

Dr. Pamela N. Martinez
New Mexico State University
INNOVATIVE MEDIA RESEARCH & EXTEN
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Education

Doctorate of Education, Pepperdine University, 2017.
Major: Educational Learning Technologies
Supporting Areas of Emphasis: Educational Technologies, Social Learning, Communities of Practice and Organizational Leadership.
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

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

Employment History

Academic - Post-Secondary

Associate Professor, New Mexico State University - Innovative Media Research and Extension.
(July 1, 2024 - present).

Assistant Professor, New Mexico State University - Innovative Media Research and Extension.
(September 1, 2017 - 2024).

Professional Memberships

Epsilon Sigma Phi. (December 2023 - Present).

Latinas in Computing. (November 2021 - Present).

National Association of Extension 4-H Youth Development Professionals. (September 2019 - Present).

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

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

Station Representative, NC1023: Engineering for Food Safety and Quality. (June 2017 - 23).

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

Association for Communications Excellence in Agriculture, Natural Resources, and Life and Human Sciences. (June 1998 - Present).

International Game Developers Association. (August 2022 - Present).

Development Activities Attended

- Online Webinar, "AI Companions and Kids: What You Need to Know," Children and Screens: Institute for Digital Media and Child Development, Online. (December 10, 2025).
- Seminar/Workshop, "Intro to AI: Revolutionize Your Reach (Online)," Extension Speaks Learning Series, Las Cruces, NM, USA. (November 19, 2025).
- Seminar/Workshop, "Law, Ethics, & Generative AI," Teaching Academy, Las Cruces, NM, USA. (October 23, 2025).
- Online Webinar, "Online Racism and Youth," Children and Screens: Institute for Digital Media and Child Development. (October 21, 2025).
- Seminar/Workshop, "Graphic Design for Extension: Tips to Elevate Any Outreach Material (Online)," Extension Speaks Learning Series, Las Cruces, NM, USA. (October 15, 2025).
- Seminar/Workshop, "Online - HEST Quantitative Methods Workshop Series," College of HEST. (September 26, 2025).
- Seminar/Workshop, "Supporting Neurodiverse Students," NMSU Teaching Academy, Las Cruces, New Mexico, United States. (April 5, 2023).
- Seminar/Workshop, "Indigenous Ways of Learning," STEM for all Multiplex, Las Cruces, New Mexico, United States. (October 19, 2022).
- Seminar/Workshop, "Power, Privilege and Oppression," NMSU Teaching Academy, Las Cruces, New Mexico, United States. (September 9, 2022).
- Seminar/Workshop, "NMSU Sponsored Youth Programs Training - Supervised Staff (3 Modules, Mandatory)," NMSU Police: Training Central, Las Cruces, NM, US. (May 23, 2022).
- Seminar/Workshop, "Excelling as a Hispanic-Serving Institution: 3 Part Series (Online)," NMSU Teaching Academy, Las Cruces, New Mexico, United States. (February 14, 2022 - February 28, 2022).
- Seminar/Workshop, "Best practices for engaging Latinos and the importance of creating partnerships with local media. (Online)," ACE: Association for Communication Excellence, Morton Grove, Illinois, United States. (February 17, 2022).
- Seminar/Workshop, "Games & Inclusion: A Panel on Equity and Justice in Games (Online)," Inclusive Games, Poughkeepsie, New York, United States. (February 10, 2022).
- Conference Attendance, "NMSU Outreach Conference," College of Agricultural, Consumer and Environmental Sciences, Las Cruces, New Mexico, United States. (November 18, 2021).
- Seminar/Workshop, "Principal Investigator Training - Fall 2021," Research Administration Services, Las Cruces, New Mexico, United States. (November 17, 2021).
- Seminar/Workshop, "Your Brain is Good at Inclusion...Except When It's Not," NMSU Teaching Academy, Las Cruces, New Mexico, United States. (September 2021).
- Seminar/Workshop, "NIFA FY22 HSI Project Directors meeting," USDA-NIFA, Kansas City, Missouri, United States. (September 8, 2021).

Seminar/Workshop, "RAS Principal Investigator (PI) Academy," NMSU Principal Investigator (PI) Academy: Research Administration Services, Online, NM, United States. (September 9, 2020 - May 18, 2021).

National Social Studies Education - Online Group, "Social Studies Innovation Network," Institute of Education Sciences. (February 26, 2020 - November 26, 2020).

Seminar/Workshop, "Institutional Review Board PI Training," NMSU Principal Investigator (PI) Academy: Research Administration Services, Online, NM, United States. (November 10, 2020).

Seminar/Workshop, "Principals of Proposal Writing," NMSU Principal Investigator (PI) Academy: Research Administration Services, Online, NM, United States. (October 21, 2020).

Seminar/Workshop, "RAS Principal Investigator (PI) Academy," NMSU Principal Investigator (PI) Academy: Research Administration Services, Online, NM, United States. (September 9, 2020).

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).

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).

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).

Awards and Honors

USDA E. Kika De La Garza Fellowship Program. United State Department of Agriculture, Washington D.C. (July 2025).

Fabiola Cabeza de Baca Diversity in Extension Award, ACES College Awards. (October 2025).

Gee Award Finalist Cozy River Valley, Gee Awards. (August 2025).

International Serious Games Showcase - Silver Award, Non-Profit, Serious Games Showcase and Challenge. (August 2025).

ACE Bronze Award in Interactive Multimedia/Web Graphics (Dr. Eugene's BioTech Lab), From the Association for Communications Excellence in Agriculture, Natural Resources, and Life and Human Sciences (ACE). (June 2025).

ACE Gold Award Award in Innovative Use of Instructional Technology in Education (Produce TRAINER), Association for Communications Excellence in Agriculture, Natural Resources, and Life and Human Sciences (ACE). (June 2025).

ACE Gold Award in Interactive Multimedia/Web Graphics (Night of the Living Debt), From the Association for Communications Excellence in Agriculture, Natural Resources, and Life and Human Sciences (ACE). (June 2025).

ACE Gold Award in Marketing Communications Campaign with a budget of \$0-1000 (Dr. Eugene's BioTech Lab), From the Association for Communications Excellence in Agriculture, Natural Resources, and Life and Human Sciences (ACE). (June 2025).

ACE Outstanding Professional Skill Award in Innovative Use of Instructional Technology in Education (Produce TRAINER), Association for Communications Excellence in Agriculture, Natural Resources, and Life and Human Sciences (ACE). (June 2025).

