

AMELIA A. ROMOSER, PH.D

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EMPLOYMENT

<u>Postdoctoral Research Associate</u> Advisor: Dr. Timothy Phillips, Texas A&M University <i>Prevention of Dietary Toxin Bioavailability and Gastrointestinal Inflammation</i>	March 2012-Present
<u>Editorial Assistant</u> Taylor & Francis, Oxfordshire, UK <i>Food Additives & Contaminants</i>	September 2014-Present

EDUCATION

<u>Doctorate of Philosophy in Toxicology</u> Mentors: Drs. Christie Sayes and Michael Criscitiello, Texas A&M University <i>Cytotoxicological Responses to Engineered Nanomaterials</i>	2008-2012
<u>Bachelor of Science in Bioenvironmental Sciences</u> Texas A&M University, College Station, TX <i>Summa Cum Laude</i>	2006-2008

PROFESSIONAL SERVICE AND MEMBERSHIP

Society of Toxicology

Co-chair, SOT Regional Interest Group Session <i>"Environmental, Dietary, and Biological Risk Factors Impacting Liver Cancer Incidence in Texas"</i>	2013
Postdoctoral Representative, Lone Star Regional Chapter	2012-Present
Senior Graduate Student Representative, Gulf Coast Regional Chapter	2010-2012
Student Representative, SOT Programming Subcommittee	2011-2012
Peer Mentor, SOT Undergraduate Education Program	2010-2011
Member, SOT Nanotoxicology Specialty Section	2009-2013
Member, SOT National and Lone Star Regional Chapter	2008-Present

Texas A&M University

Vice-President, College of Veterinary Medicine Graduate Student Association	2009-2010
Student Research Week Oral Competition Judge	2012

TEACHING EXPERIENCE

Texas A&M University

Co-Instructor, VIBS 404H/619 Food Toxicology <i>Assist with material development and lecturing for a food toxicology course (graduate and honors undergraduate level)</i>	2013-Present
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Teaching Assistant, VIBS 404 Food Toxicology

2009-2010

Assisted with the development and teaching of an undergraduate food toxicology course consisting of 150 students

Undergraduate Mentor

2008-2010

Served as a mentor to undergraduate students participating in the National Institute of Biomedical Imaging and Bioengineering and National Science Foundation Summer Institutes Program

HONORS AND AWARDS

- Best Publication, Society of Toxicology Nanotoxicology Specialty Section, 2013
- Texas A&M College of Veterinary Medicine Postdoctoral Research Trainee Grant, 2012
- Texas A&M University Association of Former Students Distinguished Graduate Student Award, 2012
- Texas A&M University CVM High Impact Achievement Award, 2012
- Women in Science and Engineering Ethel Ashworth-Tsutsui Memorial Award for Excellence in Research, 2011
- Gulf Coast/South Central Society of Toxicology Regional Meeting, platform competition winner, 2011
- Texas A&M University Student Research Week, 1st in poster competition, co-author, 2011
- Texas A&M University College of Veterinary Medicine Annual Symposium, platform competition winner, 2011
- Association of Former Students and the Office of Graduate Studies Graduate Student Research and Presentation Grant, 2011
- College of Veterinary Medicine Auxiliary Award, 2010
- Texas A&M University College of Veterinary Medicine Graduate Student Scholarship, 2009, 2010
- Graduate Student Association Travel Award, 2010, 2011, 2012
- Texas Aggie Grad Scholarship, 2009
- Texas A&M Regents Fellowship, 2008-2009

RESEARCH PUBLICATIONS

- Zychowski, KE, SE Elmore, KA Rychlik, HJ Ly, F Pierezan, A Isaiah, JS Suchodolski, A Rodrigues Hoffmann, **AA Romoser**, TD Phillips. (2014) "Mitigation of Colitis with NovaSil Clay Therapy." Dig. Dis. Sci. In Proof. doi: 10.1007/s10620-014-3360-7
- Mitchell, NJ, J Kumi, M Aleser, SE Elmore, KA Rychlik, KE Zychowski, **AA Romoser**, TD Phillips, N-A Ankrah. (2014) "Short Term Safety and Efficacy of Calcium Montmorillonite Clay (UPSN) in Children." J. Trop Med Hyg. doi: 10.4269/ajtmh.14-0093
- Mitchell, NJ, KS Xue, S Lin, A Marroquin-Cardona, KA Brown, SE Elmore, L Tang, **A Romoser**, WCA Gelderblom, J-S Wang, and TD Phillips. (2013) "Calcium montmorillonite clay reduces AFB1 and FB1 biomarkers in rats exposed to single and co-exposures of aflatoxin and fumonisin." Journal of Applied Toxicology. doi: 10.1002/jat.2942.
- **Romoser, A**, A Marroquin-Cardona, TD Phillips. (2013) "Managing risks associated with feeding aflatoxin contaminated feed." Proceedings of the 22nd Tri-State Dairy Nutrition Conference, Fort Wayne, Indiana, USA, 23-24 April 2013. p. 35-50.

