Curriculum Vitae

Melanie S. Trapani, Ph.D.

Education

Ph.D.	University of Texas Health Science Graduate School of Biomedical Sciences Human & Molecular Genetics	1999
B.S.	Baylor University Biology	1992

Professional Experience

1. Associate Laboratory Director, Production Manager and DNA Technical Leader-Autosomal STRs, Orchid Cellmark, Dallas, TX, May 2009 to present.

2. Associate Laboratory Director and Production Manager, Orchid Cellmark, Dallas, TX, January 2008 to May 2009.

3. Assistant Director, Forensic Laboratory Manager and Analyst IV, ReliaGene Technologies, New Orleans, LA, 2005 to 2008.

4. Assistant Professor and William R. Acquavella Scholar, Columbia University, New York, NY 2001 to 2005.

5. Postdoctoral Fellow and Patient Coordinator for the Laboratory for Molecular Diagnosis of Inherited Eye Diseases, Human Genetics Center, University of Texas Health Science Center at Houston, Houston, TX, 1999 to 2001.

6. Graduate Research Assistant, Graduate School of Biomedical Sciences, University of Texas Health Science Center at Houston, Houston, TX, 1994 to 1999.

7. Graduate Teaching Assistant, Baylor University, Waco, TX, 1992 to 1994.

Level of Training Completed

Doctoral Laboratory Director since 2005.

Forensic Laboratory Experience	Qualified
• Biological screening	2005
• Non-Differential Extraction	2005
• Differential Extraction	2005
• Quantifiler/ RT-PCR	2005
• Profiler Plus/ COFiler Amplification	2005
• Identifiler Amplification	2005
• 3100 Load Pro/Co, Identifiler	2005
• GeneMapper Pro/Co, Identifiler 1st & 2nd Analysis	2005
• Administrative Review	2005
• Technical Review	2005
• YFiler Amplification	2006
• YFiler 3100 Load	2006
• Genotyper, Pro/Co, Identifiler, YFiler 1st & 2nd Analysis	2006
• GeneMapper YFiler 1st & 2nd Analysis	2007

Professional Associations

Associate Member, American Academy of Forensic Sciences (Criminalistics).

Forensic Testing

Cases evaluated: more than 2500

Trials: Qualified and/or testified as an Expert in the following jurisdictions
(Unless otherwise noted, testimony entailed autosomal DNA testing):

1. Clayton Co. Judicial Circuit, Superior Court, GA, 8/23/2006, (Serology)
2. Paulding Co. Superior Court, GA, 12/13/2006, (Serology)
3. Spaulding Co. Superior Court, GA, 1/23/2007, (Serology)
4. Meriweather Co. Superior Court, GA, 4/11/2007, (Serology)
5. State of Michigan Criminal Court, MI, 8/6/2007
6. State of Michigan Criminal Court, MI, 11/6/2007
7. Cobb Co., Superior Court, GA, 3/6/2008 (Serology)
8. State of Michigan Criminal Court, MI, 5/7/2008 (1)
9. State of Michigan Criminal Court, MI, 5/7/2008 (2)
10. Orange Co. Circuit Court, FL, 9/3/2008
11. Orange Co. Circuit Court, FL, 10/21/2008
12. State of Michigan Criminal Court, MI, 1/22/2009
13. Los Angeles Co., Criminal Court, CA, 4/3/2009
14. State of Michigan Criminal Court, MI, 4/8/2009
15. Escambia Co., Circuit Court, FL, 4/22/2009
16. Escambia Co., Circuit Court, FL, 5/1/2009
17. Los Angeles Co., Superior Court, CA, 6/9/2009