ACE Silver Award in Innovative Use of Instructional Technology in Education (iTIPS Food Safety), Association for Communications Excellence in Agriculture, Natural Resources, and Life and Human Sciences (ACE). (June 2025).

ACE Silver Award in Motion Graphics/Augmented Reality/Virtual Reality/Animation (Supply Chain Options for Sustainable Southwest Beef), Association for Communications Excellence in Agriculture, Natural Resources, and Life and Human Sciences (ACE). (June 2025).

RESEARCH

Published Intellectual Contributions

Book Chapters

Cezarotto, M., Martinez, P. N., Chamberlin, B. A. (2022). Developing Inclusive Games: Design Frameworks for Accessibility and Diversity. In Sobota, Branislav (Ed.), *Game Theory - From Idea to Practice* (pp. 17-33). <https://www.intechopen.com/online-first/84661> doi: 10.5772/intechopen.108456

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.

Refereed Journal Articles

Muise, A., Longo, G. A., Martinez, P. N., Chamberlin, B. A. (2025). Kid Eats App: Supporting Parents and Children Cooking Together. *The Journal of Extension* (63(1)).

Cezarotto, M., Martinez, P. N., Torres Castillo, R., Stanford, T., Engledowl, C., Degardin, G., Chamberlin, B. (2024). Open-Ended Mathematics Learning: Implications from the Design of a Sandbox Game. *International Journal of Game-based Learning*, 14(1), 1-19. <https://www.igi-global.com/article/open-ended-mathematics-learning/337795>

Martinez, P. N. (2022). Design recommendations for active games. *Frontiers in Digital Health*, 4(2673-253X), 13. https://www.frontiersin.org/articles/10.3389/fdgth.2022.814226/full?utm_source=Email_to_authors&utm_medium=Email&utm_content=T1_11.5e1_author&utm_campaign=Email_publication&field=&journalName=Frontiers_in_Digital_Health&id=814226

Chamberlin, B. A., Martinez, P. N., Parker Sauter, D. R., Plaza-Delestre, M. (2022). MyPlate MyWay: Creating a Customizable Digital Tool for Learners to Explore MyPlate Guidelines with Localized, Culturally Specific Foods. *Journal of the Academy of Nutrition and Dietetics*, 122(9), A49.

Shearer, A., Hoover, D., Gleason, J. B., Chamberlin, B. A., Abraham, D., Martinez, P. N., Klein, J., Riser, D., Snider, S., Kniel, K. (2022). Development and Evaluation of Educational Web-based Food Safety Game, Potluck Panic!. *Food Protection Trends*, 42(2), 113-123. <https://doi.org/10.4315/FPT-21-022>

Ulery, A. L., Muise, A., Carroll, K. C., Chamberlin, B. A., White, L. M., Martinez, P. N., Spears, L., Gleason, J. B. (2020). Impact of multimedia learning tools in agricultural science classes. *Natural Sciences Education*, 49:e20011(1). <https://access.onlinelibrary.wiley.com/doi/abs/10.1002/nse2.20011>

Conference Proceedings

EasleySmith, F., Norris-Parish, S., Edgar, D., Bundy, C. S., Chamberlin, B. A., Cezarotto, M., Martinez, P. N., Muise, A. (2023). *Put a pin in it: Teaching entomology using a virtual online pinning lab*. Oklahoma City, OK: National Agricultural Communications Symposium (NACS). Type: Poster Presentation

Bundy, C. S., Norris-Parish, S., Martinez, P. N., Muise, A., Cezarotto, M., Edgar, D., Chamberlin, B. A. (2022). *Youth insect pinning*. Southwestern Branch of the Entomological Society of America. Type: Published Presentation

Martinez, P. N., Chamberlin, B. A., Cezarotto, M., Muise, A., Bundy, C. S. (2021). *It's (Not) Alive! Student perceptions of Virtual Insect Collection Lab* (ed., vol. 65). Rupert, Indiana: North American Colleges and Teachers of Agriculture: NACTA Journal.

Martinez, P. N., Chamberlin, B. A., Muise, A. (2021). *Strengthening Ag Instruction Online: The Use of Digital Media* (ed., vol. 65). Rupert, Indiana: North American Colleges and Teachers of Agriculture: NACTA Journal.

Martinez, P. N., Chamberlin, B. A. *Outbreak Squad: Students as Superheroes Fighting the Spread of Foodborne Illness* (ed., vol. 64). Rupert, Indiana: North American Colleges and Teachers of Agriculture: NACTA Journal.

Martinez, P. N., Chamberlin, B. A., Gleason, J. B. *Showcase by Learning Games Lab: Educational Ag Media to Enhance your Instruction* (ed., vol. 64). Rupert, Indiana: North American Colleges and Teachers of Agriculture: NACTA Journal.

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.

Journal Articles

Cezarotto, M., Martinez, P. N., Chamberlin, B. A. (2023). Teaching youth food safety: a game-based learning experience. *Extension Foundation* (1st ed.). Type: eBook

Cezarotto, M., Martinez, P. N., Chamberlin, B. A., Chamberlin, B. A. (2023). Leveling up: food safety game reboot is more tech-modern, inclusive & accessible. *Extension Foundation* (1st ed.), 42. <https://publications.extension.org/view/147717802/> Type: eBook

Muise, A., Longo, G., Martinez, P. N., Chamberlin (in press). Kid Eats App: Supporting parents and children cooking together. *To appear in Journal of Extension*.

Periodicals

Martinez, P. N. (2025). In Amy Smith Muise and Barbara Chamberlin (Ed.), *Resources for Extension (Department Newsletter)*. Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors).

