

Dr. Anita Quintana
Associate Professor
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Biological Sciences
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Education:

Ph D, University of New Mexico, 2010.
Major: Biomedical Sciences with Distinction

BS, New Mexico State University, 2005.
Major: Microbiology with Honors

Employment History-Academic Positions:

1. Associate Professor (2021-Present) Department of Biological Sciences, University of Texas at El Paso
2. Assistant Professor (2015-2021) Department of Biological Sciences, University of Texas at El Paso
3. Post-Doctoral Fellow (August 2012-July 2015) Department of Psychiatry, University of Colorado, Denver (Mentors: Tamim Shaikh and Bruce Appel)
4. Post-Doctoral Fellow (August 2010-July 2012) Department of Genetics, St. Jude's Children's Research Hospital (Mentors: Gerard C. Grosveld and Michael Taylor)
5. Graduate Student (June 2006-2010) Department of Molecular Genetics and Microbiology, University of New Mexico, Albuquerque, NM (Mentor: Dr. Scott A. Ness)
6. Undergraduate Research Fellow (June 2004-May 2005). Department of Agriculture, New Mexico State University, Las Cruces, NM (Mentor: Dr. Champa Sengupta-Gopalan)
7. Student Research Assistant (June 2003-June 2004). NMSU Physical Science Laboratory, New Mexico State University, Las Cruces, NM (Supervisor: Dr. Willis Fedio)
8. Student Research Assistant (August 2002-December 2002). Department of Fishery and Wildlife Sciences, New Mexico State University, Las Cruces, NM (Supervisor: Dan Ginter)

Individual Awards, Honors, and Leadership Roles:

1. GRC Carl Storm Underrepresented Minority Fellowship Awardee (2023)
2. Co-Director CPRIT Institutional Post-Doctoral Training Program (2023-Present)
3. Program Director: Biosciences Doctoral Program (2023-Present)
4. Shiloff Family Foundation Award: \$15,000 award (Fall 2022)
5. Co-Director- U-RISE at UTEP training program, (2022-Present)

6. Honored as Mejor mentor en ciencia (Mentoring Award), Vanderbilt University (2022)
7. Highlighted as Influential Women in Cell Biology, American Society for Cell Biology (2021)
8. Recognized as 100 Most Influential Hispanic/Latinx Faculty, Cell Mentor from Cell Press and Cell Signaling Technology (2020)
9. Oral Presentation Selection, Society for Developmental Biology (July 2020)
10. UTEP EDGE Fellow, The University of Texas El Paso. (February 2020).
11. First Place Elevator Pitch Award, American Society of Cell Biology. (December 2019).
12. Faculty Research and Education Development (FRED) Fellow, American Society of Cell Biology. (April 2019-2020). Selected for a second year of mentoring in a competitive application process.
13. Future Research Leaders Conference 2019 Attendee, National Institutes of Health (May 2019)
14. Mentoring Institute for Neuroscience Diversity Scholars Fellow, National Institutes of Health NINDS (March 6, 2018-2019)
15. Teaching/Junior Faculty Travel Grant, Society for Developmental Biology. (May 8, 2018).
16. Faculty Research and Education Development (FRED) Fellow, American Society of Cell Biology. (April 25, 2017-2018).
17. Travel Award to Junior Faculty Workshop sponsored by American Society for Cell Biology (2016)
18. Developmental Psychobiology Research Group Fellow, competitive application process (2012-2015)
19. Faculty of 1000, a post publication peer review publication (2011)
20. Highly Rated Poster Award (Top 2% of all abstracts) at the American Association of Cancer Research (2011)
21. Ruth Kirschstein Pre-doctoral fellowship (F31) 2007-2010 (University of New Mexico)
22. Initiative to Maximize Student Diversity (IMSD) fellow 2007 (University of New Mexico)
23. Minority Access to Research Careers (MARC) fellow 2004-2005 (New Mexico State University)

Student Awards and Achievement:

1. Honorable Mention for Best Poster. July 2023 (David Paz)
2. Academic and Research Excellence Graduate Student. May 2023 (Victoria Castro)
3. Academic and Research Excellence for an Undergraduate Student in Microbiology. May 2023. (Valeria Virrueta)
4. Student Dodson Grant Awardee, University of Texas El Paso. Spring 2023. (David Paz)

5. College of Science Graduate Student Research Grant, University of Texas El Paso. Spring 2023 (Nayeli Reyes-Nava)
6. Academic and Research Excellence for an Undergraduate Student in Microbiology. December 2022. (Isaiah Perez)
7. American Society for Cell Biology Minority Affairs Committee Travel Award. December 2022. (Briana Pinales)
8. Society for the Advancement of Chicanos and Native Americans Travel Scholarship. October 2022. (Valeria Virrueta)
9. Society for the Advancement of Chicanos and Native Americans Travel Scholarship. October 2022. (Isaiah Perez)
10. F99/K00 DSPAN Fellowship-National Institutes of Health. July 2022 (Victoria L. Castro)
11. Keelung Hong Fellowship. December 2021 (Victoria L. Castro)
12. Keelung Hong Fellowship. December 2021 (Nayeli Reyes-Nava)
13. COURI Undergraduate Honorable Mention-Poster Presentation. Summer 2021 (Lourdes Jimenez Matrigal)
14. COURI Undergraduate Best Poster Award. Summer 2021. (Erika Quezada)
15. SURPASS Undergraduate Award. Summer 2021. (Lourdes Jimenez Matrigal)
16. COURI Undergraduate Honorable. Spring 2021. (Isaiah Perez)
17. Student Dodson Grant Awardee, University of Texas El Paso. Spring 2020. (Victoria Castro)
18. Academic and Research Excellence Undergraduate Award. Spring 2020. (Joel Reyes)
19. COURI Undergraduate in Research and Creative Activities Award. Spring 2020. (Joel Reyes)
20. Outstanding Interdisciplinary Senior Thesis, University of Texas El Paso. Spring 2020 (Joel Reyes)
21. Doctoral Excellence Fellowship, University of Texas El Paso. Spring 2020. (Barbara Castellanos)
22. UNM Comprehensive Cancer Center Research/Recruitment Day Attendee. Fall 2019. (Joel Reyes)
23. American Society for Cell Biology Minority Affairs Committee Travel Award. Fall 2019. (Victoria Castro)
24. American Society for Cell Biology Minority Affairs Committee Travel Award. Fall 2019. (Nayeli-Reyes-Nava)
25. American Society for Cell Biology Minority Affairs Committee Travel Award. Fall 2019. (Jose Hernandez)
26. Lawrence and Judy Ellzey Academic Fellow. Fall 2019. (Victoria L. Castro)

27. Graduate Scholarship Recipient. Fall 2019. (Nayeli Reyes-Nava)
28. Minority Health International Research Training Fellow. Summer 2019. (Joel Reyes)
29. Keelung-Hong Fellowship Recipient. Academic Year Spring 2019-Present (Jose Hernandez)
30. Academic and Research Excellence: Undergraduate Student-Microbiology, Department of Biological Sciences. The University of Texas El Paso. Fall 2018 (Jennifer Love)
31. Best Oral Presentation in the category of Developmental Biology, Society for the Advancement of Chicanos and Native Americans. October 2018. (Victoria Castro)
32. Graduate Scholarship Recipient. Academic Year Fall 2018-2019 (Jose Hernandez)
33. Graduate Scholarship Recipient. Academic Year Fall 2018-2019. (Victoria Castro)
34. Neuroscience Scholars Program-Associate Fellow, Society for Neuroscience. Academic Year Fall 2018-2019. (Victoria Castro)
35. SPINES (Summer Program in Neuroscience, Excellence, and Success) Fellow, Marine Biological Laboratory. June 14, 2018. (Victoria Castro)
36. FASEB Mentored Poster/Platform Presenter Award. The Federation of American Societies for Experimental Biology. June 11, 2018. (Jose Hernandez)
37. Summer Honors Undergraduate Research Program Fellow, SHURP at Harvard Medical School. June 1, 2018. (Joel Reyes)
38. Travel Award, Society for Developmental Biology. May 10, 2018. (Barbara Castellanos and Victoria Castro)
39. UTEP Graduate School Travel Grant, University of Texas El Paso. May 8, 2018. (Jose Hernandez)
40. Best Poster: Undergraduate Student Poster Award, American Association of Anatomists Experimental Biology 2018. April 24, 2018. (Joel Reyes)
41. Travel Award, University of Texas El Paso/ Building Scholars. April 20, 2018. (Joel Reyes and Cesar Gonzalez)
42. Travel Award, American Association of Anatomists. February 12, 2018. (Joel Reyes and Cesar Gonzalez)
43. Undergraduate Student Poster Award-Top 12 Competition, American Association of Anatomists. February 12, 2018. (Joel Reyes)
44. Cullen Symposium Travel Award, MD Anderson Cancer Center. December 4, 2017. (Joel Reyes)
45. Travel Award, University of Texas El Paso/ Building Scholars. October 19, 2017 (Cesar Gonzalez and Joel Reyes)
46. Novartis Summer Internship, Novartis June 1, 2017 (Valerie Caro)

47. Summer Undergraduate Fellow, University of Texas Southwestern, Summer 2017 (Cesar Gonzalez)
48. Summer Undergraduate Research Fellow, MD Anderson, Summer 2017 (Joel Reyes)
49. National Symposium for Undergraduate Research Competitive Selection, St. Jude Children's Research Hospital, April 2017 (Victoria Castro)
50. Thelma Morris Endowed Scholarship, UTEP College of Science, Spring 2017 (Jose Hernandez)
51. College of Science Graduate Fellowship in Science, UTEP College of Science, Winter 2016 (Jose Hernandez)
52. Honorable Mention "Best Poster" COURI Undergraduate Research Symposium, University of Texas at El Paso, April 2016 (Victoria Castro)