18. Los Angeles Co., Criminal Court, CA, 7/1/2009
19. Los Angeles Co, Superior Court, CA, 7/21/2009
20. Los Angeles Co., Superior Court, CA 10/5/2009
21. Holmes Co., Criminal Court, MS 10/15/2009
22. Volusia Co., Circuit Court, FL 10/30/2009
23. Los Angeles Co., Superior Court, CA, 11/10/2009
24. Hampden Co., Superior Court, MA, 1/6/2010
25. Genesee Co., Circuit Court, MI, 1/12/2010
26. Dallas Co., Judicial District Court, TX, 3/12/2010
27. Washington Co., Circuit Court, MS, 4/8/2010
28. Los Angeles Co., Superior Court, CA, 5/5/2010
29. Genesee Co., Circuit Court, MI, 8/20/2010
30. Collin Co., District Court, TX, 9/16/2010 (Autosomal & YSTRs)
31. Jefferson Co., Criminal Court, TX, 9/29/2010
32. Los Angeles Co., Superior Court, CA, 11/18/2010
33. Los Angeles Co., Superior Court, CA, 4/12/2011
34. Yakima Co., Superior Court, WA, 4/14/2011
35. Los Angeles Co., Superior Court, CA, 5/4/2011
36. Orange Co., Circuit Court, FL, 9/13/2011
37. Norfolk Co., Superior Court, MA, 11/12/2012
38. Orange Co., Circuit Court, FL, 12/20/2012

Honors and Professional Activities

1. First Place, 14th annual Graduate Student Poster Session, University of Texas Health Science Center, Graduate School of Biomedical Sciences, Houston, 1996.
2. UT-LINK Student Committee, 1997.
3. NIH-NEI predoctoral vision training grant EY07024, 1997 to 1999.
4. Outreach to Houston Public Elementary School Science Classes, 1998 to 2001.
5. First Place, John W. Trolinger Writing Competition, "Ethics in a competitive world", 1999.
6. NIH-NEI Travel Fellowship grant, Association for Research in Vision and Ophthalmology (ARVO) annual meeting, 2000.
7. First place presentation, postdoctoral division, 27th Annual Texas Genetics Society Meeting, 2000.
8. Guest Editorial Board Member, *Invest Ophthalmol Vis Sci*, 2001 to 2002.
9. Nominee, 2002 Foundation Award of the E. Matilda Ziegler Foundation for the Blind.
10. Honorary Mr. & Mrs. Howard Hirsch fellow, Foundation Fighting Blindness, 2002 to 2005.
11. Travel Award recipient, Xth International Symposium on Retinal Degeneration, 2002.
12. Thesis mentor and sponsor, Valley Stream North High School (Long Island) advanced science student, 2004 to 2005.
13. *Ad hoc* scientific review panel member, Foundation Fighting Blindness, 2002 to 2003.
14. Member, Department of Ophthalmology Research & Facilities Strategic Planning Committee, 2001 to 2005.
15. Member, Department of Ophthalmology Education Strategic Planning Committee, 2001 to 2005.
16. *Ad hoc* scientific review panel member, Science Foundation Ireland, 2003.

Patent(s)

"Diagnosis and treatment of retinal diseases associated with human AIPL1"
Inventors: M.M. Sohocki and S.P. Daiger, 2001