Peer-Reviewed Published Digital Media

Bundy, C. S., Chamberlin, B. A., Martinez, P. N., Bestelmeyer, S. V., Muise, A. (2022). In Pamela Martinez and Adrian Aguirre (Ed.), *Virtual Insect Collection Interactive Program*. Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors). <https://insectcollectionlab.nmsu.edu> Type: Interactive Program

Machado, R., Martinez, P. N., Chamberlin, B. (2021). In Barbara Chamberlin and Adrian Aguirre Martinez (Ed.), *Infotoons: Delivery Tools for Food Safety Training (8) Animation Series*. Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors). <https://extension.umaine.edu/food-health/food-safety/videos/> Type: Animations

Other Published Digital Media

- Martinez, P. N., Guzman, I., Chamberlin, B. A., Muise, A. (2025). In Barbara Chamberlin and Pamela Martinez (Ed.), *Ag Innovators: Helping Students See Themselves in Agricultural Careers (Website, Animations, Interactive Labs, Videos)*. Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors). aginnovators.nmsu.edu Type: Website, Interactive Labs, Videos
- Frost, F., Martinez, P. N. (2025). In Barbara Chamberlin and Adrian Aguirre (Ed.), *NMDA Specialty Crop Educational Animation - 2025* (1st ed.). Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors). Type: Animation
- Martinez, P. N., Chamberlin, B. A. (2025). In Barbara Chamberlin and Adrian Martinez (Ed.), *UNM Chile Plus (Chile Health Initiative for Lifelong Eating and Exercise (Website, Database))*. Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors). <https://chileplus.org> Type: Website, Database
- Cezarotto, M., Byrd-Bredbenner, C., Muise, A., Martinez, P. N., Chamberlin, B. A. (2024). In Barbara Chamberlin and Adrian Aguirre (Ed.), *Theme Park Kitchen Game*. Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors)..
- Frost, F., Martinez, P. N. (2024). In Barbara Chamberlin and Adrian Aguirre (Ed.), *NMDA Specialty Crop Educational Animation - 2024* (1st ed.). Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors). Type: Animation
- Critzer, F., Martinez, P. N., Chamberlin, B. (2024). In Barbara Chamberlin, Adrian Aguirre (Ed.), *Chemical Injection: Water Treatment System - (Haitian Creole Animation)*. Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors).
<https://www.youtube.com/playlist?list=PL88jbC2GiaFVJXtEkDtIFXpSiviQVFjg4> Type: Irrigation Training Modules: Water Treatment Systems for Pre-Harvest Use
- Critzer, F., Martinez, P. N., Chamberlin, B. (2024). In Barbara Chamberlin, Adrian Aguirre (Ed.), *Chemical Injection: Water Treatment System - (Hindi Animation)*. Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors).
<https://www.youtube.com/playlist?list=PL88jbC2GiaFVJXtEkDtIFXpSiviQVFjg4> Type: Irrigation Training Modules: Water Treatment Systems for Pre-Harvest Use
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<https://www.youtube.com/playlist?list=PL88jbC2GiaFVJXtEkDtIFXpSiviQVFjg4> Type: Irrigation Training Modules: Water Treatment Systems for Pre-Harvest Use
- Critzer, F., Martinez, P. N., Chamberlin, B. (2024). In Barbara Chamberlin, Adrian Aguirre (Ed.), *Chemical Injection: Water Treatment System - (Spanish Animation)*. Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors).
<https://www.youtube.com/playlist?list=PL88jbC2GiaFVJXtEkDtIFXpSiviQVFjg4> Type: Irrigation Training Modules: Water Treatment Systems for Pre-Harvest Use
- Critzer, F., Martinez, P. N., Chamberlin, B. (2024). In Barbara Chamberlin, Adrian Aguirre (Ed.), *Overview: Water Treatment Systems - (Haitian Creole Animation)*. Las Cruces, NM: NMSU

Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors).

<https://www.youtube.com/playlist?list=PL88jbC2GiaFVJXtEkDtIFXpSiviQVFjg4> Type:

Irrigation Training Modules: Water Treatment Systems for Pre-Harvest Use

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<https://www.youtube.com/playlist?list=PL88jbC2GiaFVJXtEkDtIFXpSiviQVFjg4> Type:

Irrigation Training Modules: Water Treatment Systems for Pre-Harvest Use

Critzer, F., Martinez, P. N., Chamberlin, B. (2024). In Barbara Chamberlin, Adrian Aguirre (Ed.), *Overview: Water Treatment Systems - (Spanish Animation)*. Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors).

<https://www.youtube.com/playlist?list=PL88jbC2GiaFVJXtEkDtIFXpSiviQVFjg4> Type:

Irrigation Training Modules: Water Treatment Systems for Pre-Harvest Use

Critzer, F., Martinez, P. N., Chamberlin, B. (2024). In Barbara Chamberlin, Adrian Aguirre (Ed.), *Tablet Chlorinator: Water Treatment System - (Haitian Creole Animation)*. Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors).

<https://www.youtube.com/playlist?list=PL88jbC2GiaFVJXtEkDtIFXpSiviQVFjg4> Type:

Irrigation Training Modules: Water Treatment Systems for Pre-Harvest Use

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Critzer, F., Martinez, P. N., Chamberlin, B. (2024). In Barbara Chamberlin, Adrian Aguirre (Ed.), *UV Light: Water Treatment System - (Haitian Creole Animation)*. Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for

- full list of contributors).
<https://www.youtube.com/playlist?list=PL88jbC2GiaFVJXtEkDtIFXpSiviQVFjg4> Type: Irrigation Training Modules: Water Treatment Systems for Pre-Harvest Use
- Critzer, F., Martinez, P. N., Chamberlin, B. (2024). In Barbara Chamberlin, Adrian Aguirre (Ed.), *UV Light: Water Treatment System - (Hindi Animation)*. Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors). <https://www.youtube.com/playlist?list=PL88jbC2GiaFVJXtEkDtIFXpSiviQVFjg4> Type: Irrigation Training Modules: Water Treatment Systems for Pre-Harvest Use
- Critzer, F., Martinez, P. N., Chamberlin, B. (2024). In Barbara Chamberlin, Adrian Aguirre (Ed.), *UV Light: Water Treatment System - (Mandarin Animation)*. Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors).
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- Critzer, F., Martinez, P. N., Chamberlin, B. (2024). In Barbara Chamberlin, Adrian Aguirre (Ed.), *UV Light: Water Treatment System - (Spanish Animation)*. Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors).
<https://www.youtube.com/playlist?list=PL88jbC2GiaFVJXtEkDtIFXpSiviQVFjg4> Type: Irrigation Training Modules: Water Treatment Systems for Pre-Harvest Use
- Martinez, P. N., Henley, S., Chamberlin, B., Muise, A. (2024). In Pamela Martinez and Adrian Aguirre (Ed.), *Produce TRAINER: Creador visual de SOP: Trabajo con animales y preparación de un contenedor para cosecha Lección 2 (Interactive Spanish)*. Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors). <https://producetrainer.org> Type: Produce TRAINER - Toolkit Modules, Animations
- Martinez, P. N., Henley, S., Chamberlin, B., Muise, A. (2024). In Pamela Martinez and Adrian Aguirre (Ed.), *Produce TRAINER: Evaluación de riesgos en acción: Decisiones del día de cosecha - Lección 3 (Interactive Spanish)*. Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors). <https://producetrainer.org> Type: Produce TRAINER - Toolkit Modules, Animations
- Martinez, P. N., Henley, S., Chamberlin, B., Muise, A. (2024). In Pamela Martinez and Adrian Aguirre (Ed.), *Produce TRAINER: Evaluación de riesgos en la granja (Intro Animation - Spanish)*. Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors). <https://producetrainer.org> Type: Produce TRAINER - Toolkit Modules, Animations
- Martinez, P. N., Henley, S., Chamberlin, B., Muise, A. (2024). In Pamela Martinez and Adrian Aguirre (Ed.), *Produce TRAINER: Farm Risk Assessment - Intro Animation*. Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors). <https://producetrainer.org> Type: Produce TRAINER - Toolkit Modules, Animations
- Martinez, P. N., Henley, S., Chamberlin, B., Muise, A. (2024). In Pamela Martinez and Adrian Aguirre (Ed.), *Produce TRAINER: Farm-Food Safety Eye Spy - Lesson 1 (Interactive)*. Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors). <https://producetrainer.org> Type: Produce TRAINER - Toolkit Modules, Animations

