

Pamela N. Martinez
New Mexico State University
INNOVATIVE MEDIA RESEARCH & EXTENSION DEPARTMENT
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Education

Edd, Pepperdine University, 2017.
Major: Learning Technologies
Supporting Areas of Emphasis: Learning Technologies
Dissertation Title: Active games: an examination of user engagement to define design recommendations

Master of Arts, New Mexico State University, 2005.
Major: Curriculum & Instruction - Learning Technologies

BA, New Mexico State University, 1996.
Major: Journalism and Mass Communications

Bachelor of Arts, New Mexico State University, 1996.
Major: Journalism & Mass Communications

Employment History

Academic - Post-Secondary

Assistant Professor, New Mexico State University - Innovative Media Research and Extension. (September 1, 2017 - Present).

Professional

Assistant Director/Program Manager, New Mexico State University - Media Productions. (November 1, 2003 - August 31, 2017).

Multimedia Designer Sr, New Mexico State University - Ag Communications. (June 1, 1997 - October 31, 2003).

Professional Memberships

North American Colleges and Teachers of Agriculture. (December 2017 - Present).

Higher Education Video Game Alliance. (November 2017 - Present).

Association for Communications Excellence in Agriculture, Natural Resources, and Life and Human Sciences. (June 2017 - Present).

Station Representative, NC1023: Engineering for Food Safety and Quality. (June 2017 - Present).

Station Representative, S1077: Enhancing Microbial Food Safety by Risk Analysis. (June 2017 - Present).

Development Activities Attended

Webinar, "Innovative Media Research and Extension Showcase and Listening Session," Innovative Media Research and Extension Department, Las Cruces, NM, USA. (October 7, 2019 - October 9, 2019).

Conference Attendance, "Connected Learning Summit," UC Irvine, Irvine, CA, USA. (October 2, 2019 - October 4, 2019).

Continuing Education, "Creating a Service-Oriented Culture," The NM EDGE Classes -- NMSU Cooperative Extension Classes, Albuquerque, New Mexico, US. (September 16, 2019 - September 19, 2019).

Continuing Education, "Eliminating Discrimination in the Workplace," The NM EDGE Classes -- NMSU Cooperative Extension Classes, Albuquerque, New Mexico, US. (September 16, 2019 - September 19, 2019).

Continuing Education, "Ethics and Managing Public Funds," The NM EDGE Classes -- NMSU Cooperative Extension Classes, Albuquerque, New Mexico, US. (September 16, 2019 - September 19, 2019).

Continuing Education, "Ethics and Professionalism," The NM EDGE Classes -- NMSU Cooperative Extension Classes, Albuquerque, New Mexico, US. (September 16, 2019 - September 19, 2019).

Continuing Education, "Foundations of Communication," The NM EDGE Classes -- NMSU Cooperative Extension Classes, Albuquerque, New Mexico, US. (September 16, 2019 - September 19, 2019).

Continuing Education, "Managing Your Public Image," The NM EDGE Classes -- NMSU Cooperative Extension Classes, Albuquerque, New Mexico, US. (September 16, 2019 - September 19, 2019).

Webinar, "National Youth Science Day challenge Game Changers," National 4-H. (July 24, 2019).

Conference Attendance, "International Conference - Santa Fe Interplanetary Fest," Santa Fe Institute of Science, Santa Fe, New Mexico, USA. (July 14, 2019 - July 16, 2019).

Professional Media, "Designing Accessible Games," BrainPOP FableVision Studios, New York, New York, United States. (June 20, 2019).

Conference Attendance, "Games for Change," New York, New York, United States. (June 17, 2019 - June 19, 2019).

Webinar, "Get Started With AR/VR/Mixed Reality," International Society for Technology in Education (ISTE): School Library Journal, Online. (April 24, 2019).

2019 NAE4-HA STEM Working Group Webinar, "NAE4-HA STEM Working Group: National Updates & the 2019 Webinar Schedule," National Association of Extension 4-H Agents (NAE4-HA). (February 12, 2019).

Short Course, "Publish & Flourish - Become a Prolific Scholar Spring 2019," NMSU Teaching Academy, Las Cruces, New Mexico, US. (February 12, 2019).

Conference Attendance, "Using Zoom to Deliver Synchronous and Asynchronous Professional Development Content.," Association for Communication Excellence. (February 8, 2019).

Continuing Education, "Conflict Resolution," The NM EDGE Classes -- NMSU Cooperative Extension Classes, Albuquerque, New Mexico, US. (September 24, 2018 - September 27, 2018).