Publications

1. G Luo, C Hoffman, AJJ Bronckers, **MM Sohocki**, A Bradley, and G Karsenty. 1995. BMP7 is an inducer of nephrogenesis, and is also required for eye development and skeletal patterning. *Genes & Develop* **9**: 2808-20.
2. RJ Leach, SS Banga,...**MM Sohocki**, *et al.* 1996. Report of the third international workshop on human chromosome 8 mapping. *Cytogenet Cell Genet* **75**: 71-84.
3. **MM Sohocki**, LS Sullivan, WR Harrison, EJ Sodergren, FFB. Elder, Weinstock, S Tanase, and SP Daiger. 1997. Human glutamate pyruvate transaminase (GPT): Localization to 8q24.3, cDNA and genomic sequences, and polymorphic sites. *Genomics* **40**: 247-252.
4. **MM Sohocki**, LS Sullivan, HA Mintz-Hittner, K Small, RE Ferrell, and SP Daiger. 1997. Exclusion of atypical vitelliform macular dystrophy (VMD1) from 8q24.3 and from other known macular degenerative loci. *Am J Hum Gen* **61**: 239-241.
5. SP Daiger, RE McGuire, LS Sullivan, **MM Sohocki**, SH Blanton, P Humphries, ED Green, H Mintz-Hittner, and JR Heckenlively. 1997. Progress in positional cloning of RP10 (7q31.1), RP1 (8q11-q21) and VMD1 (8q24). In "Degenerative Retinal Diseases", M LaVail, JG Hollyfield, RE Anderson, Eds, Plenum Publishing Co., pp 277-289.
6. **MM Sohocki**, LS Sullivan, HA Mintz-Hittner, D Birch, JR Heckenlively, CL Freund, RR McInnes and SP Daiger. 1998. A range of clinical phenotypes associated with mutations in CRX, a phototranscription-factor gene. *Am J Hum Gen* **63**: 1307-1315.
7. **MM Sohocki**, KA Malone, LS Sullivan, and SP Daiger. 1998. Localization of retina/pineal-specific expressed sequences (ESTs): Identification of novel candidate genes for inherited retinal disorders. *Genomics* **58**: 29-33.
8. K Malone, **M Sohocki**, L Sullivan, S Daiger. 1999. Identifying and mapping novel retinal-expressed ESTs from humans. *Mol Vis* **5**: 5.
9. SJ Bowne, SP Daiger, MW Hims, **MM Sohocki**, KA Malone, AB McKie, JR Heckenlively, DG Birch, CF Inglehearn, SS Bhattacharya, A Bird, and LS Sullivan. 1999. Mutations in the RP1 gene causing autosomal dominant retinitis pigmentosa. *Hum Mol Genet* **8**: 2121-2128.
10. R Tzekov, **MM Sohocki**, SP Daiger, and D Birch. 2000. Visual phenotype in patients with Arg41Gln and Ala196+1 bp mutations in the CRX gene. *Ophthal Genet* **21**: 88-99.
11. **MM Sohocki**, SJ Bowne, LS Sullivan, S Blackshaw, CL Cepko, AM Payne, SS Bhattacharya, S Khaliq, SQ Mehdi, DG Birch, WR Harrison, FFB Elder, JR Heckenlivey and SP Daiger. 2000. Mutations in a novel photoreceptor-pineal gene on 17p cause Leber congenital amaurosis (LCA4). *Nat Genet* **24**: 79-83.
12. **MM Sohocki**, I Perrault, BP Leroy, AM Payne, S Dharmaraj, SS Bhattacharya, J Kaplan, IH Maumenee, R Koonekoop, FM Meire, DG Birch, JR Heckenlively, and SP Daiger. 2000. Mutations in the *AIPL1* gene causing Leber congenital amaurosis. *Mol Genet Metab* **70**: 142-150.