Memberships in Professional Societies:

1. Member, Society for the Advancement of Chicanos and Native Americans (2018)
2. Member, Society for Neuroscience (2018)
3. Member, American Society for Cell Biology (2016-2021)
4. Member, Society for Developmental Biology (2014-Present)
5. Member, International Society of Differentiation (2023-Present)
6. Member, American Society of Human Genetics (2016-2017)
7. Member, American Heart Association (2016-2017)
8. Member, Colorado Clinical and Translational Sciences Institute (2013-2015)
9. Member, American Association for the Advancement of Science (2007-2008)
10. Member, American Society for Cancer Research (2007-2008)

Teaching Experience:

University of Texas El Paso

1. BIOL 1305, General Biology.
2. BIOL 2340, Intro Neuroscience. Team Taught
3. CBCH 4320, Adv. Topics in Mol. Biochem. Team Taught
4. BIOL 4198, Special Problems.
5. BIOL 4298, Special Problems.
6. BIOL 4395, Topics in Biology, Developmental Neurobiology.
7. BIOL 4398, Special Problems.
8. BIOL 5101, Research in Biological Science
9. BIOL 5301, Select Adv Topics Biol Science Developmental Neurobiology.
10. BIOL 5301, Advanced Scientific Writing.
11. BIOL 5302, Research in Biological Science

12. BIOL 5302-5502, Research in Biological Science
13. BIOL 5398, Thesis.
14. BIOL 5399, Thesis.
15. BIOL 6190-6690, Independent Research.
16. BIOL 6290, Independent Research.
17. BIOL 6303, Graduate Gene Regulation
18. BIOL 6398, Dissertation
19. BIOL 6399, Dissertation
20. RSRC 4033, Undergraduate Research.
21. SCI 1100, Professional Development for U-RISE at UTEP
22. BIOL 3192, Professional Development Seminar

Metropolitan State University

BIOL 1080, General Biology, 1 course.

Professional Development Activities Taught/Developed

U-RISE @ UTEP Professional Development Seminar
Fall 2022
Spring 2023

Undergraduate Poster Development Workshop
Spring 2023

Undergraduate Manuscript Development Workshop
Spring 2023

Bridge to the Doctorate Workshop: Dissecting, discussing, and presenting papers.
Summer 2021

Bridge to the Doctorate Workshop: Writing Manuscripts and getting publications.
Summer 2021

Directed Student Research and Mentoring

Supervised Research. (January 1, 2023-Present)
Advised: Carlos Palomino

Supervised Research. (August 1, 2022-Present)
Advised: Claudia Solis

Supervised Research. (August 1, 2022-Present)
Advised: Annalise Gonzalez

Supervised Research. (August 1, 2022-Present)
Advised: Aylene Elizalde

Supervised Research. (August 1, 2022-Present)
Advised: Thur-Shloa Hisa-MS Degree- Anticipated Graduation May 2024

Supervised Research. (July 1, 2021-Present)
Advised: Briana Pinales (PhD)- Anticipated Graduation December 2023

Supervised Research. (January 1, 2022-Present)
Advised: Claudia Gil

Supervised Research. (January 1, 2022-May 7, 2023)
Advised: Jennifer Davila

Supervised Research. (August 1, 2020-Spring 2023)
Advised: Valeria Virrueta

Supervised Research (August 2020-Present)
Advised: Barbara Castellanos--Anticipated Graduation May 2026

Supervised Research. (January 1, 2018-Present)
Advised: David Paz (PhD) -Anticipated Graduation May 2024

Supervised Research (August 2017-July 2023)
Advised: Nayeli Reyes-Nava (PhD) -Degree Awarded

Supervised Research. (August 1, 2016-Spring 2023)
Advised: Victoria Castro (PhD)-Degree Awarded

Supervised Research. (July 1, 2022-January 19, 2022)
Advised: Israel Blevins

Supervised Research. (January 1, 2022-December 1, 2022)
Advised: Jael Chavez-Contreras

Supervised Research. (August 1, 2021-December 1, 2021)
Advised: Jessica Dirimeyer

Supervised Research. (August 1, 2021-December 1, 2021)
Advised: Yahir Davila

Supervised Research. (June 1, 2021-July 1, 2022)
Advised: Rahab Jaramillo

Supervised Research. (June 1, 2021-August 10, 2021)
Advised: Erika Quezada

Supervised Research. (June 1, 2021-August 10, 2021)
Advised: Hope Lopez

Supervised Research. (June 1, 2021-July 31, 2021)
Advised: Ana Reyes-Garcia

Supervised Research. (January 2021-May 1, 2021)
Advised: Lourdes Jimenez-Matrigal

Supervised Research. (October 2020-December 2022)
Advised: Isaiah Perez

Supervised Research. (August 1, 2020-May 30, 2021)
Advised: Lisa Holguin

Supervised Research. (Spring, 2020-May 2021)
Advised: Alessandra Merino Gomez

Supervised Research. (August 1, 2019-May 1, 2021)
Advised: Carla Canales

Supervised Research. (August 1, 2019-May 1, 2021)
Advised: Pamela Rodriguez

Supervised Research. (February 1, 2016-May 31, 2020)
Advised: Joel Reyes

Supervised Research. (August 1, 2019- May 2019)
Advised: Moises Coronado

Supervised Research. (August 1, 2018-May 2019)
Advised: Leslie Hernandez

Supervised Research. (August 1, 2018-May 31, 2019)
Advised: David Rodriguez

Supervised Research. (August 1, 2018-May 31, 2019).
Advised: Laura Montes

Undergraduate Honors Thesis. (August 1, 2018 - May 31, 2019).
Advised: Brianna Sanchez

Undergraduate Independent Study. (January 1, 2018 - May 31, 2018).
Advised: Jacob Nicasio, Sofia Rodriguez, Michelle Cano

Master's Thesis Committee Chair. (August 2017-December 2019)
Advised: Barbara Castellanos MS Degree Awarded

Undergraduate Independent Study. (June 1, 2017-May 1, 2019)
Advised: Thur-Shloa Hisa-Undergraduate Research Completed

Supervised Research. (June 1, 2017-December 31, 2018)
Advised: Danica Lopez

Undergraduate Independent Study. (August 2017 – May 2018).
Advised: Jennifer Love

Supervised Research. (August 28, 2017 - December 15, 2017).
Advised: Diana Gonzalez Garcia

Supervised Research. (January 1, 2017 - May 15, 2017).
Advised: Jeannette Orbegozo Ramirez

Undergraduate Honors Thesis, "HMGCS1 regulates WNT signaling." (August 1, 2016 - May 31, 2018).
Advised: Cesar Gonzalez

Supervised Research. (June 1, 2016 - May 31, 2017).
Advised: Valerie Caro

Dissertation Committee Co-Chair. (February 1, 2016 – Anticipated Graduate December 2023).
Advised: Jose Hernandez (PhD)

Supervised Research. (August 1, 2016 - December 15, 2016).
Advised: Vanessa Enriquez

Supervised Research. (February 1, 2016 - December 31, 2016).
Advised: Argentina Lara, Esmeralda Saenz, Josh Stokes

Supervised Research. (November 1, 2015 - August 31, 2016).
Advised: Jose Hernandez (Technician)

Scholarly achievements:

Submitted or Pending Publications (including Preprints):

1. Paz, D.* , Reyes-Nava, N.G.* , Pinales, B.E., Perez, I., Gil, C.B., Gonzales, A.V., Grajeda, B.I. †, Estevao, I.L. †, Ellis, C.C. †, Castro, V.L, and Quintana, A.M. “Characterization of the zebrafish *gabra1*^{sa43718/sa43718} germline loss of function allele confirms a function for Gabra1 in motility and nervous system development.” Available at BioRxiv DOI: <https://doi.org/10.1101/2023.01.27.525860> * or † indicates equal contribution. Submitted for consideration at *Heliyon* as of September 28, 2023.
2. Reyes-Nava., N.G.* , Esparza, D.* , Suarez, V., **Quintana A.M.**, and Olimpo, J.T., “Interactive notebooks improve students’ understanding of developmental neurobiology, attitudes toward research, and experimental design competency in a lecture-based neuroscience course.” Submitted for Consideration in *The Journal of Undergraduate Neuroscience Education (JUNE)*, Fall 2023. *Indicates co-first authorship.
3. Hinton Jr, A., Katti, P., Mungai, M., Hall, D.D., Olha, S., Shao, J., Vue, Z., Lopez, E.G., Rostami, R., Neikirk, K., Ponce, J., Streeter, J., Schickling, B., Bacevac, S., Grueter, C., Marshal, A.G., Beasley., H.K., Koo, Y.D., Bodine, S., Reyes-Nava., N.G., Quintana, A.M., Song, L., Grumbach, I., Pereira, R.O., Glancy, B., Abel, D.E. “ATF4 Dependent Increase in Mitochondrial-Endoplasmic Reticulum Tethering Following OPA1 deletion in skeletal muscle.” Submitted for Consideration in *Journal of Cellular Physiology*, Fall 2023.