- Martinez, P. N., Henley, S., Chamberlin, B., Muise, A. (2024). In Pamela Martinez and Adrian Aguirre (Ed.), *Produce TRAINER: Risk Assessment in Action: Harvest Day Decisions - Lesson 3 (Interactive)*. Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors).
<https://producetrainer.org> Type: Produce TRAINER - Toolkit Modules, Animations
- Martinez, P. N., Henley, S., Chamberlin, B., Muise, A. (2024). In Pamela Martinez and Adrian Aguirre (Ed.), *Produce TRAINER: Veo veo" de seguridad alimentaria agrícola Lección 1 (Interactive Spanish)*. Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors).
<https://producetrainer.org> Type: Produce TRAINER - Toolkit Modules, Animations
- Martinez, P. N., Henley, S., Chamberlin, B., Muise, A. (2024). In Pamela Martinez and Adrian Aguirre (Ed.), *Produce TRAINER: Visual SOP Builder: Working with Animals and Preparing a Bin for Harvest - Lesson 2 (Interactive)*. Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors).
<https://producetrainer.org> Type: Produce TRAINER - Toolkit Modules, Animations
- Martinez, P. N., Henley, S., Chamberlin, B., Muise, A. (2024). In Pamela Martinez and Adrian Aguirre (Ed.), *Produce TRAINER: Website*. Las Cruces, NM: NMSU Innovative Media, Research and Extension - Learning Games Lab (see program credits for full list of contributors). <https://producetrainer.org> Type: Produce TRAINER - Toolkit Modules, Animations, Website
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Presentations Given

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Cezarotto, M., Martinez, P. N., Chamberlin, B. A., Multistate Research Project S1077: Enhancing Microbial Food Safety by Risk Analysis, "IMRE 2025 Food Safety Project Updates," Multistate Research Project S1077, Fayetteville, AR. (October 2025).

Martinez, P. N. (Presenter), UNM Chile Plus Summit - Group 1, "Innovative Media, Research and Extension Product Overview," UNM Chile Plus, Albuquerque, NM. (September 5, 2025).

Martinez, P. N. (Presenter), UNM Chile Plus Summit - Group 2, "Innovative Media, Research and Extension Product Overview," UNM Chile Plus, Albuquerque, NM. (September 5, 2025).

Martinez, P. N. (Presenter), USDA E. Kika De La Garza Fellowship Program, "USDA HSI E. Kika De La Garza Fellowship program - Dr Pamela Martinez (Overview)," United State Department of Agriculture, Washington D.C. (July 6, 2025).

Cezarotto, M. (Other), Martinez, P. N. (Presenter), Chamberlin, B. A. (Other), USDA FSOP National Meeting, "Recent FSOPs completed by New Mexico State University and Partners (Poster)," USDA FSOP National Meeting, Orlando, FL. (May 14, 2025).

Martinez, P. N. (Presenter), Cezarotto, M. (Other), Chamberlin, B. A. (Other), Western Regional Center to Enhance Food Safety Annual Meeting, "Recent FSOPs completed by New Mexico State University and Partners (Poster)," Western Regional Center to Enhance Food Safety Annual Meeting, Oracle, AZ. (May 14, 2025).

Henley, S. (Presenter), Kratfel, J. (Other), Ferelli Gruber, A. (Other), Martinez, P. N. (Other), Cook, N. (Other), Cook, P. (Other), National Consortium for Produce Safety, "No time to TRAIN produce workers?.or in Spanish?," National Consortium for Produce Safety, Fort Worth, TX. (March 2025).

Henley, S. (Presenter), Martinez, P. N. (Presenter), 2025 Consumer Food Safety Education Conference, "Finding play with youth and adults: An unintended audiences for a farmworker training campaign," Partnership for Food Safety Education, Houston, TX. (March 14, 2025).

Chamberlin, B. A. (Presenter), Cezarotto, M. (Presenter), Martinez, P. N. (Presenter), 2025 Consumer Food Safety Education Conference, "What does Inclusive Design mean to Food Safety Education," Partnership for Food Safety Education, Houston, TX. (March 14, 2025).

Martinez, P. N., Guzman, I., Chamberlin, B. A., Cezarotto, M., USDA NIFA HSI Project Directors Quarterly Review, "Innovators from Marginalized Communities: Interactive Labs Which Help Students See Themselves in Agricultural Careers," United States Department of Agriculture - National Institute of Food and Agriculture, Online. (September 19, 2024).

Henley, S. (Presenter), Ferelli Gruber, A. (Presenter), Alexis, S., Muise, A., Martinez, P. N. (Presenter), Cook, N., International Association for Food Protection (IAFP), "Produce TRAINER – University of Maryland College Park and the University of Maryland Eastern Shore," International Association for Food Protection (IAFP), Long Beach, CA. (July 16, 2024).

Cezarotto, M., Martinez, P. N., Muise, A., Chamberlin, B. A., NACTA - North American Colleges and Teachers of Agriculture, "From Idea to Innovative Media: Designing Meaningful Change with Technology," Wooster - Ohio. (June 27, 2024).

Chamberlin, B. A., Muise, A., Cezarotto, M., Martinez, P. N., ACE Association for Communications Excellence Annual Meeting, "Inclusive Design for Everything: Our Approach to Making Everything we Make Better for Everyone," ACE Association for Communications Excellence, Salt Lake City, Utah. (June 25, 2024).