- Zychowski, KE, A Rodrigues Hoffmann, HJ Ly, C Pohlenz, A Buentello, **A Romoser**, DM Gatlin and TD Phillips. (2013) "The Effect of Aflatoxin-B1 on Red Drum (*Sciaenops ocellatus*) and Assessment of Dietary Supplementation of NovaSil for the Prevention of Aflatoxicosis." *Toxins*, 5(9): 1555-1573.
- Elmore, SE N Mitchell, T Mays, K Brown, A Marroquin-Cardona, **A Romoser**, and TD Phillips. (2013) "Common African cooking processes do not affect the aflatoxin binding efficacy of refined calcium montmorillonite clay." *Food Control*. doi: 10.1016/j.foodcont.2013.08.037.
- Mitchell, NJ, A Marroquin-Cardona, **A Romoser**, TD Phillips, and AW Hayes. (2013) "Mycotoxins". *Encyclopedia of Human Biology*, 3rd Edition. Eds. M Simon and J Abelson. Elsevier: Oxford. In press.
- Taylor, JF, A Robinson, NJ Mitchell, A Marroquin-Cardona, N Johnson, SE Elmore, **A Romoser**, and TD Phillips. (2013) "In Vivo Efficacy of Ferrihydrite as an Enterosorbent for Arsenic: Short Term Evaluation in Rodents." *Journal of Toxicology and Environmental Health*, 76(3):167-175.
- Zychowski, KE, C Pohlenz, T Mays, **A Romoser**, M Hume, A Buentello, DM Gatlin III, and TD Phillips. (2013) "Effects of Dietary NovaSil on Aflatoxin B₁-Exposed Nile Tilapia (*Oreochromis niloticus*)." *Aquaculture*, 376-379: 117-123.
- **Romoser, A**, M Criscitiello, and C Sayes (2013) "Engineered Nanomaterials Induce DNA Damage in Primary Human Skin Cells, Even at Low Doses." *NanoLIFE*, DOI: 10.1142/S1793984414400017.
- Berg, JM, **A Romoser**, D Figueroa, and CM Sayes. (2012) "Comparative Cytotoxicological Responses of Lung Epithelial and Pleural Mesothelial Cells Following *In Vitro* Exposure to Nanoscale SiO₂". *Toxicology In Vitro*, 27(1):24-33.
- Brown, KA, T Mays, **A Romoser**, A Marroquin-Cardona, NJ Mitchell, SE Elmore and TD Phillips. (2012) "Modified Hydra Bioassay to Evaluate the Toxicity of Multiple Mycotoxins and Predict the Detoxification Efficacy of a Clay-Based Sorbent." *Journal of Applied Toxicology*, Epub ahead of print, PMID: 23047854.
- **Romoser, A**, PL Chen, JM Berg, C Seabury, I Ivanov, MF Criscitiello, and CM Sayes. (2011) "Quantum Dots Trigger Immunomodulation of the NF-κB Pathway in Human Skin Cells". *Molecular Immunology*, 48: 1349-1359.
- **Romoser, A**, D Ritter, R Majitha, K Meissner, M McShane, CM Sayes. (2011) "Mitigation of Quantum Dot Cytotoxicity by Microencapsulation." *PLoS ONE* 6(7): e22079.
- **Romoser, A**, D Figueroa, A Sooresh, K Scribner, P Chen, W Porter, M Criscitiello, and C Sayes (2012) "Distinct Immunomodulatory Effects of a Panel of Nanomaterials in Human Dermal Fibroblasts." *Toxicology Letters*, 210: 293-301.
- Sayes CM, **A Romoser**, N Banerjee. (2010) "The Role of Oxidative Stress in Nanotoxicology". *Handbook of Systems Toxicology*. Eds. Sahu and Casciano. UK: John Wiley & Sons, Ltd, pp 835-846.
- Berg JM, **A Romoser**, N Banerjee, R Zebda, and CM Sayes. (2009) "The Relationship Between pH and Zeta Potential of ~30 nm Metal Oxide Nanoparticle Suspensions Relevant to *In Vitro* Toxicological Evaluations". *Nanotoxicology*, 3(4): 276-283.