Publications:

1. Vue, Z.* , Garza-Lopez, E.* , Neikirk, K.* , Katti, P.* , Vang, L., Beasley, H., Shao, J., Marshall, A.G., Crabtree, A., Murphy, A.C., Jenkins, B.C., Prasad, P., Evans, C., Taylor, B., Mungai, M., Killion, M., Stephens, D., Christensen, T.A., Lam, J., Rodriguez, B., Phillips, M.A., Daneshgar, N., Koh, H., Koh, A., Davis, J., Devine, N., Muhammod, S., Scudese, E., Arnold, K. R., Chavarin, V.V., Robinson, R.D., Chakraborty, M., Gaddy, J.A., Sweetwyne, M.T, Wilson, G., Zaganjor, E., Kezos, J., Dondi, C., Reddy, A.K., Glancy, B., Kirabo, A., **Quintana, A.M.**, Dai, D., Ocorr, K., Murray, S.A., Damo, S.M., Exil, V., Riggs, B., Mobley, B.C., Gomez, J.A., McReynolds, M.R.,# Hinton Jr, A.#, “3D Reconstruction of Murine Mitochondria Reveals Changes in Structure During Aging Linked to the MICOS complex.” In Press. Accepted September 20, 2023 in *Aging Cell*.

2. Perez, I., Reyes-Nava, N.G., Pinales, B.E., and Quintana, A.M., "Over expression of MMACHC prevents craniofacial phenotypes caused by knockdown of znf143b." *American Journal of Undergraduate Research*. June 2023; 20(1): 77-84 Doi: 10.33697/ajur.2023.081 **Corresponding Author**
3. Paz, D.* , Pinales, B.E.* , Castellanos B.S.* , Perez, I., Gil, C.B., Jimenez-Madrigal, L., Reyes-Nava, N.G., Castro, V.L., Sloan, J.L., and Quintana, A.M. (2023) "Abnormal chondrocyte development in a zebrafish model of *cb/C* syndrome restored by an MMACHC cobalamin binding mutant." *Differentiation*. 2023 May-June; 131:74-81 *indicates equal contribution. **Corresponding Author**
4. Castro, V.L.** , Paz, D., Virrueta. V., Estevao, I.L.* , Grajeda, B.I.* , Ellis, C.C.* , and Quintana, A.M., ** (2023). "Missense and nonsense mutations of the zebrafish *hcfc1a* gene result in contrasting mTor and radial glial phenotypes." *Gene*. Feb. 17:864:147290. Doi: 10.1016/j.gene.2023.147290 ****Corresponding Authors** *Authors Contributed Equally
5. Quintana, A.M., (2021). "Leading by example: Developing diversity first mentoring strategies." *Molecular Biology of the Cell*. 2021 Dec 1:32(22):vo1. Doi:10.1091/mbc.E21-04-0199
6. Castellanos B.S., Reyes-Nava N.G., Quintana A.M. (2021) "Knockdown of *hspg2* is associated with abnormal mandibular joint formation and neural crest cell dysfunction in zebrafish." *BMC Dev Biol*. 2021 Mar 8;21(1):7. doi: 10.1186/s12861-021-00238-4. **Corresponding author.**
7. Castro, V.L., Reyes-Nava, N.G., Sanchez, B.S., Gonzalez, C.G., Paz, D., and Quintana, A.M. (2020) "Activation of WNT signaling restores the facial deficits in a zebrafish with defects in cholesterol metabolism." *genesis, The Journal of Genetics and Development*. Nov 20, 2020. **Corresponding author.**
8. Castro, V. L., Reyes, J. F., Reyes-Nava, N. G., Paz, D., Quintana, A. M., (2020). "Hcfc1a regulates neural precursor proliferation and *asxl1* expression in the developing brain," *BMC Neuroscience*. Jun 10;21(1):27. **Corresponding Author.**
9. Castro, V.L. and Quintana, A.M., (2020). The role of HCFC1 in syndromic and non-syndromic intellectual disability," *Medical Research Archives*. Jun 2020; 8(6). **Corresponding Author.**
10. Reyes-Nava, N. G., Yu, H.-C., Coughlin II, C. R., Shaikh, T. H., Quintana, A. M., (2020). "Abnormal Expression of GABA A Receptor Subunits and Hypomotility Upon Loss of *gabra1* in Zebrafish." *Biology Open*, 9(4(bio051367)). **Corresponding Author.**
11. Hernandez, J.A.†, Castro, V.L. †, Reyes-Nava N.G., Montes, L.P., and Quintana, A.M. (2019). "Mutations in the zebrafish *hmgcs1* gene reveal a novel function for isoprenoids during red blood cell development." *Blood Advances*. Apr 23; 3(8): 1244-1254 **Corresponding author.** † These authors contributed equally.
12. **Quintana, A. M.**, Hernandez, J. A., Gonzalez, C. (2017). Functional analysis of the zebrafish ortholog of HMGCS1 reveals independent functions for cholesterol and isoprenoids in craniofacial development. *Plos One*, 12(7). **Corresponding author.**
13. Olimpo, J., Quijas, D. A., **Quintana, A. M.** (2017). A focus on polarity: Investigating the role of orientation cues in mediating student performance on mRNA synthesis tasks in an introductory cell and molecular biology course. *Biochemistry and Molecular Biology Education*, 45(3).
14. **Quintana, A. M.**, Yu, H.-C., Brebner, A., Pupavac, M., Geiger, E. A., Watson, A., Castro, V. L., Cheung, W., Chen, S.-H., Watkins, D., Pastinen, T., Skovby, F., Appel, B., Rosenblatt, D. S.,

- Shaikh, T. H. (2017). Mutations in THAP11 cause an inborn error of cobalamin metabolism and developmental abnormalities. *Human Molecular Genetics*, 26(15), 2838-2849.
15. Quintana, A.M., (2015) "The necessity for *in vivo* functional analysis in human medical genetics." *Medical Research Archives*. Vol. 8(2)
 16. Van Laarhoven, P.M., Neitzel, L.R., **Quintana, A.M.**, Geiger, E.A., Zackai, E.H., Clouthier, D. E., Artinger, K.B., Ming, J.E., and Shaikh, T. H. (2015) "Kabuki syndrome genes *KMT2D* and *KDM6A*: functional analyses demonstrate critical roles in craniofacial, heart, and brain development." *Human Molecular Genetics*. 24(15), 4443—4453
 17. **Quintana, A.M.**, Geiger, E.A., Achilly, N., Rosenblatt, D.S., Maclean, K.N., Stabler, S.P., Artinger, K.B., Appel, B., and Shaikh, T.H. (2014) "Hcfc1b, a zebrafish ortholog of HCFC1, regulates craniofacial development by modulating expression of *mmachc*." *Developmental Biology*, 396(1), 94-106
 18. **Quintana, A.M.**, Picchione, F., Klein Geltink, R.I., Taylor, M.R., and Grosveld, G.C. (2014) "Zebrafish *etv7* regulates red blood cell development through the cholesterol synthesis pathway." *Disease Models and Mechanisms*, 7(2), 265-270
 19. Yu, H.U, Sloan, J.L., Scharer, G., Brebner, A., **Quintana, A. M.**, Achilly, N.P., Manoli, I., Coughlin II, C.R., Geiger, E. A., Schneck, U., Watkins, D., Suormala, T., VanHove, J.L.K., Fowler, B., Baumgartner, M.R., Rosenblatt, D. S., Venditti, C. P., and Shaikh, T.H. (2013) "A Novel X-linked Cobalamin Disorder Caused by Mutations in the Transcriptional Coregulator *HCFC1*." *American Journal of Human Genetics*, 93(3), 506-514
 20. Conley, M.E., Dobbs, A.K., **Quintana, A.M.**, Bosompem, A., Wang, Y.D., Coustan-Smith, E., Smith, A.M., Perez, E.E., and Murray, P.J. (2011) "Agammaglobulinemia and Absent B Lineage Cells in a Patient Lacking the p85 α Subunit of PI3K." *Journal of Experimental Medicine*, 209(3), 463-470
 21. **Quintana, A.M.** and Grosveld, G.C. (2011) "Zebrafish as a model to characterize TEL2 function during development and cancer." *Journal of Carcinogenesis and Mutagenesis*, S1(100).
 22. **Quintana, A.M.**, Liu, F., O'Rourke, J.P., and Ness, S.A. (2011) "Identification and regulation of c-Myb target genes in MCF-7 cells." video abstract at www.scivee.tv
 23. **Quintana, A.M.**, Liu, F., O'Rourke, J.P., and Ness, S.A. (2011) "Identification and regulation of c-Myb target genes in MCF-7 cells." *BMC Cancer*. 11(30), "Highly Accessed"
 24. **Quintana, A.M.**, O'Rourke J.P., and Ness, S.A. (2011) "Dramatic repositioning of c-Myb to different promoters during the cell cycle observed by combining cell sorting with chromatin immunoprecipitation." *PLOS One*. Vol. 6(2), 17362
 25. Ortega, J.L., Moguel-Esponda, S., Potenza, C., Conklin, C.F., **Quintana, A.**, and Sengupta-Gopalan, C. (2005). "The 3' untranslated region of a soybean cytosolic glutamine synthetase (GS₁) affects transcript stability and protein accumulation in transgenic alfalfa." *The Plant Journal*. Vol. 45. pp. 832-845.

