Chi Chung. Yu. **Molecularly imprinted polymer stir bar sorption extraction and electrospray ionization tandem mass spectrometry for determination of 2-aminothiazoline-4-carboxylic acid as a marker for cyanide exposure in forensic urine analysis,** Analytical Methods, 2010 May;2:552-557.

Phillip Stout, Kelsie Simons and Sarah Kerrigan. **Quantitative Analysis of Gamma-Hydroxybutyrate (GHB) at Endogenous Concentrations in Hair using Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS).** Journal of Forensic Sciences, 2010 Mar; 55 (2), 531-537.

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Jorn C.C. Yu, Ilona Petrickovics, Randy Jackson, Katelyn Stafford, **Analytical Method Development for Determining the Biomarker Cyanide Metabolite 2-Aminothiazoline-4-Carboxylic Acid in Mice Liver After Cyanide Exposure,** The Society of Toxicology Annual Meeting, Mar 2010, Salt Lake City, UT.

Rebecca G Girardet, MD, Kelly Bolton, RN, William B Arnold, Breanna K Mead, Nicole Paes, Sheela Lahoti, MD, Reena Isaac, MD, Angelo Giardino, MD. **The Collection of Forensic Evidence from Prepubescent Victims of Sexual Assault.** American Academy of Forensic Sciences Annual Meeting, Feb 2010, Seattle, WA.

Mario Galioto, BS*, Diana Morales, MS, and Cassie Carradine, MS. **Internal Validation of an Automated Extraction Robot.** American Academy of Forensic Sciences Annual Meeting, Feb 2010, Seattle, WA.

Breanna K. Mead* (BS) and Dr. David A. Gangitano. **Study on SNPs Relating to Ethnicity and Hair/Eye Pigmentation in a Population of Texas.** American Academy of Forensic Sciences Annual Meeting, Feb 2010, Seattle, WA.

Mario Galioto, BS*; David Gangitano, PhD; and Joan Bytheway, PhD. **Comparative Study on Stability of DNA in Alternative Sample Tissues for use in the Identification of Decomposed Cadavers.** American Academy of Forensic Sciences Annual Meeting, Feb 2010, Seattle, WA.

Jennifer Sycalik, BS, David Gangitano, PhD. **Pollen DNA: A New Tool for Forensic Investigations.** American Academy of Forensic Sciences Annual Meeting, Feb 2010, Seattle, WA.

Nicole Paes, BS, David Gangitano, PhD. **Application of mini-STRs to Low Copy Number DNA Samples.** American Academy of Forensic Sciences Annual Meeting, Feb, 2010, Seattle, WA.

Harry R. Ehmann, **The Forensic Assessment of HID (Xenon) Headlights: Determining Energization State and Identifying Illegal Vehicle Modifications,** American Academy of Forensic Science, Feb 2010, Seattle, WA.

Katelyn Stafford, Randy Jackson, Kelsie Simons, Jorn C.C. Yu, Ilona Petrickovics, **Analytical Method Development for Determining the Biomarker, 2-Aminothiazoline-4-Carboxylic Acid (ATCA), in Mice Liver After Cyanide Exposure,** American Academy of Forensic Science, Feb, 2010, Seattle, WA.

Jeffrey D. Kelly, Jorn C.C. Yu, **Analysis of Non-Toxic Ammunition by Double Shot Pyrolysis Gas Chromatography/Mass Spectroscopy (DY-PY GC/ MS)**, American Academy of Forensic Science, Feb 2010, Seattle, WA.

Sarah Kerrigan. **The Use of Alcohol to Facilitate Sexual Assault.** Forensic Science Review 22(1), 16-32 (Jan 2010).

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J.C.C. Yu, E.P.C. Lai, **Molecularly imprinted polymer nanomaterials for mycotoxin extraction**, in American Chemical Society - Mycotoxin Prevention and Control in Agriculture Symposium Series, (Dec 2009) Vol. 1031, Chapter 19, 277–292.