13. **MM Sohocki**, SP Daiger, SJ Bowne, JA Rodriguez, H Northrup, JR Heckenlively, Birch DG, HA Mintz-Hittner, RS Ruiz, RA Lewis, DA Saperstein, and LS Sullivan. 2001. Prevalence of mutations causing retinitis pigmentosa and other inherited retinopathies. *Hum Mutat* **17**: 42-51.
14. R Tzekov, **MM Sohocki**, D Zack, S Daiger, C Pack, J Heckenlively, and D Birch. 2001. Autosomal dominant retinal degeneration and bone loss is associated with a 12bp deletion in the CRX Gene. *Invest Ophthalmol Vis Sci* **42**: 1319-1327.
15. **MM Sohocki**, LS Sullivan, DL Tirpak, and SP Daiger. 2001. Comparative sequencing of *Aipl1*, a gene associated with inherited retinal degeneration in humans. *Mamm Genome* **12**: 566-568.
16. **MM Sohocki**, DL Tirpak, CM Craft, SP Daiger. 2001. Functional analysis of AIPL1, a novel photoreceptor-pineal-specific protein causing Leber congenital amaurosis and other retinopathies. In "New Insights into Retinal Degenerative Diseases", RE Anderson, MM LaVail, JG Hollyfield, Eds, Kluwer/ Plenum Publishers, pp 37-44.
17. KF Damji, **MM Sohocki**, R Khan, SK Gupta, M Rahim, M Loyer, N Hussein, N Karim, SS Ladak, A Jamal, D Bulman, RK Koenekoop. 2001. Leber congenital amaurosis with anterior keratoconus in Pakistani families is caused by the Trp278X mutation in the *AIPL1* gene on 17p. *Can J Ophthalmol* **36**: 252-259.
18. JJC Van Lith-Verhoeven, SD Van de Velde-Visser, **MM Sohocki**, AF Deutman, HPM Brink, FPM Cremers, and CB Hoyng. 2002. Clinical characterization, linkage analysis, and PRPC8 mutation analysis of a family with autosomal dominant retinitis pigmentosa type RP13 (RP13). *Opthalmol Genet* **23**: 1-12.
19. DT Akey, X Zhu, M Dyer, A Li, A Sorensen, T Fukuda-Kamitani, SP Daiger, C Craft, T Kamitani, **MM Sohocki**. 2002. The cell cycle regulation protein, NUB1, interacts with AIPL1, a protein associated with inherited blindness. *Hum Molec Genet* **11**: 2723-2733.
20. DT Akey, X Zhu, M Dyer, A Li, A Sorensen, T Fukuda-Kamitani, SP Daiger, C Craft, T Kamitani, **MM Sohocki**. 2003. Functional studies of AIPL1: *Potential role of AIPL1 in cell cycle exit and/or differentiation of photoreceptors.* In "New Insights into Retinal Degenerative Diseases", RE Anderson, MM LaVail, JG Hollyfield, Eds, Kluwer/ Plenum Publishers, pp 287-295.
21. K Kanaya, **MM Sohocki**, and T Kamitani. 2004. Abolished interaction of NUB1 with mutant AIPL1 involved in Leber congenital amaurosis. *Biochem Biophys Res Commun* 317: 768-773.
22. S Dharmaraj, BP Leroy, **MM Sohocki**, I Perrault, K Anwar, S Khaliq, D Birch, N Izquierdo, M Ismail, AM Payne, RK Koenekoop, GE Holder, SS Bhattacharya, AC Bird, J Kaplan, IH Maumenee. 2004. Phenotype of Leber congenital amaurosis in patients with AIPL1 mutations. *Arch Ophthalmol* 122: 1029-37.
23. EC Deery, SE Wilkie, VA Gallon, RJ Newbold, **MM Sohocki**, SS Bhattacharya, DM Hunt, and MJ Warren. 2004. Intracellular localization of aryl-hydrocarbon interacting protein-like 1 (AIPL1) and effects of mutations associated with inherited retinal dystrophies. *Biochimica et Biophysica Acta*1690:141-9.
24. MA Dyer, S Donovan, J. Zhang, J. Gray, A Ortiz, R Tenney, J Kong, R Allikmets, and **MM Sohocki**. 2004. Retinal degeneration in *Aipl1* deficient mice: a new genetic model of Leber congenital amaurosis. *Mol Brain Res* 132: pp. 208-220.
25. K Bevington, A Ortiz, RM Tenney, and **MM Sohocki**. 2004. Pinealocyte expression of retinopathy genes: a role in circadian rhythm abnormalities? *Molecular Vision.*