Continuing Education, "Conflict Resolution Among Employees," The NM EDGE Classes -- NMSU Cooperative Extension Classes, Albuquerque, New Mexico, US. (September 24, 2018 - September 27, 2018).

Continuing Education, "Congratulations You're a Leader," The NM EDGE Classes -- NMSU Cooperative Extension Classes, Albuquerque, New Mexico, US. (September 24, 2018 - September 27, 2018).

Continuing Education, "Improving Writing Skills," The NM EDGE Classes -- NMSU Cooperative Extension Classes, Albuquerque, New Mexico, US. (September 24, 2018 - September 27, 2018).

Continuing Education, "Knowing Your Government," The NM EDGE Classes -- NMSU Cooperative Extension Classes, Albuquerque, New Mexico, US. (September 24, 2018 - September 27, 2018).

Continuing Education, "Self-Management for a Sustainable Career," The NM EDGE Classes -- NMSU Cooperative Extension Classes, Albuquerque, New Mexico, US. (September 24, 2018 - September 27, 2018).

Continuing Education, "The Public Policy Making Process," The NM EDGE Classes -- NMSU Cooperative Extension Classes, Albuquerque, New Mexico, US. (September 24, 2018 - September 27, 2018).

Seminar/Workshop, "Earth Science Program Overview - NSF," National Science Foundation, Las Cruces, New Mexico, United States. (September 14, 2018).

Seminar/Workshop, "My proposal, where do I begin? Budgeting Essentials," NMSU Teaching Academy, Las Cruces, New Mexico, US. (September 7, 2018).

Seminar/Workshop, "Strategies for Developing Competitive Proposals," NMSU Teaching Academy, Las Cruces, New Mexico, United States. (August 30, 2018).

Webinar, "Teaching Empathy with Video Games," ISTE - International Society for Technology in Education. (June 5, 2018).

Seminar/Workshop, "Impactful Reporting Workshops," NMSU, Las Cruces, New Mexico, United States. (May 22, 2018).

Seminar/Workshop, "USDA-NIFA Food Safety and Nutrition 2nd Conference on Preparing Winning Grants," Delaware State University, Dover, Delaware, United States. (May 9, 2018 - May 11, 2018).

Conference Attendance, "NoroCORE Final Showcase Meeting," NoroCORE Grant Committee, Atlanta, Georgia, United States. (March 19, 2018 - March 21, 2018).

Seminar/Workshop, "HSI Grants Writing and Management Workshop," National Science Foundation - HSI. (November 20, 2017).

Seminar/Workshop, "Grant Writing Workshop - III," NMSU - ACES - College Grant Writing Development Committee, Las Cruces, New Mexico, USA. (November 7, 2017).

Seminar/Workshop, "Grant Writing Workshop - II," NMSU - ACES - College Grant Writing Development Committee, Las Cruces, New Mexico, USA. (October 4, 2017).

Seminar/Workshop, "Grant Writing Workshop - I," NMSU - ACES - College Grant Writing Development Committee, Las Cruces, New Mexico, USA. (September 12, 2017).

Seminar/Workshop, "NSF Listening Session on Improving Undergraduate STEM Education in HSIs Coordinated," National Science Foundation. (August 16, 2017).

Awards and Honors

ACE Pioneer Award, Association for Communications Excellence in Agriculture, Natural Resources, and Life and Human Sciences (ACE). (June 2006).

RESEARCH

Published Intellectual Contributions

Ulery, A., Muise, A. S., Carroll, K. C., Chamberlin, B., White, L., Martinez, P., Spears, L., Gleason, J. (2020). Impact of multimedia learning tools in agricultural science classes. *Natural Sciences Education*, 49(1). doi:10.1002/nse2.20011

Book Chapters

Martinez, P. N., Chamberlin, B. A. (2019). Night of the Living Debt. In Karen Schrier (Ed.), *Learning, Education & Games, Volume 3: 100 Games to Use in the Classroom & Beyond* (vol. 3, pp. 261-264). Pittsburgh, PA: ETC Press.

Conference Proceedings

Martinez, P. N., Chamberlin, B. A., Gleason, J. B., Muise, A. S., Ulery, A. L. (2018). *A Design Process for Multimedia Learning Tools* (1st ed., vol. 62, pp. 97). Rupert, ID / North American Colleges and Teachers of Agriculture: NACTA Journal.