Book Chapters:

1. Pinales, B.E., Castro, V.L., and Quintana, A.M. "Early development and environmental influence." Behavioral Neuroscience. Editors: Elizabeth D. Kirby and Christina L. Williams. Submitted and Pending External Review
2. Reyes-Nava, N. G., Hernandez, J. A., Castro, V. L., Reyes, J. F., Castellanos, B. S., Quintana, A. (2018). Zebrafish: A comprehensive model to understand the mechanisms underlying neurodevelopmental disorders. In *Horizons in Neuroscience Research* (vol. 36). Hauppauge, NY: Nova Science Publishers. **Corresponding Author.**
3. **Quintana, A.M.** and Ness, S.A. "Regulating c-Myb in real time." (2010) In *Oncoproteins: Types and Detection*. Hauppauge, NY: Nova Science Publishers

Contributed abstracts at professional and local meetings:

1. Pinales, B.E. and Quintana, A.M., "Mutation of zebrafish mmachc is associated with hyperlocomotion in response to light stimuli." First Annual Biomedical Sciences Symposium, University of Texas El Paso, El Paso, TX (August 2023)
2. Castellanos, B.S., Paz, D., and Quintana, A.M., "Cholesterol and isoprenoids regulate early erythrocyte development." First Annual Biomedical Sciences Symposium, University of Texas El Paso, El Paso, TX (August 2023)
3. Paz, D., Castro, V.L., Virrueta, V., Estevao, I.L., Grajeda, B.I., Ellis, C.C., and Quintana, A.M., Annual Society Meeting, "Hcfc1a, an ortholog of HCFC1, regulates brain development and Akt/mTor signaling." First Annual Biomedical Sciences Symposium, University of Texas El Paso, El Paso, TX (August 2023)
4. Paz, D., Castro, V.L., Virrueta, V., Estevao, I.L., Grajeda, B.I., Ellis, C.C., and Quintana, A.M., Annual Society Meeting, "Hcfc1a, an ortholog of HCFC1, regulates brain development and Akt/mTor signaling." Society for Developmental Biology, Chicago, ILL (July 2023)
5. Elizalde, A., Chavez, J., Castro, V.L., and Quintana, A.M., COUR Spring Symposium, Role of HCFC1 in red blood cell development," University of Texas El Paso (April 2023)
6. Solis, C.V., Reyes-Nava, N.G., Gil, C., Davila, J., Quintana, A.M., COUR Spring Symposium, "Function of MMACHC in brain development," University of Texas El Paso (April 2023)
7. Virrueta, V. and Quintana, A.M., COUR Spring Symposium, "Characterization of neural precursor cell function in a zebrafish model of cb1C," University of Texas El Paso (April 2023)
8. Pinales, B. E., Paz, D., Reyes-Nava, N. G., Madrigal-Jimenez, L. J., Perez, I., Castro, V. L., Quintana, A. M., American Society for Cell Biology Annual Meeting, "Characterization of irregular chondrocyte stacking during craniofacial development in a zebrafish model of cb1C syndrome.," American Society for Cell Biology, Washington DC. (December 2022).
9. Pinales, B. E., Paz, D., Quintana, A. M., Society for Neuroscience Annual Meeting, "Characterizing the role of HCFC1 in anxiety disorders using adult zebrafish," Society for Neuroscience, San Diego CA. (November 2022).
10. Reyes-Nava, N.G. and Quintana, A.M., Southwest Regional Meeting, "Abnormal Expression of synapse proteins in a zebrafish mutant of the *gabra1* gene." Society for Developmental Biology, Austin, TX (November 2022)

11. Virrueta, V. V., Paz, D*, Quintana, A. M., National Diversity in STEM Conference, "Abnormal radial glial cells development caused by missense mutation of hcfc1a in zebrafish," Society for the Advancement of Chicanos and Native Americans, Puerto Rico. (October 2022).
12. Castro, V. L., Paz, D., Virrueta, V. V., Jaramillo, R., Quintana, A. M., 15th Annual Zebrafish Disease Models Conference, "Identifying mechanisms driving syndromic and non-syndromic disease in patients with mutations in HCFC1," Zebrafish Disease Models Society, Sheffield, UK. (September 2022).
13. Castro, V. L., Paz, D., Castellanos, B. S., Reyes-Nava, N. G., Jimenez-Matrigal, L*, Perez, I., Quintana, A. M., 15th Annual Zebrafish Disease Models Conference, "Mutation of mmachc causes chondrocyte stacking deficits in the absence of toxic metabolites," Zebrafish Disease Models Society, Sheffield, UK. (September 2022).
14. Perez, I., Reyes-Nava, N. G., Quintana, A. M., COURI Spring Symposium, "Knockdown of zebrafish znf143b is associated with its craniofacial abnormalities during early development," The University of Texas El Paso. (April 2022).
15. Virrueta, V. V., Paz, D*, Quintana, A. M., Spring 2022 COURI Symposium, "Hcfc1a regulates the number of radial glial cells during early development," The University of Texas El Paso. (April 2022).
16. Jimenez-Matrigal, L., Paz, D., Castellanos, B.S., and Quintana, A.M., "Characterizing the function of mmachc during craniofacial development." National Diversity in STEM Digital Conference. Society for the Advancement of Chicanos and Native Americans. (October 2021.)
17. Reyes-Nava, N.G. and Quintana, A.M., "Behavioral characterization of the gabra1sa43718 allele during neurodevelopment." National Diversity in STEM Digital Conference. Society for the Advancement of Chicanos and Native Americans. (October 2021.)
18. Jimenez-Matrigal, L., Paz, D., Castellanos, B.S., and Quintana, A.M., "Characterizing the function of mmachc during craniofacial development." COURI Summer 2021 Symposium. (August 2021.)
19. Quezada, E.* , Lopez. H.* , Castro, V.L., and Quintana, A.M., "Monitoring anxiety behavior in adult zebrafish carrying a heterozygous mutation in the hcfc1a gene using the novel tank diving test." COURI Summer 2021 Symposium. (August 2021.)
20. Quintana, A.M., Hernandez, J.A., Castro, V.L., Reyes-Nava, N.G., Gonzalez, C.G., Sanchez, B., Montes, L., and Paz, D., "The function of the cholesterol synthesis pathway in WNT signaling during development and disease." 80th Annual Society for Developmental Biology Meeting. (July 2021).
21. Holguin, L. and Quintana, A.M., "Characterizing anxiety in hcfc1a mutant fish using the novel tank behavioral test." COURI Symposium Spring 2021 University of Texas El Paso. (April 2021)
22. Reyes-Nava, N.G. and Quintana, A.M., "Behavioral characterization of the gabra1 sa43718 allele during neurodevelopment." Northwest Regional Society for Developmental Biology. Virtual. (March 2021.) Selected as an oral presentation.
23. Castellanos, B.S. and Quintana, A.M., "Knockdown of hspg2 is associated with abnormal mandibular jaw joint development." Northwest Regional Society for Developmental Biology. Virtual. (March 2021.) Selected as an oral presentation.

24. Castro, V.L., Reyes, J.F., Reyes-Nava, N.G., Paz, D., and Quintana, A.M., "Hcfc1a loss of function mutation impacts neural precursor cell expansion, differentiation and locomotor behavior in zebrafish model of *cb1X*." Northwest Regional Society for Developmental Biology. Virtual. (March 2021.) Selected as an oral presentation.
25. Castro, V.L., Reyes-Nava, N.G., Gonzalez, C.G., Sanchez, B., Paz, D., and Quintana, A.M., "Restoration of cholesterol dependent craniofacial abnormalities by WNT signaling activation in zebrafish." American Society for Cell Biology Annual Meeting. Virtual. (December 2020).
26. Castro, V.L., Reyes-Nava, N.G., Gonzalez, C.G., Sanchez, B., Paz, D., and Quintana, A.M., From Stem Cells to Disease Virtual Meeting, "Activation of WNT signaling restores the neural crest cell differentiation defects in a zebrafish with an inborn error of cholesterol metabolism." Company of Biologists. Virtual Stem Cells to Disease Meeting. (September 2020).
27. Paz, D. and Quintana, A. M., Annual Society for Developmental Biology Meeting, "Behavioral analysis of zebrafish with mutation of the *hcfc1a* gene," Society for Developmental Biology, Virtual. (July 9, 2020).
28. Castellanos, B. S., Quintana, A. M., Annual Society for Developmental Biology Meeting, "Knockdown of *hspg2* in zebrafish is associated with mandibular jaw joint fusion and neural crest cell dysregulation," Society for Developmental Biology, Virtual. (July 9, 2020).
29. Quintana, A. M., Castro, V. L., Reyes, J. F., Paz, D., Annual Society for Developmental Biology Meeting, "Molecular mechanisms modulating neural development in *cb1X* syndrome." Society for Developmental Biology, Virtual. (July 9, 2020). **Selected for Oral Presentation Session.**
30. Reyes-Nava, N. G., Quintana, A. M., Annual Society for Developmental Biology Meeting, "Role of *gabra1* during developmental behavior," Society for Developmental Biology, Virtual. (July 9, 2020).
31. Reyes, J. F., Castro, V. L., Reyes-Nava, N. G., Paz, D., Quintana, A.M, NIH DPC Virtual Research Symposium, "Hcfc1a regulates neural precursor proliferation and *asx11* expression in the developing brain," National Institute of Health; Diversity Program Consortium, Virtual. (May 1, 2020).
32. Reyes-Nava, N., Yu, H., Coughlin II, C.R., Shaikh, T.H., Quintana, A.M., "Functional analysis reveals abnormal expression of GABA_A receptor sub-units and hypomotility upon loss of *gabra1* in zebrafish." American Society for Cell Biology Annual Meeting, Washington D.C. (December 2019).
33. Hernandez, J. A., Castro, V. L., Quintana, A.M., "Mutations in the cholesterol synthesis pathway reveal independent functions for cholesterol and isoprenoids during erythropoiesis," American Society for Cell Biology Annual Meeting, Washington D.C. (December 2019).
34. Castro, V. L., Reyes, J. F., Quintana, A.M., "Defects in neural precursor proliferation and abnormal *asx11* expression as a result of mutations in *HCFC1* ortholog induce hypoactive behavior in zebrafish model of *cb1X* syndrome." (December 6, 2019).
35. Castellanos, B. S., Quintana, A.M., "Functional analysis using the zebrafish model reveals that *hspg2* mediates mandibular jaw joint development," 2019 Texas Zebrafish Conference, University of Houston. (November 2, 2019).
36. Esparza, D., Reyes-Nava, N. G., Leon, K., Quintana, A.M., Olimpo, J., "Using NeuroNotebooks to Improve Students' Understanding of Developmental Neurobiology, Attitudes Toward Research,

and Experimental Design Competency," 2019 National Meeting of the Society for the Advancement of Biology Education Research, SABER, Minneapolis, MN. (July 27, 2019).