Published Abstracts

1. **MM Sohocki** and WK Hartberg. 1993. Molecular Evolution of *Aedes albopictus*, a Review. *Proc 1993 Texas Mosquito Control Assoc Ann Mtg.*
2. **MM Sohocki**, LS Sullivan, WR Harrison, FFB Elder, S Tanase, and SP Daiger. 1996. Molecular characterization and localization of the human glutamate pyruvate transaminase (GPT) locus. *Proc Texas Genet Soc* **23**: 12.
3. **MM Sohocki**, LS Sullivan, WR Harrison, FFB Elder, S Tanase, SP Daiger. 1996. Molecular characterization and chromosomal localization to 8q24 of the human glutamate pyruvate transaminase (GPT) locus. *Am. J Hum Genet* **59**: A407.
4. SP Daiger, LS Sullivan, **MM Sohocki**, G Weinstock, EJ Sodergren. 1996. Linkage testing, physical mapping, and low-pass cosmid sequencing for positional cloning of genes on human chromosome 8q causing retinal degeneration. Third international workshop on chromosome 8, San Antonio. *Cytogenet Cell Genet* **75**: 71-84.
5. **MM Sohocki**, LS Sullivan, E J Sodergren, G Weinstock, and SP Daiger. 1996. Analysis of the candidate region, 8q24.3, for atypical vitelliform macular dystrophy (VMD1). Third international workshop on chromosome 8, San Antonio. *Cytogenet Cell Genet* **75**: 71-84.
6. **MM Sohocki**, LS Sullivan, HA Mintz-Hittner, WR Harrison, FFB Elder, SP Daiger. 1997. Characterization of human glutamate pyruvate transaminase (GPT) and exclusion of atypical vitelliform macular dystrophy (VMD1) from the GPT region of 8q24. *Proc Texas Genet Soc* **24**: 15.
7. **MM Sohocki**, LS Sullivan, HA Mintz-Hittner, RE Ferrell, and SP Daiger. 1997. Exclusion of atypical vitelliform macular dystrophy (VMD1) from 8q24 and from other known loci for autosomal dominant macular degeneration. *Invest Ophthalmol Vis Sci* **38**: S794
8. **MM Sohocki**, LS Sullivan, HA Mintz-Hittner, and SP Daiger. 1997. Identification of candidate genes involved in the autosomal dominant cone-rod dystrophy (CORD2) locus which maps to 19q13.1. *Am J Hum Genet* **61**: A295.
9. **MM Sohocki**, LS Sullivan, H Mintz-Hittner, RR McInnes, and SP Daiger. 1998. Cone-rod dystrophy in a large Texas family with an E80A mutation in CRX, a photoreceptor-specific homeobox gene. *Invest Ophthalmol Vis Sci* **39**: S293.
10. R Tzekov, **MM Sohocki**, SP Daiger, K Locke, D Birch. 1998. Electroretinographic findings in patients with CRX mutations. *ISCEV (Clinical Electrophysiology).*
11. LS Sullivan, J Zuo, J Treadway, **MM Sohocki**, AR Carr, JR Heckenlively, and SP Daiger. 1998. Comparative mapping of the syntenic regions of human chromosome 8cen-8q12 and mouse chromosomes 1, 4, and 8 for positional cloning of RP1, Rd4 and nr. *Am J Hum Genet* **63**: A259.
12. **MM Sohocki**, KA Malone, LS Sullivan, and SP Daiger. 1998. Identification and mapping of novel candidate genes for inherited retinal disorders. *Am J Hum Genet* **63**: A396.
13. SP Daiger, LS Sullivan, **MM Sohocki**, SJ Bowne, KA Malone, and JR Heckenlively.
14. 1998. Positional candidate cloning of genes causing autosomal dominant retinitis pigmentosa (adRP). *Invest Ophthalmol Vis Sci* **40**: S3172.
15. SJ Bowne, SP Daiger, MM Hims, **MM Sohocki**, KA Malone, AB McKie, JR Heckenlively, DG Birch, CF Inglehearn, SS Bhattacharya, A Bird, and LS Sullivan. 1999. Mutations in the RP1 gene causing autosomal dominant retinitis pigmentosa. *Am J Hum Genet* **65**: A286.
16. **MM Sohocki**, S Blackshaw, CL Cepko, LS Sullivan, and SP Daiger. 1999. Human aryl-hydrocarbon interacting protein-like 1 gene (AIPL1), a candidate for inherited retinal disorders: mapping to 17p13, characterization and mutation testing. *Am J Hum Genet* **65**: A112.
17. **MM Sohocki**, SJ. Bowne, LS Sullivan, S Blackshaw, CL Cepko, AM Payne, SS Bhattacharya, S Khaliq, SQ Mehdi, DG Birch, WR Harrison, FFB Elder, JR Heckenlively, and SP Daiger. 2000.