Gleason, J. B., Chamberlin, B. A., Martinez, P. N., Sohn, E., Goldstein, R. R. (2018). *Teaching the Science of Nontraditional Water on Food Crops, with Animations & Interactive Media* (1st ed., vol. 62, pp. 95). Rupert, ID / North American College & Teachers of Agriculture: NACTA Journal.

Other

Chamberlin, B. A., Stanford, T. B., Martinez, P. N. (2019). *Creature Cave Interactive*. mathsnacks.org, Abstract/Synopsis: As part of the Math Snacks suite of games and animations, this interactive gives teachers an online tool to help learners recognize, understand and predict patterns from different attributes, to table and graph form.

Chamberlin, B. A., Martinez, P. N., McCloskey, M., Zeng, N., Johnson, S., Bellows, L. (2019). *Jungle Gym*. <https://apps.apple.com/kg/app/jungle-gym-1/id1245786895>, Abstract/Synopsis: As part of the suite of apps for pre-school learners, this movement app lets users play through a story in the jungle, moving along with animals through randomized scenes.

Chamberlin, B. A., Martinez, P. N., McCloskey, M., Zeng, N., Johnson, S., Bellows, L. (2019). *Jungle Gym 2*. <https://apps.apple.com/kg/app/jungle-gym-1/id1245786895>, Abstract/Synopsis: As part of the suite of apps for pre-school learners, this movement app builds on Jungle Gym 1, giving slightly more developed learners access to more appropriate physical activities.

Chamberlin, B. A., Martinez, P. N., McCloskey, M., Zeng, N., Johnson, S., Bellows, L. (2019). *Spin-n-Move*. <https://apps.apple.com/kg/app/tasting-party-express/id1193380752>, Abstract/Synopsis: As part of the suite of apps for pre-school learners, this imagination and movement builder helps kids develop the core activities essential in later movement.

Chamberlin, B. A., Martinez, P. N., McCloskey, M., Zeng, N., Johnson, S., Bellows, L. (2019). *Tasting Party Express*. <https://apps.apple.com/kg/app/tasting-party-express/id1193380752>, Abstract/Synopsis: As part of the suite of apps for pre-school learners, this app helps young learners and their parents experiment with strategies that improve food tasting behaviors and willingness to consume fruits and vegetables later in life.

Chamberlin, B. A., Martinez, P. N., Pruden, A., Vallotten, A. (2019). *Anti-biotic Resistance: From Farm to Fork Animation*. <https://youtu.be/ob4NmLmhFTE>, Abstract/Synopsis:

Animation conveying the challenges of anti-biotic resistance with animal production, including research currently being done to combat issues.

- Chamberlin, B. A., Stanford, T. B., Martinez, P. N. (2019). *Curse Reverse Game*. mathsnacks.org, Abstract/Synopsis: As part of the Math Snacks suite of games and animations, this game helps middle school students gain an understanding of algebra, specifically expressions and variables.
- Chamberlin, B. A., Martinez, P. N., Critzer, F. (2019). *Interactive Test Strip: Testing pH in Treated Water Systems.*, Abstract/Synopsis: Designed as part of a suite of materials to help producers understand treatment options for pre-harvest water application, this online lab and app guides users through the process of testing water, including false positives.
- Chamberlin, B. A., Martinez, P. N., Gleason, J. B. (2019). *Outbreak Squad Game*. outbreaksquad.org, Abstract/Synopsis: An online game for middle school social studies students to better understand systemic thinking with government resources related to health outbreaks.
- Chamberlin, B. A., Martinez, P. N., Critzer, F. (2019). *Pre-Harvest Water Treatment Animations.*, Abstract/Synopsis: Designed as part of a suite of materials to help producers understand treatment options for pre-harvest water application, this set of three animations (to be delivered via iPad) shows producers how each of the treatment options works, with recommendations on validating each system.
- Chamberlin, B. A., Stanford, T. B., Martinez, P. N. (2019). *Agronautica Game*. mathsnacks.org, Abstract/Synopsis: As part of the Math Snacks suite of games and animations, this game encourages learners to play with expression building, understanding operations, and correctly writing math expressions which match their intent.
- Martinez, P. N., Polin, L. (2017). *Active games: an examination of user engagement to define design recommendations*. Culver City, CA: Pepperdine University.
pepperdine.worldcat.org/oclc/1010733432