Chamberlin, B. A., Muise, A., Cezarotto, M., Martinez, P. N., ACE Association for Communications Excellence Annual Meeting, "VR in Outreach: Lessons Learned from our First Two Projects," ACE Association for Communications Excellence, Salt Lake City, Utah. (June 25, 2024).

Cezarotto, M., Martinez, P. N., Chamberlin, B. A., NMSU Research and Creativity Week, "Innovative Media for NMSU research, teaching, and extension: VR, websites, games, animations and social media," NMSU, Las Cruces, NM. (March 2024).

Cezarotto, M., Muise, A., Castillo, R. T., Martinez, P. N., Chamberlin, B. A., Extension Foudation Showcase, "Teaching youth food safety: Theme Park Kitchen a game-based learning experience," NTAE - USDA, online. (January 31, 2024).

Martinez, P. N., Chamberlin, B. A., Cezarotto, M., Turner, T., Buras, J., Muise, A., NMSU Extension In-Service, "Educational Media Resources: Ag Agents and 4-H," New Mexico Extension, Las Cruces, NM. (January 2024).

Martinez, P. N., Chamberlin, B. A., Cezarotto, M., Turner, T., Buras, J., Muise, A., NMSU Extension In-Service, "Educational Media Resources: Family and Consumer Sciences and 4-H," New Mexico Extension, Las Cruces, NM. (January 2024).

Chamberlin, B. A., Martinez, P. N., Cezarotto, M., Turner, T., Buras, J., Muise, A., NMSU Extension In-Service, "Media in Extension," New Mexico Extension, Las Cruces, NM. (January 2024).

Martinez, P. N., Chamberlin, B. A. (Presenter), USDA 1023 - National Multi-state Engineering for Food Safety and Quality, "Overview of New Products from Innovative Media Research and Extension Department," USDA - UC Davis, Sacramento, California. (October 2023).

Chamberlin, B. A., Cezarotto, M., Martinez, P. N., Serious Play Conference, "Expanding our Reach: How to Make Games for Everybody," Serious Play, Toronto, Canada. (October 11, 2023).

Martinez, P. N. (Presenter), Smith Muise, A. (Presenter), Chamberlin, B. A. (Presenter), Cezarotto, M. (Presenter), North American Colleges and Teachers of Agriculture (NACTA), "Accessing Digital Media Products for Teaching and Learning," North American Colleges and Teachers of Agriculture, Las Cruces, NM. (June 20, 2023).

Cezarotto, M. (Presenter), Armstrong, A. L. (Presenter), Martinez, P. N. (Presenter), Chamberlin, B. A. (Presenter), Games-Based Learning Virtual Conference 2023, "Educational Games Quality: Rubric for Accessibility," University XP, Virtual. (June 17, 2023).

Armstrong, A. L. (Presenter), Cezarotto, M. (Presenter), Martinez, P. N. (Presenter), Chamberlin, B. A. (Presenter), Games-Based Learning Virtual Conference 2023, "Learning Games Lab Toolkit," University XP, Virtual. (June 17, 2023).

Cezarotto, M. (Presenter), Armstrong, A. L. (Presenter), Martinez, P. N. (Presenter), Chamberlin, B. A. (Presenter), Games-Based Learning Virtual Conference 2023, "Redesign for Inclusion: A New Ninja Kitchen Food Safety Game," University XP, Virtual. (June 17, 2023).

Chamberlin, B. A., Gibson, K., Quinlan, J., Martinez, P. N., Cezarotto, M., The Future of Food Safety: Everyone has a Seat at the Table, "Choosing the Right Media for the Message," Partnership for Food Safety Education, Arlington, Virginia. (March 3, 2023).

Quinlan, J. (Presenter), Gilman, A. (Presenter), Chamberlin, B. A. (Presenter), Martinez, P. N. (Presenter), Saunier, B. (Presenter), The Future of Food Safety: Everyone has a Seat at the Table, "Use of the Iterative Process to Develop Effective Food Safety Education Materials," Partnership for Food Safety Education, Arlington, Virginia. (March 3, 2023).

Smith, F. E., Parish, S., Edgar, D., Bundy, C. S., Cezarotto, M., Martinez, P. N., Chamberlin, B. A., Muise, A., National Agricultural Communications Symposium, "Put a pin in it: Teaching entomology using a virtual online pinning lab," Oklahoma City, OK. (February 1, 2023).

Chamberlin, B. (Other), Martinez, P. N. (Presenter), Cezarotto, M. (Other), New Faculty and Staff Open Houses, "Innovative Media Research and Extension and the Learning Games Lab Overview," Innovative Media Research and Extension Department and the Learning Games Lab, Learning Games Lab. (December 2022).

Martinez, P. N. (Presenter), Aguirre, A. (Other), Sonoma Ranch Elementary - Presentation and Tour, "Learning Games Lab and Career Overview," New Mexico State University, Learning Games Lab, Learning Games Lab. (October 11, 2022).

Chamberlin, B. (Presenter), Martinez, P. N. (Presenter), ACES Camp - Career Tours, "Learning Games Lab and Career Overview," New Mexico State University, Learning Games Lab, Innovative Media Research and Extension Department and the Learning Games Lab. (August 2022).

Martinez, P. N., Chamberlin, B. A., Connected Learning Summit, "A Peer-Review Process to Validate Educational Media Products as Research-Based Publications," Virtual. (July 27, 2022).

Chamberlin, B. A., Martinez, P. N., Association for Communications Excellence Annual Conference, "MyPlateMyDay: Creating a Customizable Digital Tool with Localized, Culturally-Specific Foods," ACE, Kansas City, MO. (June 13, 2022).

Bundy, C. S. (Presenter), Chamberlin, B. A., Martinez, P. N., Cezarotto, M., Muise, A., Edgar, D., Parish, S., Southwestern Branch of the Entomological Society of America, "Spreading Insect Science: a virtual insect pinning interactive targeting 7th grade science," Fort Worth, Texas. (April 19, 2022).

Chamberlin, B. (Presenter), Martinez, P. N. (Presenter), Cezarotto, M. (Presenter), Aguirre, A. (Presenter), Muise, A. (Presenter), Burras, J. (Presenter), CES In-Service 2022, "Innovative Media Research & Extension Session for County Agriculture Agents, 4-H Agents, and State Specialists," College of Agriculture, Consumer and Environmental Sciences, Cooperative Extension Service, College of Agriculture, Consumer and Environmental Sciences. (January 2022).