37. Sanchez, B. B., Quintana, A. M., "Recovery of normal craniofacial phenotype in *hmgcs1* mutants via modulation of the *wnt* signaling pathway," COURI Spring Annual Symposia, The University of Texas El Paso. (April 2019).
38. Reyes, J. F., Lopez, D., Quintana, A.M., "Using zebrafish to understand the function of HCFC1 in *cbIX* syndrome," COURI Spring Annual Symposia, The University of Texas El Paso. (April 2019).
39. Reyes-Nava, N. G., Yu, H.-C., Coughlin II, C., Shaikh, T. H., Quintana, A.M., Society for Developmental Biology Southwest Regional Meeting, "*gabra1* disrupts normal brain development in a zebrafish model of hypomotility." Denver, Colorado. (March 7-10, 2019)
40. Reyes, J.F., Lopez, D., Quintana, A.M., Society for Developmental Biology Southwest Regional Meeting, Using Zebrafish to understand the function of *HCFC1* in *cbIX* syndrome." Denver, Colorado. (March 7-10, 2019)
41. Castro, V.L., Reyes, J.F., and Quintana, A.M., Society for Developmental Biology Southwest Regional Meeting, "Hcfc1a, an ortholog of HCFC1, regulates neural precursor proliferation in a zebrafish model of *cbIX* syndrome." Denver, Colorado. (March 7-10, 2019) **Selected for an oral presentation.**
42. Lopez, D., Quintana, A.M., Annual Biomedical Research Conference for Minority Students, "Zebrafish model of *cbIX* syndrome reveals divergent functions for the zebrafish orthologs of *HCFC1*." Indianapolis. (November 14, 2018).
43. Castro, V. L., Reyes, J. F., Quintana, A.M., Society for the Advancement of Chicanos and Native Americans Annual Meeting, "Elucidating the downstream genes modulated by the transcriptional co-factor HCFC1." San Antonio, Texas. (October 12, 2018). **Selected for an oral presentation.**
44. Reyes-Nava, N. G., Yu, H.-C., Coughlin II, C., Shaikh, T. H., Quintana, A.M., Society for the Advancement of Chicanos and Native Americans Annual Meeting, "Knockdown of the zebrafish orthologue of GABRA1 results in absence seizures." San Antonio, Texas. (October 12, 2018).
45. Reyes-Nava, N., Yu, H.-C., Coughlin II, C. R., Shaikh, T. H., Quintana, A.M, Society for Developmental Biology Annual Meeting, "Knockdown of the zebrafish orthologue of GABRA1 results in absence seizures." Society for Developmental Biology, Portland Oregon. (July 20, 2018).
46. Castro, V. L., Reyes, J. F., Quintana, A.M., Society for Developmental Biology Annual Meeting, "Mutations in *hcfc1a* disrupt neural precursor cell proliferation by way of deficiencies in *asxl1* expression." Society for Developmental Biology, Portland Oregon. (July 20, 2018).
47. Hernandez, J. A., Castro, V. L., Quintana, A.M., Society for Developmental Biology Annual Meeting, "The cholesterol synthesis pathway regulates erythropoiesis by discrete molecular mechanisms." Society for Developmental Biology, Portland Oregon. (July 20, 2018).
48. Castellanos, B. S., Yu, H.-C., Coughlin II, C. R., Shaikh, T. H., Quintana, A.M., Society for Developmental Biology Annual Meeting, "Using zebrafish as a model to understand the role of HSPG2 in early craniofacial development," Society for Developmental Biology, Portland Oregon. (July 20, 2018).

49. Gonzalez, C. G., Hernandez, J. A., Quintana, A.M., Annual Experimental Biology Meeting 2018, "Cholesterol regulates craniofacial development by modulating the WNT signaling pathway." American Association of Anatomists, San Diego. (April 24, 2018).
50. Reyes, J. F., Castro, V. L., Reyes-Nava, N. G., Quintana, A.M., Annual Experimental Biology Meeting 2018, "Mutations in the zebrafish ortholog of HCFC1 reveal a critical function in neural precursor function." American Association of Anatomists, San Diego. (April 24, 2018).
51. Love, J. K., Quintana, A.M., COURI Spring Annual Symposia, "Zebrafish larvae: An emerging system for the study of melanoma metastasis," The University of Texas El Paso. (April 21, 2018).
52. Castro, V. L., Reyes, J.F., Quintana, A. M., Graduate Student Research Expo, "Functional analyses of the HCFC1 Zebrafish orthologs, hcfc1a and hcfc1b, implicate a critical function of the gene during early vertebrate brain development," The University of Texas El Paso, El Paso. (November 9, 2017).
53. Castellanos, B. S, Quintana, A. M., Graduate Student Research Expo, "Mutations in HSPG2 cause defects in craniofacial development." The University of Texas El Paso, El Paso TX. (November 9, 2017).
54. Hernandez, J. A., Quintana, A. M., Graduate Student Research Expo, "Red Blood Cell Development Is Regulated By Cholesterol and Farnesylated Isoprenoids," The University of Texas El Paso. (November 9, 2017).
55. Reyes-Nava, N., Yu, H.-C., Coughlin II, C. R., Shaikh, T. H., Hernandez, J. A., Quintana, A.M., Graduate Student Research Expo, "Zebrafish, a model for seizure disorders?" The University of Texas El Paso, El Paso TX. (November 9, 2017).
56. Gonzalez, C. G., Hernandez, J. A., Quintana, A. M., RCMI Translational Science 2017, "Analyzing the function of cholesterol in facial development." Research Centers in Minority Institutions, Washington DC. (October 31, 2017).
57. Reyes, J. F., Castro, V. L., Quintana, A.M., SACNAS Annual Meeting, "A zebrafish model of cbIX syndrome reveals novel function for HCFC1 during early brain development." Society for the Advancement of Chicanos and Native Americans, Salt Lake City Utah. (October 20, 2017).
58. Gonzalez, C. G., Hernandez, J. A., Quintana, A.M., Society for the Advancement of Chicanos and Native Americans Annual Meeting, "Functional analysis of the zebrafish hmgcs1 gene uncovers novel functions for cholesterol and isoprenoids during vertebrate facial development.," Society for the Advancement of Chicanos and Native Americans, Salt Lake City Utah. (October 20, 2017).
59. Hernandez, J. A., Francia, G., Carcamo, B., Quintana, A.M., Border Biomedical Research Symposia 2017, "Evaluation of metronomic chemotherapy in zebrafish; impact of continuous low-dose valproic acid with alternating cyclophosphamide and etoposide administration," University of Texas El Paso. (September 17, 2017).
60. Reyes-Nava, N., Yu, H.-C., Coughlin II, C. R., Shaikh, T. H., Hernandez, J. A., Quintana, A.M., Border Biomedical Research Symposia 2017, "Functional Analysis of GABRA1 in zebrafish," University of Texas El Paso. (September 17, 2017).
61. Gonzalez, C., Hernandez, J. A., Quintana, A.M., Border Biomedical Research Symposia 2017, "Functional analysis of the zebrafish hmgcs1 gene uncovers novel functions for cholesterol and isoprenoids during vertebrate facial development." University of Texas El Paso. (September 17, 2017).