Presentations Given

- Martinez, P. N., Games for Change, "Outbreak Squad: Keeping your Community Safe," Games for Change, Virtual - New York City, NY. (July 16, 2020).
- Martinez, P. N., Dream Keepers Online presentation, "Educational Ag Media and Resource an Introduction to Careers in Technology," Indian Resources Development - NMSU, Virtual Zoom. (June 26, 2020).
- Martinez, P. N. (Presenter), Chamberlin, B. A. (Presenter), NACTA - 2020 Virtual Conference, "Outbreaks Squad: Students as Superheroes Fighting the Spread of Foodborne Illness," North American Colleges and Teachers of Agriculture, Virtual Conference - Covid 19. (June 16, 2020).
- Martinez, P. N. (Presenter), Chamberlin, B. A. (Presenter), Gleason, J. B. (Other), NACTA - 2020 Virtual Conference, "Showcase by Learning Games Lab: Educational Ag Media to

- Enhance your Instruction," North American Colleges and Teachers of Agriculture, Virtual Conference - Covid 19. (June 16, 2020).
- Martinez, P. N., Chamberlin, B. A. (Presenter), USDA 1023 - National Multi-state Engineering for Food Safety and Quality, "The Power of Innovative Media - Work from NMSU's Media Productions and Learning Games Lab," USDA - NMSU Hosted 2019 Meeting, Las Cruces, New Mexico. (October 21, 2019).
- Martinez, P. N., Chamberlin, B. A. (Presenter), Gleason, J. B. (Presenter), Innovative Media Research and Extension Webinar, "Webinar Outreach: Innovative Media Research and Extension Showcase and Listening Session," Innovative Media Research and Extension Department, Zoom Online, hosted from Las Cruces, New Mexico. (October 7, 2019).
- Martinez, P. N., NMSU AXED 100 - Careers in Communications, "The Power of Innovative Media - Work from NMSU's Media Productions and Learning Games Lab," NMSU AXED 100, Las Cruces, New Mexico. (September 26, 2019).
- Gleason, J. B., Chamberlin, B. A., Martinez, P. N., Site Visit with Director, "Innovative Media Research and Extension," USDA National Institute of Food and Agriculture, Las Cruces. (July 5, 2019).
- Martinez, P. N. (Presenter), Arrowhead Middle School Conference, "Hands of With iPads - Night of the Living Debt," Arrowhead New Mexico State University, Las Cruces, New Mexico. (April 3, 2019).
- Martinez, P. N., Creative Media Technology Student Tour, "Overview of NMSU's Learning Games Lab," Learning Games Lab, Learning Games Lab - NMSU Campus. (March 2019).
- Gleason, J. B. (Presenter), Martinez, P. N. (Panelist), Chamberlin, B. A. (Panelist), Consumer Food Safety Education Conference, "Making Real Change by Learning From Game Developers: The Transformational Design Model," Partnership for Food Safety Education, Orlando, Florida. (March 8, 2019).
- Martinez, P. N. (Presenter), Gleason, J. B. (Presenter), Chamberlin, B. A. (Presenter), Consumer Food Safety Education Conference, "Reaching New Audiences Through Digital Media and Games," Partnership for Food Safety, Orlando, Florida. (March 8, 2019).
- Chamberlin, B. A., Martinez, P. N., NC 1023 Annual Food Engineering Meeting, "Station Report and 2019 Las Cruces Hosting Event," Washington State University, Orono, Maine. (October 15, 2018).
- Chamberlin, B. A., Martinez, P. N., NAE4-HA National Conference, "Designing Digital Learning Tools: Beyond "I Have an Idea for an App"," National Association of Extension 4-H Agents, Columbus, OH. (October 11, 2018).