Steele, C. M. (Presenter), Benton, A., Cain, S., Jacobs, N., Madrid, E. M., Mitchell, C., Sonntag, B. C., Skelton, P. D., Cezarotto, M., Aguirre Martinez, A., Muise, A., Martinez, P. N., McVann, P., Chamberlin, B. A., Bittner, L., Fall Meeting of the American Geophysical Union, "Hacking Food Waste with 4-H Youth," AGU, New Orleans. (December 17, 2021).

Critzer, F., Buchanan, J., Chamberlin, B. A., Danyluk, M., Dunn, L., Gunter, C., Hamilton, A., Krug, M., Martinez, P. N., Peters, Rock, C., Strawn, L., Wszelaki, A., ASHS Annual Meeting, "Agricultural water treatment food safety curriculum: Re-tooling outreach during the pandemic.," American Society for Horticultural Science, Denver, CO. (August 6, 2021).

Cezarotto, M. A. (Presenter), Martinez, P. N. (Presenter), Muise, A. S. (Presenter), Chamberlin, B. A. (Presenter), ACE Virtual Conference - Elevating voices, "Accessibility framework: understanding and integrating accessibility concerns into your design process.," Association for Communication Excellence (ACE), Virtual. (June 23, 2021).

Martinez, P. N. (Presenter), Muise, A. S. (Presenter), Cezarotto, M. A. (Presenter), Chamberlin, B. A. (Presenter), ACE Virtual Conference - Elevating voices, "Serving Users with Virtual Labs in a Time of Distance Learning," Association for Communication Excellence (ACE), Virtual. (June 22, 2021).

Martinez, P. N. (Presenter), Chamberlin, B. A. (Presenter), Smith Muise, A. (Presenter), Cezarotto, M. (Presenter), Bundy, S. (Presenter), North American Colleges and Teachers of Agriculture (NACTA) - Virtual Conference, "It's (Not) Alive! Student perceptions of Virtual Insect Collection Lab," North American Colleges and Teachers of Agriculture, Virtual Conference - Covid 19. (June 16, 2021).

Martinez, P. N. (Presenter), Chamberlin, B. A. (Presenter), Smith Muise, A. (Presenter), North American Colleges and Teachers of Agriculture (NACTA) - Virtual Conference, "Strengthening Agriculture Instruction Online: The User of Digital Media," North American Colleges and Teachers of Agriculture, Virtual Conference - Covid 19. (June 16, 2021).

Martinez, P. N. (Presenter), Smith Muise, A. (Presenter), Tech + Social Studies LIVE! (Virtual Education Conference), "Outbreak Squad: Keeping Your Community Safe," Social Studies Innovative Network and Center on Representative Government and Library of Congress, Virtual - Washington D.C. (June 5, 2021).

Martinez, P. N., Smith Muise, A. (Presenter), Chamberlin, B. (Presenter), S1077: Enhancing Microbial Food Safety by Risk Analysis, "Project Update: S1077: Enhancing Microbial Food Safety by Risk Analysis," S1077 Multistate Project, Virtual. (May 25, 2021).

Martinez, P. N., Chamberlin, B. A., Muise, A. S., Consumer Food Safety Education Conference, "Surprising Successes in Reaching Consumers with Animations, Interactives and Video," Partnership for Food Safety, Virtual. (March 12, 2021).

Chamberlin, B. A., Martinez, P. N., Cezarotto, M., Muise, A. S., Consumer Food Safety Education Conference, "Designing the Next New Thing: What New Tools are Needed, and How Should They Be Used," Partnership for Food Safety, Virtual. (March 9, 2021).

Martinez, P. N., Chamberlin, B. A., National Association of Extension 4-H Agents Annual Conference, "Collaborative Grant Writing: Strategies for Success," NAE4-HA, Boise, Idaho (Online). (October 22, 2020).

Chamberlin, B. A., Martinez, P. N., National Association of Extension 4-H Agents Annual Conference, "Designing for Change: A Simple Model for Creating Effective Learning Tools," NAE4-HA, Boise, Idaho (Online). (October 20, 2020).

Cezarotto, M. (Presenter), Chamberlin, B. A., Martinez, P. N., Society for the Advancement of Chicanos/Hispanics and Native Americans in Science New Mexico State University Chapter (SACNAS), "Redesigning for Accessibility: Design decisions and compromises on the Math Snacks Suite of Games," NMSU, Online. (September 30, 2020).

- Martinez, P. N. (Presenter), Chamberlin, B. A., Games for Change, "Outbreak Squad: Keeping your Community Safe," Games for Change, Virtual - New York City, NY. (July 16, 2020).
- Martinez, P. N. (Presenter), Chamberlin, B. A., Dream Keepers Online presentation, "Educational Ag Media and Resources an Introduction to Careers in Technology," Indian Resources Development - NMSU, Virtual - Zoom. (June 26, 2020).
- Martinez, P. N. (Presenter), Chamberlin, B. A. (Presenter), North American Colleges and Teachers of Agriculture (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), North American Colleges and Teachers of Agriculture (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. (Presenter), Cooperative Extension Service In-Service, "Review Tools Developed by Innovative Media Research & Extension for County FCS Agents, and State Specialists," College of Agriculture, Consumer, and Environmental Sciences, Las Cruces, New Mexico. (January 16, 2020).
- Martinez, P. N. (Presenter), Cooperative Extension Service In-Service, "Review Tools Developed by Innovative Media Research & Extension for County Agriculture Agents, 4-H Agents, and State Specialists," College of Agriculture, Consumer, and Environmental Sciences, Las Cruces, New Mexico. (January 15, 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).

Media Contributions

Other

Extra! Extra! Read All About Research and Creativity at NMSU. (December 13, 2022).

Researchers receive \$550,000 USDA-NIFA grant to develop farmers market food safety game. (November 9, 2022).

NIFA grant teaches youth about biotechnology, develops career readiness. (January 23, 2022).

NMSU professors awarded two Hispanic-Serving Institutions Education Grants. (October 2021).

NMSU Extension offers 4-H member's special project. (April 2, 2020).

Game On: ACES design studio creates educational technology for national, international audiences. (2019).

NMSU design studio creates educational technology for national, international audiences. (August 17, 2019).

Contracts, Grants and Sponsored Research

Cooperative Agreement

Martinez, P. N., Fernald, A. G. (Principal), Bawazir, S. S. (Co-Principal), Chamberlin, B. A. (Co-Principal), Heerema, R. (Co-Principal), Torell, G. L. (Co-Principal), "Securing a Climate Resilient Water Future for Agriculture and Ecosystems through Innovation in Measurement, Management, and Markets," Sponsored by University of California, Merced, Institution of Higher Education, \$0.00. (September 1, 2021 - August 31, 2022).