62. Castro, V. L., Quintana, A.M., Border Biomedical Research Symposia 2017, "Functional analysis of the zebrafish ortholog of HCFC1 reveals a critical function in brain development." University of Texas El Paso. (September 17, 2017).
63. Lopez, D., Quintana, A.M., Border Biomedical Research Symposia 2017, "Hcfc1a Regulates mmachc expression in a zebrafish model of cblx syndrome." University of Texas El Paso, El Paso TX. (September 17, 2017).
64. Castellanos, B. S., Quintana, A.M., Border Biomedical Research Symposia 2017, "Using zebrafish as a model to understand the role of HSPG2 in craniofacial development," The University of Texas El Paso. (September 17, 2017).
65. Lopez, D., Quintana, A.M., Bridges to Baccalaureate, "Hcfc1a Regulates mmachc expression in a zebrafish model of cblX syndrome." University of Texas El Paso. (July 31, 2017).
66. Hernandez, J. A., Castro, V. L., Quintana, A.M., EPCC Art and Science Summer Symposium, "Targeted disruptions of the cholesterol synthesis pathway reveal overlapping functions for cholesterol and isoprenoids in red blood cell development," El Paso Community College. (July 31, 2017).
67. Quintana, A.M., Hernandez, J. A., Gonzalez, C. G., Society for Developmental Biology, "Functional analysis of the zebrafish ortholog of HMGCS1 reveals independent functions for cholesterol and isoprenoids in craniofacial development." (July 13, 2017).
68. Castro, V. L., Quintana, A.M., National Symposium for Undergraduate Research, "Functional analysis of the zebrafish ortholog of HCFC1 reveals a critical function in brain development." St. Jude Children's Research Hospital, Memphis TN. (June 14, 2017).
69. Reyes, J. F., Castro, V. L., Quintana, A.M., UTEP COURI Symposium, "HCFC1 regulates the function of neural precursors during early vertebrate development." University of Texas El Paso. (April 29, 2017).
70. Castellanos, B. S., Castro, V. L., Enriquez, V., Quintana, A.M., UTEP COURI Symposium, "HSPG2 mutations in a patient with cartilaginous phenotypes implicates perlecan in early craniofacial development," University of Texas El Paso. (April 29, 2017).
71. Castro, V. L., Quintana, A.M., UTEP COURI Symposium, "Improving CRISPR/Cas9 germline efficiency using a combinatorial algorithmic approach." University of Texas El Paso. (April 29, 2017).
72. Hernandez, J. A., Castro, V. L., Quintana, A.M., 2016 Graduate Student Expo, "Targeted disruptions of the cholesterol synthesis pathway reveal overlapping functions for cholesterol and isoprenoids in red blood cell development.," University of Texas El Paso. (November 11, 2016).
73. Reyes-Nava, N., Yu, H.-C., Coughlin II, C., Shaikh, T. H., Hernandez, J. A., Quintana, A.M., 2016 Annual Biomedical Research Conference for Minority Students, "Mutations in GABRA1 cause a multiple congenital anomaly syndrome characterized by a severe seizure phenotype.," Tampa Florida. (November 10, 2016).
74. Larson, A. A., Quintana, A.M., Yu, H.-C., Geiger, E. A., Hernandez, J. A., Stence, N. V., Kuzniecky, R. I., Coughlin II, C. R., Meeks, N. J.L., Shaikh, T. H., American Society of Human Genetics Annual Meeting, "De novo dominant mutations and inherited recessive mutations in

RALGAPB cause seizures, intellectual disability and cortical malformations," American Society of Human Genetics, Vancouver Canada. (October 18, 2016).

75. Quintana, A.M., Yu, H.-C., Brebner, A., Pupavac, M., Geiger, E. A., Cheung, W., Chen, S.-H., Watkins, D., Pastinen, T., Skovby, F., Appel, B., Rosenblat, D. S., Shaikh, T. H., American Society of Human Genetics Annual Meeting, "THAP11 mutations in a patient with a cbIX-like phenotype implicates the HCFC1/THAP11 complex in regulation of cobalamin metabolism and early vertebrate development." American Society of Human Genetics, Vancouver Canada. (October 18, 2016).
76. Stokes, J. J., Hernandez, J. A., Ness, S. A., Quintana, A.M., COURI Summer Symposium, "Modulation of hematopoietic lineage commitment through naturally occurring myb variants," UTEP, El Paso TX. (August 6, 2016).
77. Lara, A., Saenz, E., Hernandez, J. A., Quintana, A.M., COURI Summer Symposium 2016, "HCFC1 modulates the differentiation of myelinating Schwann cells in the zebrafish lateral line," UTEP, El Paso TX. (August 6, 2016).
78. Reyes-Nava, N., Yu, H.-C., Coughlin II, C. R., Shaikh, T. H., Hernandez, J. A., Quintana, A.M., COURI Summer Symposium 2016, "Mutations in GABRA1 cause a multiple congenital anomaly syndrome characterized by a severe seizure phenotype.," UTEP, El Paso TX. (August 6, 2016).
79. Reyes-Nava, N., Yu, H.-C., Coughlin II, C. R., Shaikh, T. H., Hernandez, J. A., Quintana, A.M., EPCC Bridges Symposium, "Mutations in GABRA1 cause a multiple congenital anomaly syndrome characterized by a severe seizure phenotype.," EPCC/UTEP, El Paso TX. (August 1, 2016).
80. Castro, V.L., Jose, H. A., Quintana, A.M., COURI Spring Annual Symposia, "The cholesterol biosynthesis pathway regulates red blood cell differentiation." COURI UTEP, University of Texas El Paso. (April 30, 2016).
81. Shaikh, T. H., Elizabeth, G. A., Appel, B., Quintana, A.M., American Society of Human Genetics, "The cbIX gene, HCFC1, regulates craniofacial development by modulating MMACHC expression," San Diego California. (October 18, 2014).
82. Quintana, A.M., Appel, B., Shaikh, T. H., Developmental Psychobiology Research Program Annual Retreat, "The cellular and molecular mechanisms associated with HCFC1 mediated intellectual disability," University of Colorado, Denver, Colorado. (May 2014).
83. Quintana, A.M., Appel, B., Shaikh, T. H., Department of Psychiatry Junior Faculty Poster Session, "hcf1b, an ortholog of HCFC1, regulates craniofacial development by modulating expression of mmachc." University of Colorado, Denver, Colorado. (March 2014).
84. Quintana, A.M., Appel, B., Shaikh, T. H., Society of Developmental Biology Regional Meeting, "hcf1b, an ortholog of HCFC1, regulates craniofacial development by modulating expression of mmachc." Society for Developmental Biologists, Denver, Colorado. (March 2014).
85. Quintana, A.M., Appel, B., Shaikh, T. H., Department of Psychiatry Junior Faculty Poster Session, "Functional Characterization of Hcf1 during development," University of Colorado, Denver, Colorado. (2013).
86. Quintana, A.M., Ness, S. A., American Association of Cancer Research, "Cell Cycle Dependent Regulation of c-Myb Target Gene Specificity," American Association of Cancer Research. (2011).

87. Quintana, A.M., Pena, J. J., Ness, S. A., American Association of Cancer Research, "Changes in c-Myb Specificity and Activities During the Cell Cycle in T-ALL and AML.," American Association of Cancer Research. (2010).
88. Quintana, A.M., O'Rourke, J.P., Ness, S. A., Mechanisms of Eukaryotic Transcription, "Acetylation affects c-Myb Specificity in Estrogen Stimulated MCF-7 Cells," Cold Spring Harbor. (2009).
89. Quintana, A.M., O'Rourke, J.P., Ness, S. A., National Graduate Student Symposium, "Acetylation affects c-Myb Activity during the Cell Cycle," St. Jude Children's Research Hospital, Memphis TN. (2009).
90. Quintana, A.M., O'Rourke, J.P., Ness, S. A., American Association for Cancer Research, "c-Myb Binds to and regulates the CXCR4 Promoter," American Association of Cancer Research. (2008).
91. Quintana, A.M., Ness, S. A., Biomedical Sciences Graduate Program Student Research Day, "Cell Cycle Regulation of the c-Myb Protein," University of New Mexico, Albuquerque, NM. (2007).
92. Quintana, A.M., Ness, S. A., IMSD Student Symposia, "Enhanced c-Myb expression at the G1/S Transition of the Cell Cycle," University of New Mexico. (2007).
93. Quintana, A.M., Ness, S. A., SACNAS, "Enhanced c-Myb Expression at the G1/S Transition of the Cell Cycle," Society for the advancement of Chicanos and Native Americans in Science. (2007).
94. Quintana, A.M., Ortega, J. L., Sengupta-Gopalan, C., Annual Biomedical Research Conference for Minority Students, "Regulation of Cytosolic Glutamine Synthetase at a Post-Transcriptional Level in Alfalfa and Tobacco," ABRCMS. (2005).
95. Quintana, A.M., Ortega, J. L., Sengupta-Gopalan, C., Undergraduate Research and Creative Arts Symposium, "Post-transcriptional Regulation of Glutamine Synthetase in Alfalfa." New Mexico State University. (2005).

Invited Presentations:

1. Quintana, A., Gordon Research Conference: Craniofacial Morphogenesis and Tissue Regeneration, "Deciphering the role of the vitamin B12 binding domain protein, MMACHC, in facial development," Barcelona Spain (May 26-31, 2024).
2. Quintana, A., Southwest Regional Society for Developmental Biology Meeting, "Lipid regulation of morphogen gradients during facial development," University of Colorado, Anschutz Medical Campus. (March 1-3, 2024).
3. Quintana, A., UR-IDDRC and Del Monte Institute of Neuroscience Symposium: Exploration in the Science of IDD, "Using the power of zebrafish to unravel the function of Host Cell Factor-1 in early brain development," University of Rochester. (September 28-29, 2023)
4. Quintana, A., Neuroscience Seminar, "Applications for zebrafish for larval and adult behavioral assays.," The University of Texas El Paso. (January 17, 2022).
5. Quintana, A., University of Delaware Seminar Series, "Zebrafish as a model to understand genetic pediatric disorders.," University of Delaware, Virtual. (November 8, 2021).