- Chamberlin, B. A., Martinez, P. N., NAE4-HA National Conference, "Apps, Games and Online Tools for 4-H Programs," National Association of Extension 4-H Agents, Columbus, OH. (October 9, 2018).
- Gleason, J. B., Chamberlin, B. A., Martinez, P. N., Carroll, K. C., Ulery, A. L., Ganguli, A. C., Sallenave, R., WRRRI Water Conference, "Multimedia tools for water education, outreach, and citizen science," Las Cruces, NM. (August 2018).
- Martinez, P. N. (Leader), Aguirre, A. (Presenter), Eiland, K.-M. (Presenter), Eshelman, F. (Presenter), Ag Media Summit - Everything Under the Sun, "Management and Software Show & Tell: Apps and More," Association for Communication Excellence, Scottsdale, Arizona. (August 7, 2018).
- Gleason, J. B. (Presenter), Chamberlin, B. A. (Panelist), Smith Muise, A. (Panelist), Martinez, P. N. (Panelist), Ag Media Summit - Everything Under the Sun, "Media Production Placement & Distribution: What Three Years of Data Tell Us," Association for Communication Excellence, Scottsdale, Arizona. (August 7, 2018).
- Chamberlin, B. A. (Panelist), Eshelman, F. (Moderator), Martinez, P. N. (Panelist), Aguirre, A. (Panelist), Eiland, K.-M. (Panelist), Ag Media Summit - Everything Under the Sun, "The Professional Field Trip: A Practical Approach to Professional Development," Association for Communication Excellence, Scottsdale, Arizona. (August 7, 2018).
- Gleason, J. B. (Presenter), Martinez, P. N. (Presenter), Eiland, K.-M. (Presenter), Eshelman, F. (Presenter), Aguirre, A. (Presenter), Ag Media Summit - Everything Under the Sun, "Accessibility and Section 508 Compliance: Making our Online Tools, including Games and Interactive, Accessible," Association for Communication Excellence, Scottsdale, Arizona. (August 6, 2018).
- Gleason, J. B. (Leader), Martinez, P. N. (Presenter), Ag Media Summit - Everything Under the Sun, "Getting the Money to Make the Cool Stuff," Association for Communication Excellence, Scottsdale, Arizona. (August 6, 2018).
- Gleason, J. B. (Presenter), Chamberlin, B. A. (Panelist), Martinez, P. N. (Panelist), Eshelman, F. (Panelist), Aguirre, A. (Panelist), Eiland, K.-M. (Panelist), Ag Media Summit - Everything Under the Sun, "Science of Agriculture.org: Animations, Videos and Virtual Labs for the Ag Learner," Association for Communication Excellence, Scottsdale, Arizona. (August 6, 2018).
- Martinez, P. N., Chamberlin, B. A., Gleason, J. B., Muise, A. S., Ulery, A. L., NACTA Conference, "A design process for multimedia learning tools," Ames, Iowa. (June 2018).
- Gleason, J. B., Chamberlin, B. A., Martinez, P. N., 2018 NACTA Conference, "Teaching the Science of Nontraditional Water on Food Crops, with Animations and Interactive Media," North American College and Teachers of Agriculture Association, Ames, Iowa. (June 12, 2018).
- Gleason, J. B. (Presenter), Martinez, P. N. (Presenter), NoroCORE Final Showcase Meeting, NoroCORE Grant Committee, Atlanta, GA. (March 21, 2018).

- Gleason, J. B., Martinez, P. N., NC-1023 Annual Food Engineering Meeting, Washington State University, Pullman, Washington. (December 2017).
- Martinez, P. N., S-1056 Annual Meeting Multi-State Project, S-1056 Enhancing Microbial Food Safety by Risk Analysis, Portland, Maine. (October 2017).
- Martinez, P. N., CES In-Service, "Creating Infographics & Presentations with Online Web Apps," College of Agricultural, Consumer, and Environmental Sciences, Las Cruces. (January 2016).
- Martinez, P. N., All College Conference, "Twitter, Facebook and Other Social Media and How To Use Them in Extension," College of Agricultural, Consumer, and Environmental Sciences, Las Cruces. (January 2010).
- Martinez, P. N., Chamberlin, B. A., Gleason, J. B., Chamberlin, C.C., Games+Learning+Society, "Science Pirates: The Curse of Captain Brownbeard," University of Wisconsin, GLS, Madison, Wisconsin. (July 2008).
- Martinez, P. N., Gleason, J. B., Games for Health, "CYFAR meets Exergaming: The launch of a USDA granted anti-obesity research project," Games for Health, Baltimore, Maryland. (May 2008).
- Martinez, P. N., ACE - International Conference, "Building Resources for First-Generation and Culturally-Identified Hispanic Students," Association for Communication Excellence in Agriculture, Natural Resources, and Life and Human Sciences, Albuquerque, New Mexico. (June 2007).
- Martinez, P. N. (Presenter), Chamberlin, B. A., Sohn, E., ACE - International Conference, "iTunes @ New Mexico State University," Association for Communication Excellence in Agriculture, Natural Resources, and Life and Human Sciences, Albuquerque, New Mexico. (June 2007).
- Martinez, P. N. (Presenter), Chamberlin, B. A., Gleason, J. B., CYFAR Conference, "Obesity Prevention Through Games: Overview of Exergames and How to Use Them," Children, Youth, and Families at Risk Program, Chicago, Illinois. (May 2007).
- Martinez, P. N. (Presenter), Clary, C., Gleason, J. B., Garza, M., Teaching Academy, "DVD Building Resources for Maximum Achievement and Retention of Minority Students," New Mexico State University, Las Cruces, New Mexico. (September 2006).
- Martinez, P. N. (Presenter), Byrnes, M., ACE - International Conference, "DVD Production and Production Strategies: Lessons Learned," Association for Communication Excellence in Agriculture, Natural Resources, and Life and Human Sciences, San Antonio, Texas. (June 2005).
- Martinez, P. N. (Presenter), Chamberlin, B. A., ACE - International Conference, "Multimedia Showcase: Review of Latest Multimedia Projects in Development and Management,"