Prime Grant

Ulery, A. L. (Principal), Carroll, K. C. (Co-Principal), Cezarotto, M. (Co-Principal), Li, X. (Co-Principal), Martinez, P. (Co-Principal), "Diverse Student Learning in Soil, Microbial, and Water Sciences with Experiential Courses and Learning Tools," Sponsored by USDA/National Institute of Food and Agriculture NIFA, Federal, \$40,000.00. (August 15, 2024 - August 14, 2028).

Ulery, A. L. (Principal), Carroll, K. C. (Co-Principal), Cezarotto, M. (Co-Principal), Li, X. (Co-Principal), Martinez, P. (Co-Principal), "Diverse Student Learning in Soil, Microbial, and

Water Sciences with Experiential Courses and Learning Tools," Sponsored by USDA/National Institute of Food and Agriculture NIFA, Federal, \$0.00. (August 15, 2024 - August 14, 2028).

Ulery, A. L. (Principal), Carroll, K. C. (Co-Principal), Cezarotto, M. (Co-Principal), Li, X. (Co-Principal), Martinez, P. (Co-Principal), "Diverse Student Learning in Soil, Microbial, and Water Sciences with Experiential Courses and Learning Tools," Sponsored by USDA/National Institute of Food and Agriculture NIFA, Federal, \$83,000.00. (August 15, 2024 - August 14, 2028).

Sponsored Research

Martinez, P. N. (Principal), Chamberlin, B. A. (Co-Principal), "UNCLOG: UNiversal Crop LOGistics System for Sustainable Feed, Fiber and Feedstock Production," Sponsored by Ohio State University, Other, \$399,036.00. (April 1, 2022 - March 31, 2027).

Martinez, P. N. (Principal), Chamberlin, B. A. (Co-Principal), Cezarotto, M. (Co-Principal), "Sustainable Production of Poultry Products with Improvement of Processing Efficiency, Food Safety, Product Quality, and Human Health," Sponsored by California Polytechnic State University, Other, \$749,990.00. (January 1, 2022 - December 30, 2026).

Martinez, P. N. (Principal), Guzman, I. (Co-Principal), Chamberlin, B. A. (Co-Principal), Cezarotto, M. (Co-Principal), "Innovators from Marginalized Communities: Interactive Labs which Help Students See Themselves in Agricultural Careers," Sponsored by US Department of Agriculture/National Institute of Food and Agriculture NIFA (Formerly USDA CSREES), Other, \$274,989.00. (August 1, 2021 - July 31, 2026).

Martinez, P. N. (Principal), Chamberlin, B. A. (Co-Principal), "TRAIN: Targeted Resources Addressing Identified Needs in Worker Training and Food Safety Culture in Maryland through the Development and On-Farm Evaluation of a Mixed Media Toolkit," Sponsored by University of Maryland, Other, \$150,000.00. (September 1, 2021 - August 31, 2025).

Phillips, S. G. (Principal), Chamberlin, B. A. (Co-Principal), Martinez, P. N. (Co-Principal), "Enhancing Nutrition & Dietetics Education with Artificial Intelligence & Virtual Reality Simulations," Sponsored by Rutgers, Other, \$310,501.00. (September 1, 2021 - August 31, 2025).

Chamberlin, B. A. (Principal), Gleason, J. B. (Co-Principal), Martinez, P. N. (Co-Principal), "An Integrated Approach for Enhancing Food Safety and Reducing Microbial Spoilage of Fresh Produce," Sponsored by University of California, Davis, Other, \$711,010.00. (May 1, 2020 - April 30, 2025).

Martinez, P. N. (Principal), Chamberlin, B. A. (Co-Principal), Gleason, J. B. (Co-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).

Ulery, A. L. (Principal), Ganguli, A. C. (Co-Principal), Steele, C. M. (Co-Principal), Martinez, P. N. (Co-Principal), Flynn, R. P. (Co-Principal), Chamberlin, B. A. (Co-Principal), "Pre-Proposal-Improving Arid Soils: collaborating with Producers to Develop a Research-Based Media and Education Campaign," Sponsored by USDA/NIFA/Western SARE (Sustainable AG RES & ED), Federal, \$350,000.00. (July 1, 2021 - June 30, 2024).

Martinez, P. N. (Principal), Chamberlin, B. A. (Co-Principal), "Bridging The Gap: Expanding A HACCP-Based Curriculum To Help Produce Growers Treat Agricultural Water," Sponsored by Washington State University, Other, \$34,087.00. (September 1, 2020 - August 31, 2023).

Chamberlin, B. A. (Principal), Martinez, P. N. (Co-Principal), Bittner, L. (Co-Principal), "4-H STEM Pathways: Design Research on Moving Youth from Digital to Hands-On Engagement," Sponsored by National Science Foundation, Other, \$300,000.00. (August 1, 2021 - July 31, 2023).

Martinez, P. N. (Principal), Chamberlin, B. A. (Co-Principal), "A feasibility study to develop a multilevel occupational health intervention program for nail salon employees and owners," Sponsored by Drexel University, Other, \$6,829.00. (September 30, 2020 - September 29, 2022).

Chamberlin, B. A. (Principal), Martinez, P. N. (Co-Principal), Gleason, J. B. (Co-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).

Bundy, C. S. (Principal), Martinez, P. N. (Co-Principal), Easterly, R. G., Chamberlin, B. A. (Co-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, \$199,895.00. (September 1, 2018 - August 31, 2022).

Engledowl, C. (Principal), Chamberlin, B. A. (Co-Principal), Martinez, P. N. (Co-Principal), "Math Snacks and Data Jams: Blending Two Successful Mathematics and Science Interventions into an Innovative Approach to Build Statistical Literacy," Sponsored by National Science Foundation, Other, \$3,000,000.00. (September 1, 2021 - December 31, 2021).

Martinez, P. N. (Principal), Chamberlin, B. A. (Co-Principal), "Development of Education Modules of Disease Transmission in Food and Agricultural Settings for Distance Learning," Sponsored by Drexel University, Other, \$250,000.00. (December 1, 2020 - December 31, 2021).

Martinez, P. N. (Principal), Pietrasiak, N. (Co-Principal), Chamberlin, B. A. (Co-Principal), Ulery, A. L. (Co-Principal), "Learning by Design: Agricultural Science Students as Creators of Learning Tools," Sponsored by USDA/NIFA/HSI, Federal, \$249,969.00. (August 1, 2020 - December 31, 2021).