Katelyn Stafford, Randy Jackson, Jorn C.C Yu, Ilona Petrikovics, **Analytical Method Development for Determining the Biomarker, 2-Aminothiazoline-4-Carboxylic Acid (ATCA), in Mice Liver After Cyanide Exposure**, The 65th Southwest Regional Meeting of the American Chemical Society, Nov 2009, El Paso, TX.

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.

R. Ehmman, J. C.C. Yu, **Determination of Energization State of Xenon High Intensity Discharge Automobile Headlights**, Forensic Science Journal, (Sept 2009) 8:13-28.

Delisa Downey and Sarah Kerrigan. **Quantitative Analysis of Carisoprodol and Meprobamate in Whole Blood Using Benzylcarbamate and Deuterated Meprobamate as Internal Standards.** Journal of Analytical Toxicology, 33(5), 278-282 (Jun 2009).

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Chelsy Wingate, B.S.*, Michelle Parras-Layton, M.S., Scot Chester, B.S., Cade Park, B.S., Israel Reyes, B.S., and James Bourland, PhD. **Validation of Opiate Detection and Quantification in Human Urine Using Liquid Chromatography and Tandem Mass Spectrometry (LC/MS/MS).** American Academy of Forensic Sciences Annual Meeting, Feb 2009, Denver, CO.

Jamie Jouett B.S., David Gangitano Ph.D. **Molecular Palynology Study in Central East Texas: A New Approach to Linking Crime Scenes.** American Academy of Forensic Sciences Annual Meeting, Feb 2009, Denver, CO.

Jamie L. Jouett, BS*. **A Simple Liquid–Liquid Extraction of Carisoprodol and the Metabolite Meprobamate From Suspected Blood and Urine DUI Specimens for GC/MS Analysis.** American Academy of Forensic Sciences Annual Meeting, Feb 2009, Denver, CO.

Jennifer M. Hogue, BA*; Lauren Marinetti, PhD. **GC/MS Method Development for the Quantitation of Quetiapine in Various Biological Specimens.** American Academy of Forensic Sciences Annual Meeting, Feb 2009, Denver, CO.

Ridhima D. Rao, BS*; Dan T. Anderson, MS. **Postmortem Analysis of Buprenorphine/Norbuprenorphine From Whole Blood by GC/MS.** American Academy of Forensic Sciences Annual Meeting, Feb 2009, Denver, CO.

Ann M. Gordon, MA*; Preston J. Wong, BS; Nikolas P. Lemos, PhD. **PCP and Drug Impaired Driving in San Francisco, California.** American Academy of Forensic Sciences Annual Meeting, Feb 2009, Denver, CO.

Nikolas P. Lemos, PhD*; Ann M. Gordon, MA; Preston J. Wong, BS. **Driving Under the Influence of Methamphetamine in the City & County of San Francisco, California.** American Academy of Forensic Sciences Annual Meeting, Feb 2009, Denver, CO.

Ashraf Mozayani, PhD, PharmD; William M. Davis, PhD*; Luis A. Sanchez, MD; Colin C. Anderson, BS, **Brake Pad Friction Particles: SEM-EDX Analysis and Comparisons to Gunshot Residue.** American Academy of Forensic Sciences Annual Meeting, Feb 2009, Denver, CO.

Jessica Ayala, Kelsie Simons and Sarah Kerrigan. **Quantitative Determination of Caffeine and Alcohol in Energy Drinks and the Potential to Produce Positive Transdermal Alcohol Concentrations in Human Subjects.** Journal of Analytical Toxicology 33 (1), 27-33 (Jan 2009).

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Preston J. Wong, Sarah Kerrigan, Jon J. Smith, Ellen Moffatt, Ann Marie Gordon and Nikolas P. Lemos. **Muscle: An Alternative Post-Mortem Specimen for Drug Screening by Enzyme Linked Immunosorbent Assay**, Society of Forensic Toxicologists Annual Meeting, Oct, 2008, Phoenix, AZ.

Sara Winslett, Jorn C.C. Yu. **A Hollow Fiber Assisted Ionic Liquid Surface for Stir Bar Sorptive Extraction.** The 64th Southwest Regional Meeting of the American Chemical Society, Oct, 2008, Little Rock, AR.