18. **MM Sohocki**, I Perrault, AM Payne, J Kaplan, SS Bhattacharya, DG Birch, JR Heckenlively, and SP Daiger. 2000. Mutations in *AIPL1*, a novel photoreceptor/pineal-expressed gene on 17p13, cause Leber congenital amaurosis (LCA4). *Invest Ophthalmol Vis Sci* **41**: S94.
19. KW Small, S Yelchits, K Forsman, S Sheikhavandi, A Shirvanian, RN Udar, PR Vyas, **MM Sohocki**, and SP Daiger. 2000. Physical mapping of the CORD5 locus on human chromosome 17p. *Invest Ophthalmol Vis Sci* **41**: S195.
20. JA Aragon-Martin, BP Leroy, QC Prescott, **MM Sohocki**, SP Daiger, AC Bird, FM Miere, AM Payne, and SS Bhattacharya. 2000. Analysis of the *AIPL1* gene in Belgian and British patients with Leber congenital amaurosis. *Invest Ophthalmol Vis Sci* **41**: S196.
21. DL Tirpak, **MM Sohocki**, CM Craft, SP Daiger. 2000. Molecular studies of AIPL1, a gene causing Leber congenital amaurosis. *Am J Hum Genet* **67**: 411.
22. **MM Sohocki**, DL Tirpak, SP Daiger. 2000. Comparative sequencing of aryl-hydrocarbon interacting protein-like 1 (AIPL1), a protein associated with Leber congenital amaurosis. *Am J Hum Genet* **67**: 388.
23. KF Damji, **MM Sohocki**, R Khan, SK Gupta, M Rahim, M Loyer, N Hussein, N Karim, S Ladak, A Jamal, D Bulman, and RK Koenekoop. 2000. Leber congenital amaurosis with anterior keratoconus in Pakistani families is caused by the Trp278X mutation in the *AIPL1* gene. *Am J Hum Genet* **67**: 382.
24. S Dhamaraj, **MM Sohocki**, B Leroy, D Birch, N Izquierdo, RK Koenekoop, GE Holder, S Bhattacharya, A Bird, IH Maumenee. 2001. Genotype-phenotype in LCA patients with AIPL1 mutations. *Invest Ophthalmol Vis Sci* **42**: S645.
25. **MM Sohocki**, DL Tirpak, SP Daiger, S Dhamaraj, IH Maumenee, DG Birch, JR Heckenlively, RK Koenekoop. 2001. Role of AIPL1 in inherited retinal diseases. *Invest Ophthalmol Vis Sci* **42**: S645.
26. DL Tirpak, **MM Sohocki**, C Craft, SP Daiger. 2001. Yeast two-hybrid analysis of AIPL1-binding proteins. *Invest Ophthalmol Vis Sci* **42**: S655.
27. JJC Van Lith-Verhoeven, CB Hoyng, AF Deutman, **MM Sohocki**, FPM Cremers. 2001. Localisation of the genes involved in several autosomal dominant retinal dystrophies. *Invest Ophthalmol Vis Sci* **42**: S647.
28. **MM Sohocki**, SP Daiger, DT Akey, X Zhu, C Craft. 2001. Aryl-hydrocarbon receptor interacting protein-like 1 (AIPL1): a possible function in photoreceptor-specific regulation of apoptosis. *Am J Hum Genet* **69**: 654.
29. G Shi, DT Akey, X Zhu, T Fukada-Kamitani, AF Sorensen, SP Daiger, CM Craft, T Kamitani, **MM Sohocki**. 2002. NUB1, a protein involved in the regulation of apoptosis and cell cycle progression, interacts with AIPL1, a protein associated with Leber congenital amaurosis. *Invest Ophthalmol Vis Sci.*
30. **MM Sohocki**, AF Sorensen, G Shi. 2002. Identification of candidate genes for inherited retinal disorders. *Invest Ophthalmol Vis Sci.*
31. **MM Sohocki**, CG Castellano, AF Sorensen, DT Akey. 2002. Inherited retinopathy-causing mutations in the AIPL1 protein interfere with its interaction with the cell-cycle control protein, NUB1. *Am J Hum Genet* **71**: 554.
32. **MM Sohocki**, and K Bevington. 2004. Pinealocyte expression of retinopathy genes: a role in circadian abnormalities? *Invest Ophthalmol Vis Sci.*

33. A Ortiz, X Wen, I Lopez, RK Koenekoop, and **MM Sohocki**. 2004. Functional correlations of selected *AIPL1* mutations found in Leber congenital amaurosis patients and their parents. *Invest Ophthalmol Vis Sci.*
34. **MM Sohocki**, SL Donovan, J Zhang, JK Gray, A Ortiz, R Tenney, S Salari, J Kong, R Allikmets, and MA Dyer. 2005. Characterization of retinal development in *Aipl1*-deficient mice. *Invest Ophthalmol Vis Sci.*