6. Quintana, A.M., Invited Talk, "Functional analysis: A path toward understanding the mechanisms underlying pediatric disorders." University of Texas El Paso, El Paso, Texas. (September 2020).
7. Quintana, A.M., American Society for Cell Biology, Transitions Academy. Washington D.C. (December 7, 2019).
8. Quintana, A.M., Society for the Advancement of Chicanos and Native Americans Annual Meeting, "Zebrafish: A model organism for *cb1X* syndrome," San Antonio, Texas. (October 13, 2018).
9. Quintana, A.M., University of New Mexico Graduate Program, "Careers alternatives at teaching institutions," University of New Mexico, Albuquerque, New Mexico. (March 12, 2018).
10. Quintana, A.M., Invited Speaker, "Mutations in the zebrafish *hmgcs1* gene uncover tissue specific functions for cholesterol and isoprenoids." University of New Mexico, Albuquerque NM. (February 1, 2018).
11. Quintana, A.M., Invited Speaker, "Functional analysis demonstrates novel mechanisms underlying rare genetic disorders." Society for the Advancement of Chicanos and Native Americans. (October 19, 2017).
12. Quintana, A.M. and Hernandez, J. A., Border Biomedical Research Symposia 2017, "Deciphering the functions of the cholesterol synthesis pathway during erythropoiesis." University of Texas El Paso. (September 17, 2017).
13. Quintana, A.M., Invited Speaker, "Elucidating the function of the cholesterol synthesis pathway during development and disease," New Mexico State University, Las Cruces NM. (September 28, 2017).
14. Quintana, A.M., Invited Speaker, "Uncovering the role of genes in development and disease." University of Texas at El Paso, El Paso, Texas. (March 2015).
15. Quintana, A.M., Invited Speaker, "Functional analysis of genes in development and disease." West Texas A&M, Canyon, Texas. (2014)
16. Quintana, A.M., Invited Speaker, "Uncovering the role of genes in development and disease," Saint Mary's College, Notre Dame, Indiana. (2014).
17. Quintana, A.M., Appel, B., Shaikh, T. H., Society of Developmental Biology Regional Meeting, "*hcfc1b*, an ortholog of *HCFC1*, regulates craniofacial development by modulating expression of *mmachc*." Society for Developmental Biologists, Denver, Colorado. (March 2014).

Active Funding:

1. R03 DE029517-01A1 (No Cost Extension)

Quintana, Anita M (PI)
 1/1/2021-12/31/2024 (NCE)
 Award Amount: 302,000
 MMACHC regulates craniofacial development.

2. T34GM145529-01

Quintana, Anita (Co-Principal)
 4/1/2022-3/31/2027
 U-RISE at UTEP
 Annual Direct Costs: 696,920

Lee, Wen-Yee (Co-Principal), Aguilera, Renato (Principal)

3. 3U54MD007592-29S6

Quintana, Anita M (Supporting Co-Investigator)

6/1/2022-2/28/2023

Award Amount: 380,000

Roychowdhury, Sukla (Principal), Das, Siddhartha (Supporting), Kirken, Robert (Supporting)

4. CPRIT: TREC: Institutional Postdoctoral Training Award

Anita Quintana (Supporting co-investigator @ 5% effort)

UTEP Postdoctoral Career Transition Program in Cancer Research

Total Costs: 850,000/3 years

Liu, Weiqin (Principal)

5. NIDDK Type B Pilot Award under U24DK126127

Anita Quintana (co-principal sub-contract provided to UTEP)

Intrinsic regulation of erythropoiesis by the cholesterol synthesis pathway

Total Costs: 75,000 to Fred Hutch with sub-contract to UTEP of 10,800

Termini, Christina (Principal)

Pending Funding

1R01HD114737-01

Quintana, Anita, M (PI)

Functional analysis of MMACHC variants in craniofacial development

Direct costs: 250,000/annually for 5 years

Pending Council

Impact Score: 59

Initial Submission (6/5/2023)

1R03TR004596-01

Quintana, Anita, M (PI)

Neurodevelopmental function of ASXL1

Direct Costs: 100,000

Resubmitted (July 10, 2023)

Original Submission Impact Score: 39

Pending Review Nov. 15, 2023

R01HD113554-01

Quintana, Anita, M (PI)

Characterizing the role of cholesterol metabolism during craniofacial development

Direct Costs: 250,000/annually for 5 years

Percentile scoring on original submission (39%)

Resubmitted Nov. 6, 2023

Pending Review

University Research Institute

Quintana, Anita, M (PI)

Treatment of seizure susceptibility in *cb1X* syndrome.

Direct Costs: 5000/annual

Pending Review

Previous Funding

**Border Biomedical Research Center Pilot Award. Federal Via University of Texas El Paso
U54 Mechanism**

Quintana, Anita M (PI)

4/1/2020-3/31/2022

Direct Costs: 45,000/annually

Role of HCFC1 in cell Proliferation

Role PI

University Research Institute

Quintana, Anita M (PI)

1/1/2021-12/31/2021

Direct Costs: 5,000/annually

Function of HCFC1 in PI3K/AKT signaling for student salary support on overlapping project.

K01 Career Development Award NINDS

Quintana, Anita M (PI)

9/1/2017-8/31/2021

Total Award: 700,932

Mutations in HCFC1 alter neural precursor differentiation.

Role PI

Border Biomedical Research Center Faculty Pilot Award

Quintana, Anita M (PI)

4/1/2017-3/31/2018

Total Direct Cost: \$25,000/Annually

Statin treatment reduces the metastatic potential of hematopoietic malignancies.

Role PI

BUILDing Scholars Faculty Pilot Award

Quintana, Anita M (PI)

8/1/2016-7/31/2017

Total Direct Cost: \$20,000/Annually

Alternative splicing of the myb gene regulates hematopoietic lineage commitment.

Role PI

University of Texas El Paso University Research Institute

“HCFC1 regulates Schwann cell differentiation and PNS myelination.”

P.I. Anita M. Quintana

Total Costs: 5,000 direct costs.

**University of Colorado Developmental Psychopathology, Psychobiology & Behavior T32
Training program**

P.I. Ross, Randal G

08/1/2012-07/31/2015

Role: Post-doctoral fellow

Colorado Clinical and Translational Sciences Institute Mentored Award

Title: Hcfc1 regulates neural precursor specification, differentiation, and proliferation by modulating the expression of Phactr4.

P.I. Anita M. Quintana

Total Costs: 8,000 direct costs

DPEF Endowment Recipient

Title: Characterization of the cellular and molecular mechanisms associated with mutation of *HCFC1*.

P.I. Anita M Quintana

Total Costs: 5,000 direct costs

Heart, Lung and Blood Institute, NIH (1F31 HL090024-02)

Title: Post-translational Modifications Affect c-Myb Specificity.

P.I. Anita M. Quintana

2007-2010

\$97,383 total direct costs/4 years

Development Activities Attended:

1. Hematopoiesis Webinar, Zebrafish Disease Models Society (April 26, 2023)
2. Grant writing group attendee and member (Biweekly), The University of Texas at El Paso. (August 1, 2016 – April 27, 2023).
3. Webinar, "Zebrafish Neural Circuits." Zebrafish Neural Circuits and Behavior Working Group. (December 8, 2022)
4. Webinar, "Metabolic and Nutritional Control of Development and Regeneration." Development Presents. (December 7, 2022).
5. Continuing Professional Education, "Neuroscience Seminar." University of Texas El Paso. (January 17, 2022).
6. Conference Attendance, "Structural Birth Defects Trainee Symposium." Society for Developmental Biology. (November 2, 2021).
7. Conference Attendance, "80th Annual SDB Meeting." Society for Developmental Biology. (July 2021).
8. Workshop, "Inclusion and Diversity in the Research Lab." Society for Developmental Biology. (July 2021).
9. Workshop, "Defining Academic Excellence." Society for Developmental Biology. (July 2021).
10. Conference Attendance, "Stowers Research Conferences: Developmental Cell Biology." Stowers Institute. (April 2021).
11. Webinar, "Sex hormones and the human developing brain." Company of Biologists. (April 2021).
12. Conference Attendance, "Research Centers in Minority Institutions Consortium National Conference." RCMI Consortium. (March 2021).
13. Conference Attendance, "Northwest Regional Meeting 2021." Society for Developmental Biology. (March 2021).

14. Webinar, "Writing the NIH Research Grant (R01)." Leica Microsystems. (February 2021).
15. Webinar, "Developmental Biology Presents" Company of Biologists. (January 2021).
16. Conference Attendance, "Development: Stem cells to Human Development." Company of Biologists. (September 2020.)
17. Workshop, "Meet the National Science Foundation," Society for Developmental Biology. (July 10, 2020).
18. Webinar, "MBL Zebrafish Webinar," Marine Biological Laboratory. (July 7, 2020).
19. Workshop, "Optimizing Different Mentoring Strategies in the Research Lab," Society for Developmental Biology. (July 11, 2020).
20. Workshop, "How to carry out your research program online (For PIs)," Society for Developmental Biology. (July 11, 2020).
21. Continuing Education Program, "Faculty Research Education and Development Program Mock Study Section," American Society for Cell Biology. (December 2019).
22. Workshop Grant Writers' Seminars and Workshops (2019).
23. Faculty Research Education Development Fellow (2019-2020). Grant Writing Training with mentor Dr. David Traver, UCSD
24. Future Research Leaders Conference, National Institutes of Health. (2019).
25. Mentoring Institute for Neuroscience Diversity Scholar Fellow (2018-2019). Grant Writing Training with Mentor: Jenny Hsieh UTSA
26. Faculty Research Education Development Fellow (2017-2018). Grant Writing Training with mentor Dr. Scott Ness, UNM
27. Workshop, "ASCB Junior Faculty Workshop," American Society of Cell Biology. (July 16, 2016 - July 18, 2016).
28. Workshop, "Howard Hughes Medical Institute Sponsored Summer Teaching Institute," Howard Hughes Medical Institute. (June 13, 2016 - June 17, 2016).
29. Workshop, "NMRN Southeast Grant Training Workshop," NRMN Southeast Training Hub. (May 18, 2016 - May 20, 2016).
30. Teaching Conference, "CeTal SUN Conference for teaching and Learning," University of Texas El Paso. (March 17, 2016 - March 18, 2016).
31. Workshop, "Fall Instructional Retreat," UTEP. (August 20, 2015).
32. Grant Training Center: How to find and successfully compete for NIH grants (2013)

Service (Leadership Roles in Bold)