Association for Communication Excellence in Agriculture, Natural Resources, and Life and Human Sciences, San Antonio, Texas. (June 2005).

Contracts, Grants and Sponsored Research

Sponsored Research

Beck, S. R. (Co-Principal), Martinez, P. N. (Co-Principal), Chamberlin, B. A. (Principal), "4-H STEM Pathways: Moving Learners from Digital Activities to Hands-On Engagement," Sponsored by National Science Foundation, Other, \$2,999,985.00. (August 1, 2020 - July 31, 2025).

Gleason, J. B. (Co-Principal), Martinez, P. N. (Co-Principal), Chamberlin, B. A. (Principal), "An Integrated Approach for Enhancing Food Safety and Reducing Microbial Spoilage of Fresh Produce," Sponsored by University of California, Davis, Other, \$711,009.00. (May 1, 2020 - April 30, 2025).

Gleason, J. B. (Co-Principal), Chamberlin, B. A. (Co-Principal), Martinez, P. N. (Principal), "Enhancement of Fresh Produce Safety via Interventions at Multiple Stages of the Supply Chain A9201," Sponsored by Ohio State University, Other, \$599,870.00. (May 1, 2020 - April 30, 2025).

Pietrasiak, N. (Co-Principal), Chamberlin, B. A. (Co-Principal), Ulery, A. L. (Co-Principal), Martinez, P. N. (Principal), "Learning by Design: Agricultural Science Students as Creators of Learning Tools," Sponsored by USDA/NIFA/HSI, Federal, \$249,969.00. (August 1, 2020 - July 31, 2024).

Gleason, J. B. (Co-Principal), Chamberlin, B. A. (Co-Principal), Martinez, P. N. (Principal), "Sustainability of plastic mulches in specialty crop systems: Can biodegradables reduce the environmental footprint?," Sponsored by University of Tennessee - Knoxville, Other, \$408,928.00. (October 1, 2019 - September 30, 2023).

Gleason, J. B. (Co-Principal), Chamberlin, B. A. (Co-Principal), Martinez, P. N. (Principal), "Using Online Learning Labs and Community Outreach to Develop Cottage Food Producers and Budding Entrepreneurs," Sponsored by North Dakota State University, Fargo, Other, \$220,734.00. (September 1, 2019 - August 31, 2022).

Gleason, J. B. (Co-Principal), Martinez, P. N. (Co-Principal), Chamberlin, B. A. (Principal), "Development and Implementation of Innovative Food Safety Training Tools for the Production and Distribution of Microgreens," Sponsored by University of Arkansas, Other, \$124,992.00. (September 1, 2019 - August 31, 2022).

Chamberlin, B. A. (Co-Principal), Martinez, P. N. (Principal), "A feasibility study to develop a multilevel occupational health intervention program for nail salon employees and owners," Sponsored by Drexel University, Other, \$14,997.00. (July 1, 2020 - June 30, 2022).

Easterly, R. G. (Co-Principal), Chamberlin, B. A. (Co-Principal), Martinez, P. N. (Co-Principal), Bundy, C. S. (Principal), "Pinning Down Ag Literacy: Expanding Access to