Rebeca Reyna, Brittany Gonzalez, and Jorn C. C. Yu. **Discovery of Molecular Markers for Gunshot Residues by Solid Phase Micro Extraction- Gas Chromatography/Nitrogen Phosphorous Detector (SPME-GC/NPD).** The 64th Southwest Regional Meeting of the American Chemical Society, Oct, 2008, Little Rock, AR.

James Spurlin III, Patricia Chapela, Ilona Petrikovics, Jorn Chi Chung Yu. **Encapsulation Efficiency of Organophosphorous Hydrolase in Lecithin Liposomes as Determined by Capillary Electrophoresis.** The 64th Southwest Regional Meeting of the American Chemical Society, Oct, 2008, Little Rock, AR.

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Garrett Burleson and Jorn C. C. Yu. **Forensic Analysis of Single Gun Powder Particle by SPME-GC/NPD (Solid Phase Micro-Extraction – Gas Chromatography/Nitrogen Phosphorus Detector, 235th American**

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Ayodele Collins, Joseph Monforte, Ying Cheng, Ronald Backer and Sarah Kerrigan. **A Stability Study on Ritalinic Acid in Urine**, American Academy of Forensic Sciences Annual Meeting, Feb 2008, Washington DC.

Shannon Gross and Jorn C.C. Yu. **Probing Single Strand DNA Using Bioconjugated Quantum Dots**, American Academy of Forensic Sciences Annual Meeting, Feb 2008, Washington DC.

Coral Luce, Shawn Montpetit, David Gangitano and Patrick O'Donnell. **Validation of the AmpFISTR® MiniFiler™ PCR Amplification Kit and its Application to Identify Human Remains from a 1992 Helicopter Crashed Analyzed by the San Diego Police Department Crime Laboratory**, American Academy of Forensic Sciences Annual Meeting, Feb 2008, Washington DC.

Shamah Lloyd, Shannon Gross, Jorn .C.C. Yu. **Functionalization of Nanocrystals for Latent Fingerprint Development**, American Academy of Forensic Sciences Annual Meeting, Feb, 2008, Washington DC.

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.

J.C.C. Yu, E.P.C. Lai, **Determination of ochratoxin A in red wines by multiple pulsed elutions from molecularly imprinted polypyrrole**, *Food Chemistry*, (Nov 2007) 105, 1: 301-310.

J. C.C. Yu, S. Gross. **A Novel Capillary Electrophoresis Immunoassay for Ochratoxin Detection Using Molecular Probe of Quantum Dot Bioconjugate**, The 63rd Southwest Regional Meeting of the American Chemical Society, Nov 2007, Lubbock, TX.

S. Gross, J. C.C. Yu. **Carbodiimide-Mediated Reaction with Self-Assembly Nano-Structured Quantum Dots for Latent Fingerprint Development**, The 63rd Southwest Regional Meeting of the American Chemical Society, Nov 2007, Lubbock, TX.

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Laurel Farrell, Sarah Kerrigan and Barry Logan. **Recommendations for Toxicological Investigation of Drug Impaired Driving**, Journal of Forensic Sciences 52(5), 1-5 (Sept 2007).

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Shamah Lloyd, Shannon Gross, Jorn .C.C. Yu. **Latent Fingerprint Development Using Functional Quantum Dots**, The 92nd International Association of Identification Annual Meeting, July 2007, San Diego, CA.

Anna Leggett, Sharla McCloskey, Rachael Malfer and Sarah Kerrigan. **Driving Behavior and Impairment Symptoms in Cannabinoid Positive Subjects Arrested for Driving Under the Influence of Drugs (DUID)**. American Academy of Forensic Sciences Annual Meeting, Feb 2007, San Antonio, TX.

Sharla McCloskey, Anna Leggett, Rachael Malfer, and Sarah Kerrigan. **Driving Under the Influence of Methamphetamine: Comparison of Driving Behavior and Impairment Symptoms in Subjects Arrested for Driving While Intoxicated (DWI)**. American Academy of Forensic Sciences Annual Meeting, Feb 2007, San Antonio, TX.

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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.