1. Departmental

- a. **Organizer, First Annual Biomedical Sciences** Symposium (August 2023)
 - b. **Program Director**, Bioscience PhD Program (July 2023-Present)
 - c. **Co-Chair**, Modifications to PhD handbook (December 2022-May 2023)
 - d. **Founding Co-Chair**, Biomedical Sciences Advisory Committee (December 2022-August 2023)
 - e. **Co- Director**, Bioscience PhD Program (November 2022-July 2023)
 - f. Committee Member, Departmental Advisory Committee (September 2022-Present)
 - g. Committee Member, Juan Carlos Silva (Fall 2022-Present)
 - h. Committee Member, Zhaobo Li (September 1, 2022-Spring 2023)
 - i. Advocate for Qualifying Examination, Omar Rodriguez-Moncivais (November 2022)
 - j. Committee Member, Danial Von Salzen (Summer 2021-Present)
 - k. Committee Member, Robert Walsmith (Fall 2020-2023)
 - l. Committee Member, Samuel Castillo (Fall 2020-Present)
 - m. Dissertation Committee Chair, Briana Pinales (July 2021-Present)
 - n. Committee Member, Karen Santillan (April 1, 2021-Present)
 - o. Committee Member, Sara Bustamante (Fall 2020-Spring 2021)
 - p. Committee Member, Karsten Azumeca (Fall 2020-Summer 2021)
 - q. Committee Member, Myriah Acuna (Spring 2020-January 2021)
 - r. Committee Member, Felipe Rodriguez (November 1, 2020-January 1, 2020)
 - s. Committee Member for Re-Opening of Research Lab and Planning Committee (May 2020)
 - t. Oversee/Facilitate Temporary Graduate Faculty Status (November 2019-November 2022)
 - u. Committee Chair Graduate Admissions (Fall 2023-Present)
 - v. Committee Member Graduate Admissions (December 2019-Summer 2023)
 - w. Committee Member Program Advisory master's degree (August 2015-Present)
 - x. Committee Member Faculty Search Neuroscience (September 2018-May 2019)
 - y. Committee Member Disease Biology Faculty Search (June 15, 2016-March 2017)
 - z. Dissertation Committee Co-Chair Jose Hernandez (Fall 2016-Present)
 - aa. Dissertation Committee Chair Nayeli Reyes Nava (Fall 2017-Summer 2023 PhD awarded)
 - bb. Dissertation Committee Chair Victoria Castro (Fall 2017-Spring 2023 PhD awarded)
 - cc. Dissertation Committee Chair David Paz (Spring 2019-Present)
 - dd. Dissertation Committee Chair Barbara Castellanos (Fall 2019-Present)
 - ee. Dissertation Committee Chair Thur-Shloa Hisa (Fall 2023-Present)
 - ff. Thesis Committee Chair Thur-Shloa Hisa (Fall 2022-Fall 2023) Transfer to PhD Program
 - gg. Thesis Committee Chair Barbara Castellanos (Fall 2017-December 2019; MS degree Awarded)
 - hh. Committee Member Undergraduate Honors Thesis John Martin Sabandal (Spring 2017-Summer 2017)
 - ii. Dissertation Committee Member Jose Luis Gutierrez (2015-2017)
 - jj. Dissertation Committee Member Anahes Tena (2017-2018)
 - kk. Dissertation Committee Member Jose Cano (2015-2019, Ph.D Awarded)
 - ll. Master's Thesis Committee Member Chelsea George (2019-2020, MS Awarded)
 - mm. Dissertation Committee Member Priyanka Gade (Chemistry) (2019-Present)
 - nn. Dissertation Committee Member Karla Parra (2018-2019, Ph.D Awarded)
 - oo. Master's Thesis Committee Member Michelle Aranda (2019, Degree Awarded)
 - pp. Dissertation Committee Member Vanessa Enriquez (2019-2021 Ph.D Degree Awarded)
2. College
 - a. Attendee Pre-commencement (Fall 2015)
 - b. Attendee Pre-commencement (Spring 2016)
 - c. Attendee Commencement (Spring 2016)
 - d. Attendee Pre-commencement (Fall 2016)
 - e. Attendee Commencement (Spring 2017)
 - f. Attendee Pre-commencement (Spring 2018)
 - g. Attendee Pre-commencement (Spring 2019)

- h. Attendee Neuroscience Research Group (2019) for BBRC renewal
- i. Attendee College Grant Writers Group (Biweekly since 2016-May 2023)
- j. Committee Member Research Task Force (May 2022-May 2023)

3. University

- a. **Co-Director** CPRIT Institutional Post-Doctoral Training grant (Fall 2023-Present)
- b. Search Committee Member Behavioral Neuroscience Psychology (Fall 2023)
- c. **Co-Director** of the U-RISE at UTEP T34 training grant program (2022-Present)
- d. **Vice Chair** Alternate Institutional Animal Care and Use Facility (2021-2023)
- e. Committee Member Graduate Council (September 2021-September 2023)
- f. UTEP EDGE Fellow (February 2020-2022)
- g. Speaker: Bridge to the Doctorate Pilot Program (July 2021)
- h. VIP Visit Participant (April 2021)
- i. Meeting Attendee BUILDing Scholars Steering Committee (March 2021)
- j. Committee Member Alternate Institutional Animal Care and Use Facility (2018-2021)
- k. Committee Member Faculty Senate (2017-2019)
- l. Committee Member Pharmacy Annual Performance Review (2019-2022)
- m. Committee Member Presidential Committee Faculty Search (2018)
- n. Committee Member Graduate Scholarship Committee (2017-2018)
- o. Chair Graduate Scholarship Committee (2015-2017)
- p. Attendee Faculty Senate Retreat (2017)
- q. Judge for COURI Annual Symposium (2017)
- r. Judge for COURI Annual Symposium (2016)

4. Professional

- a. Reviewer: Aging Cell (October 2023)
- b. Reviewer: Cell Biology, Developmental Biology, and Bioengineering Special Emphasis Panel for Fellowships F05-Q (June 2023)
- c. Reviewer, Biomolecules (April 2023)
- d. Reviewer, Differentiation (March 2023)
- e. Reviewer: Cell Biology, Developmental Biology, and Bioengineering Special Emphasis Panel for Fellowships F05-Q (March 2023)
- f. **Committee Member**, Diversity, and Inclusion Committee; Society for Developmental Biology (April 2022-Present)
- g. **Editorial Board Member**, Differentiation (November 2021-Present)
- h. Reviewer, American Heart Association "Cardiac Sciences" (November 2022)
- i. **Reviewer, NIDA-K CDET Study Section (October 2022)**
- j. Reviewer, Differentiation (September 2022)
- k. Reviewer, Biomedicines (July 2022)
- l. Reviewer, Biomedicines (June 2022)
- m. Reviewer, Genes (March 2022)
- n. **Reviewer, DEV1 Study Section National Institutes of Health (February 2022)**
- o. Reviewer, Genes, Brain, and Behavior (January 2022)
- p. Reviewer, Genes (December 3, 2021)
- q. Reviewer, Journal of Precision Medicine (November 2021)
- r. **Reviewer, National Science Foundation Neural Systems Cluster (October 2021)**
- s. Reviewer, American Heart Pre/Post-doctoral Fellowships (October 2021)
- t. Reviewer, eLife (October 2021)
- u. Reviewer, Toxicology and Applied Pharmacology (May 2021)
- v. Reviewer, American Heart Association Fellowship Awards (December 2020-March 2021)
- w. Reviewer, Frontiers in Neuroscience (March 2021)
- x. Reviewer, Life Sciences (January 2021)
- y. Reviewer, Manuscript for Neuroscience Letters (August 2020)
- z. Reviewer, Manuscript for Genes, Brain, and Behavior (July 2020, October 2020)

- aa. **Chair**, Symposia for Society for Developmental Biology (July 2020)
 - bb. **Chair**, Symposia for Society for Developmental Biology Poster Session (July 2020)
 - cc. Reviewer, Manuscript for SI Clinical Medicine: Research (June 2020)
 - dd. Reviewer, Signal Transduction Research for Cancer Therapy (March 2020)
 - ee. Reviewer, Frontiers in Clinical Drug Research (March 2020)
 - ff. Reviewer, Journal of Neuroscience (February 2020)
 - gg. Reviewer, Signal Transduction Research for Cancer Therapy (January 2020)
 - hh. Reviewer, Signal Transduction Research for Cancer Therapy (December 2019)
 - ii. Mentor, American Society for Cell Biology Minority Affairs Committee (December 2019)
 - jj. Member, American Society for Cell Biology (2016-Present)
 - kk. Member, Society for Development Biology (2015-Present)
 - ll. Member, Society for the Advancement of Chicanos and Native Americans (2017-Present)
 - mm. Reviewer, Ad hoc Journal of Developmental Biology (2016-Present)
 - nn. Poster Judge, American Society for Cell Biology Minority Affairs Committee (December 2019)
 - oo. Speaker, Transitions Academy, American Society for Cell Biology (December 2019)
 - pp. Reviewer, PLoS One (November 2019)
 - qq. Reviewer, Grant Proposal for American Heart Association Cardiac Fellowships Member (2019)
 - rr. Reviewer, Journal of Haematologica (2019)
 - ss. Reviewer, Journal of Neuroscience (2018)
 - tt. Reviewer, American Heart Association (2018)
 - uu. Reviewer, American Heart Association (2018)
 - vv. Reviewer, American Heart Association (2017)
 - ww. Reviewer, American Heart Association (2016)
 - xx. Reviewer, Sinauer Associates Inc (2015)
5. Community
- a. Co-host, Eastwood Middle School Field Trip to University of Texas El Paso (2019)
 - b. Co-host, Eastwood Middle School Field Trip to University of Texas El Paso (2018)