- Insect Science," Sponsored by US Department of Agriculture/National Institute of Food and Agriculture NIFA (Formerly USDA CSREES), Other, \$43,460.00. (September 1, 2018 - August 31, 2021).
- Gleason, J. B. (Co-Principal), Chamberlin, B. A. (Co-Principal), Martinez, P. N. (Principal), "Don't Wash My Chicken?! Developing Food Safety Education Messages to Address Consumer Barriers to Adopting Safe Food Handling Practices," Sponsored by Drexel University, Other, \$98,993.00. (July 1, 2019 - June 30, 2021).
- Hernandez Gifford, J. (Co-Principal), Ward, F. A. (Co-Principal), Martinez, P. N. (Co-Principal), Hodnett, F. E. (Co-Principal), Seevers, B. S. (Co-Principal), Gifford, C. A. (Principal), "Enhancing NMSU's Mark McCollum Congressional Fellowship and Extension Leadership Program," Sponsored by USDA/NIFA/ Agriculture and Food Research Initiative, Other, \$422,245.00. (September 2, 2020 - January 31, 2020).
- Chamberlin, B. A. (Co-Principal), Martinez, P. N. (Principal), "Infotoons and Videos as Delivery Tools for Food Safety Training," Sponsored by University of Maine, Other, \$40,000.00. (September 1, 2018 - August 31, 2020).
- Chamberlin, B. A. (Co-Principal), Martinez, P. N. (Co-Principal), Fernald, A. (Co-Principal), Ulery, A. L. (Principal), "Building Student Leadership Across Interdisciplinary Water Studies," Sponsored by USDA/NIFA/HSI, Federal, \$274,993.00. (October 1, 2019 - January 31, 2020).
- Gleason, J. B. (Co-Principal), Chamberlin, B. A. (Co-Principal), Martinez, P. N. (Principal), "Enhancement of Fresh Produce Safety via Interventions at Multiple Stages of the Supply Chain," Sponsored by Ohio State University, Other, \$408,928.00. (September 1, 2019 - January 31, 2020).
- Martinez, P. (Co-Principal), Martinez, P. N. (Co-Principal), Chamberlin, B. A. (Principal), "Update for Night of the Living Debt," Sponsored by University of Idaho, Other, \$22,000.00. (September 1, 2017 - August 31, 2019).
- Idowu, O. J. (Co-Principal), Acharya, R. (Co-Principal), Bosland, P. (Co-Principal), Hanson, S. F. (Co-Principal), Fedio, W. M. (Co-Principal), Chamberlin, B. A. (Co-Principal), Martinez, P. N. (Co-Principal), Sanogo, S. (Principal), "Multi-Barrier Management of Phytophthora Blight in Solanaceous and Cucurbitaceous Vegetable Crops," Sponsored by USDA/NIFA/Specialty Crop Research Initiative, Federal, \$1,999,585.00. (October 1, 2018 - January 31, 2019).
- Chamberlin, B. A. (Co-Principal), Martinez, P. N. (Co-Principal), Dubois, D. W. (Principal), "Pre-Proposal - Drought Resiliency Data Jam: Building Knowledge & Action in Border Classrooms & Communities," Sponsored by National Oceanic and Atmospheric Administration, Federal, \$500,000.00. (October 1, 2018 - January 31, 2019).
- Martinez, P. N. (Co-Principal), Chamberlin, B. A. (Principal), "Enhancing Gene-based Care Among Those with Inherited Genes Elevating Cancer Risk (ENGAGER)," Sponsored by University of New Mexico Comprehensive Cancer Center, Other, \$141,816.00. (September 1, 2018 - January 31, 2019).

Gleason, J. B. (Co-Principal), Chamberlin, B. A. (Co-Principal), Martinez, P. N. (Principal), "Eating Healthy for a Healthy Baby (Comer por un bebé sano): Developing a support program for pregnant Hispanic women of Mexican origin in El Paso, Texas," Sponsored by University of Texas at El Paso, Other, \$30,003.00. (July 1, 2018 - January 31, 2019).

Chamberlin, B. A. (Co-Principal), Martinez, P. N. (Co-Principal), Gleason, J. B. (Principal), "4-H Fitness and Nutrition Clubs Go Outdoors! (4-H FANs GO!)," Sponsored by University of Connecticut, Other, \$160,000.00. (April 1, 2018 - January 31, 2019).

Chamberlin, B. A. (Co-Principal), Martinez, P. N. (Co-Principal), Gleason, J. B. (Principal), "Improvement of Chilling Efficiency, Meat Quality, and Safety of Turkey Carcasses Using Sub-Zero Saline Imme," Sponsored by California Polytechnic State University, Other, \$250,016.00. (March 1, 2018 - January 31, 2019).

Chamberlin, B. A. (Co-Principal), Martinez, P. N. (Co-Principal), Gleason, J. B. (Principal), "Identifying barriers to Accepting the Don't Wash your Chicken! Message A1331," Sponsored by Drexel University, Other, \$99,993.00. (October 1, 2017 - January 31, 2019).

Gleason, J. B. (Co-Principal), Martinez, P. N. (Principal), "Identification and Management of Critical Control Points in the Spread of Antibiotic Resistance from Animal Manure to Raw Produce," Sponsored by Virginia Polytechnic Institute and State University, Other, \$13,500.00. (November 1, 2018 - January 7, 2019).