Seminars/Workshops/Continuing Education

1. Texas Academy of Science Annual Meeting, 1994.
2. Texas Genetics Society Annual Meeting, 1994.
3. Texas Genetics Society Annual Meeting, 1996, speaker.
4. Third annual international workshop on chromosome 8, 1996, speaker.
5. Texas Genetics Society Annual Meeting, 1997, speaker.
6. Association for Research in Vision and Ophthalmology Annual Meeting, 1997, poster presentation.
7. Annual Hermann Ophthalmology Alumni Conference, 1997, speaker.
8. American Society of Human Genetics Annual Meeting, 1997, poster presentation.
9. Association for Research in Vision and Ophthalmology Annual Meeting, 1998, poster presentation.
10. Annual Hermann Ophthalmology Alumni Conference, 1998, speaker.
11. American Society of Human Genetics Annual Meeting, 1998, poster presentation.
12. American Society of Human Genetics Annual Meeting, 1999, poster presentation.
13. Association for Research in Vision and Ophthalmology Annual Meeting, 2000, speaker, session moderator.
14. Wye River Conference 2000, Foundation for Retinal Research, invited speaker.
15. American Society of Human Genetics Annual Meeting, 2000, poster presentation.
16. Association for Research in Vision and Ophthalmology Annual Meeting, 2001, poster presentation.
17. Association for Research in Vision and Ophthalmology Annual Meeting, 2002, poster presentation.
18. Xth International Symposium on Retinal Degeneration, 2002, speaker.
19. American Society of Human Genetics Annual Meeting, 2002, poster presentation.
20. Association for Research in Vision and Ophthalmology Annual Meeting, 2004, poster presentation.
21. ReliaGene Technologies, *Y-Detect Product Detection Using Molecular Beacons* seminar, 2006.
22. ReliaGene Technologies, *Fundamentals of Statistical Analysis* seminar, 2006.
23. Louisiana Society of Forensic Scientists Fall Meeting, 2006.
24. Forensic Institute's Human Identification E-symposium, 2007.
25. Southern Association of Forensic Scientists, 2007.
26. Mississippi Prosecutors Training Conference, 2007, speaker.
27. Midwestern Association of Forensic Scientists, 2008.
28. Joint MAFS/ MAAFS/ SAFS/ SWAFS Regional Forensic Annual Meeting, 2009.
29. FBI DNA Auditor Training Course (Houston, TX), 2009.
30. DNA Automation Workshop, and Mixture Interpretation Workshop, Promega 21st Annual International Symposium on Human Identification, 2010.

31. Promega 22nd Annual International Symposium on Human Identification, 2011.
32. Forensic DNA Phenotyping Workshop, Promega 22nd Annual International Symposium on Human Identification, 2011.
33. Orchid Cellmark, *Overview of CODIS & National DNA Index System* seminar, 2011.
34. Orchid Cellmark, *DNA View for Relationship Testing and Kinship Analysis* seminar, 2011.
35. Promega Genetic Identity Webinar, *Simplify Databasing & Paternity Workflows without Compromising PowerPlex® Results*, 2012.
36. Gateway Analytical Webinar, *Forensic Analysis of Condom Lubricants for Police and Attorneys*, 2012.
37. President's DNA Initiative Webinar, *Non-STR DNA Markers: SNPs, Y-STRs, LCN and mtDNA*, 2012.
38. Promega Genetic Identity Webinar, *PowerPlex® Fusion: Overview & Developmental Validation Preliminary Summary*, 2012.
39. Forensic Magazine Webinar, *Applications of the PLEX-ID in the Forensic Lab*, 2012.
40. Promega Genetic Identity Webinar, *Increased Efficiency of Forensic Y-STR Analysis with the New PowerPlex® System*, 2012.
41. Promega Genetic Identity Webinar, *PowerPlex® Y23 Developmental Validation*, 2012.
42. Promega Genetic Identity Webinar, *PowerPlex® Y23 Discriminating Power in Stringent Endogamous and Consanguineous Situations*, 2012.
43. President's DNA Initiative Webinar, *Advanced and Emerging DNA Techniques and Technologies*, 2012.
44. Cellmark Forensics, *The 6th Amendment Clause and Expert Witness Testimony*, 2012.