Martinez, P.N., (Co-Principal), Garzon, R. (Co-Principal), Mitchell, M. C. (Co-Principal), Valles-Rosales, D. J. (Co-Principal), Chamberlin, B. A. (Co-Principal), Devall, E. L. (Co-Principal), Guzman, I. (Principal), "Engaging Underrepresented Minority Girls and their Mothers from the Borderlands in STEAM Experiential Education for Sustainable Agriculture," Sponsored by US Department of Agriculture/National Institute of Food and Agriculture NIFA (Formerly USDA CSREES), Other, \$99,965.00. (November 1, 2017 - December 31, 2017).

Chamberlin, B. A. (Co-Principal), Martinez, P. N. (Co-Principal), Gleason, J. B. (Principal), "Impacts of on-farm practices and off-farm landscape on antimicrobial resistance in produce farms," Sponsored by University of Florida, Other, \$75,000.00. (September 1, 2017 - December 31, 2017).

SERVICE

College Service

Station Representative, NC1023 Engineering for food safety and quality. (October 14, 2018 - Present).

University Service

Station Representative, NC1023 Engineering for food safety and quality. (October 14, 2018 - Present).

Guest Speaker, Arrowhead Center - Innoventure Jr. Career Day. (May 3, 2019).

Reviewer, Competitive Graduate Student Assistantships. (April 2, 2019).

Professional Service

Grant Proposal Reviewer, National Science Foundation, Las Cruces, New Mexico.
(November 2018 – March 2020).

Conference Organizer, NC 1023 - Food Technology and Manufacturing, National Multistate Association. (October 20, 2019 - October 22, 2019).

Reviewer, Book, International Game Developers Association - Learning, Education, and Games (SIG). (January 25, 2018 - March 1, 2018).

Reviewer, Conference Paper, Connected Learning Summit. (January 26, 2018 - February 9, 2018).

Public Service

Judge, Asombro Institute for Science Education - Desert Data Jam competition, Las Cruces, New Mexico. (April 25, 2018).

Awards and Honors

Service, Professional

WEDA Award of Excellence, The Western Extension Directors' Association. (July 2017).

Gold winner in Class 31: Motion Graphics/Augmented Reality/Virtual Reality/Animation

Learning Games Lab, New Mexico State University. (2017). Soil Infiltration: Soil Porosity Testing. [animation]. Retrieved from:
<https://www.youtube.com/watch?v=WaRIInnrQPLo>

Gold winner in Class 38: Interactive Media Program

Learning Games Lab, New Mexico State University. (2018). PowerPay. [Mobile software - iPhone/iPad app]. Retrieved from:
<https://apps.apple.com/us/app/powerpay-debt-elimination/id876640149>

Silver winner in Class 43b: Publications for Targeted Audiences

New Mexico State University. (2018). Selected Plants for Navajo Rangelands. [mobile-accessible web database]. Retrieved from:
<https://navajorange.nmsu.edu/>

Silver winner in Class 29: Social Media Videos

Learning Games Lab, New Mexico State University. (2018). Dirty Leaves. [animation]. Retrieved from: <https://youtu.be/GaQ6fgC42hA>

Learning Games Lab, New Mexico State University. (2018). Dirty Couch. [animation]. Retrieved from: <https://youtu.be/yZ4gwpQ3bXk>

Learning Games Lab, New Mexico State University. (2018). Double Blink. [animation]. Retrieved from: <https://youtu.be/6coLgHOnZFU>

Learning Games Lab, New Mexico State University. (2018). Berry Rude. [animation]. Retrieved from: https://youtu.be/BSAw_TBsysA

Bronze winner in Class 39: Innovative Use of Communication Technology

Learning Games Lab, New Mexico State University (2018). Math Snacks: Agrinautica. Video Game]. Retrieved from: <https://apps.apple.com/us/app/powerpay-debt-elimination/id876640149>

2019 National Excellence in Multistate Research Award - recognizes experiment station scientists who are conducting exemplary research and outreach efforts across multiple states. The 2019 award goes to a multidisciplinary team of researchers and extension educators from 39 institutions from across the United States whose work focused on enhancing microbial food safety using risk analysis. The group tackled complex problems across the food production and processing systems like examining foodborne pathogens and food contamination processes and developing devices to help improve food pathogen prediction and detection. The group has helped improve food safety policy, developed novel irrigation water quality assessment tools, and implemented interventions to protect produce from pathogens. They've also developed learning materials for the food industry and consumers.