Martinez, P. N. (Principal), Chamberlin, B. A. (Co-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, 2021).

Martinez, P. N. (Principal), Chamberlin, B. A. (Co-Principal), Gleason, J. B. (Co-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, \$98,994.00. (July 15, 2019 - July 14, 2021).

Chamberlin, B. A. (Principal), Martinez, P. N. (Co-Principal), "How did Rona steal my lunch?: Empowering K-14 teachers to provide whole-child Ag-STEM educational experiences at a distance.," Sponsored by North Carolina State University, Other, \$500,086.00. (December 1, 2020 - January 31, 2021).

Chamberlin, B. A. (Principal), Beck, S. R., Martinez, P. N. (Co-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 - January 31, 2021).

Martinez, P. N. (Principal), Chamberlin, B. A. (Co-Principal), Gleason, J. B. (Co-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 - January 31, 2021).
- Martinez, P. N. (Principal), Chamberlin, B. A. (Co-Principal), Gleason, J. B. (Co-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 - January 31, 2021).
- Hernandez Gifford, J. (Co-Principal), Ward, F. (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).
- Ulery, A. L. (Principal), Martinez, P. N. (Co-Principal), Fernald, A. (Co-Principal), Chamberlin, B. A. (Co-Principal), "Building Student Leadership Across Interdisciplinary Water Studies," Sponsored by USDA/NIFA/HSI, Federal, \$274,993.00. (October 1, 2019 - January 31, 2020).
- Martinez, P. N. (Principal), Gleason, J. B. (Co-Principal), Chamberlin, B. A. (Co-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).
- Chamberlin, B. A. (Principal), Martinez, P. (Co-Principal), Martinez, P. N. (Co-Principal), "Update for Night of the Living Debt," Sponsored by University of Idaho, Other, \$22,000.00. (September 1, 2017 - August 31, 2019).
- Dubois, D. W. (Principal), Chamberlin, B. A. (Co-Principal), Martinez, P. N. (Co-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).
- Sanogo, S. (Principal), Idowu, O. J. (Co-Principal), Acharya, R. (Co-Principal), Bosland, P. (Co-Principal), Hanson, S. F. (Co-Principal), Fedio, W. M. (Co-Principal), Martinez, P. N. (Co-Principal), Chamberlin, B. A. (Co-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. (Principal), Martinez, P. N. (Co-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).
- Martinez, P. N. (Principal), Chamberlin, B. A. (Co-Principal), Gleason, J. B. (Co-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).
- Gleason, J. B. (Principal), Martinez, P. (Co-Principal), Martinez, P. N. (Co-Principal), Chamberlin, B. A. (Co-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. (Principal), Chamberlin, B. A. (Co-Principal), Martinez, P. (Co-Principal), Martinez, P. N. (Co-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).

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

Martinez, P. N. (Principal), Gleason, J. B. (Co-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).

Gleason, J. B. (Principal), Chamberlin, B. A. (Co-Principal), Martinez, P. (Co-Principal), Martinez, P. N. (Co-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).

Guzman, I. (Principal), Valles-Rosales, D. J. (Co-Principal), Martinez, P. (Co-Principal), Mitchell, M. C. (Co-Principal), Martinez, P. N. (Co-Principal), Garzon, R. (Co-Principal), Chamberlin, B. A. (Co-Principal), Devall, E. L. (Co-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).

Sub-Grant

Chamberlin, B. A. (Principal), Cezarotto, M. (Co-Principal), Martinez, P. (Co-Principal), "GLEAN (Game Learning to Educate and Advance Knowledge): Transformative Food Safety Training for Farmers Market Vendors," Sponsored by University of Arkansas, Institution of Higher Education, \$220,000.00. (September 1, 2022 - August 31, 2026).

Martinez, P. (Principal), Chamberlin, B. A. (Co-Principal), "TRAIN: Targeted Resources Addressing Identified Needs in Worker Training and Food Safety Culture in Maryland through the Development and On-Farm Evaluation of a Mixed Media Toolkit," Sponsored by University of Maryland, Institution of Higher Education, \$14,650.00. (September 1, 2021 - August 31, 2025).

Martinez, P. (Principal), Chamberlin, B. A. (Co-Principal), "Bridging the Gap: Expanding A HACCP-Based Curriculum to Help Produce Growers Treat

Agricultural Water (Argis 32030** see notes)," Sponsored by University of Georgia, Institution of Higher Education, \$50,001.00. (October 15, 2021 - October 14, 2023).

Intellectual Contributions in Submission

Journal Articles

Cezarotto, M., Muise, A., Martinez, P. N., Chamberlin, B. A. "I Love This Game, But...": Increasing Accessibility and Rethinking Representation through Redesign of Educational Games". *New Media and Society*.

Research Currently in Progress

"AI for Extension and Education: What should I know about it?" (On-Going). (October 2025 - Present).

Artificial Intelligence (AI) now impacts many fields and people's lives. This extension research explores the role of artificial intelligence in education and extension services. It discusses trends, applications, and key insights related to this technology. As more schools and professionals adopt AI, it is essential to stay current with new technology.

"Food Bioengineering, Processing, and safety Umbrella Project" (On-Going). (2023 - Present).

Bioengineering, food processing, and food safety are crucial for the food supply chain and contribute to food security through innovative technologies and healthy food development. The interdisciplinary Food Bioengineering, Processing, and Safety group at the College of ACES at NMSU focuses on value-added agriculture and food safety, serving small to large agriculture, food, and aquaculture producers in New Mexico and the U.S.

Provide informal and formative learning opportunities through various curricula and outreach activities, enhancing communication skills for researchers in science and agriculture, offering educational resources about career options in agricultural sciences for students, and evaluating the impact of these learning opportunities to train future agricultural professionals.

"Article 2: Developing Inclusive Games: Design Frameworks for Accessibility and Diversity" (Planning). (November 2022 - Present).

Working on refining and revising our Inclusion Framework for Accessibility and Diversity.

"Ag Innovators: Helping Students See Themselves in Agricultural Careers" (On-Going). (October 2021 - Present).

In concert with the goals of the HSI Education Grants Program objectives, the proposed work enables a research-based project to develop place-based, engaging learning tools that help students see themselves in agricultural careers, while building conceptual understanding of agricultural science topics.

Long term goals: Undergraduate students will expand their identity *as someone with a potential career in agriculture* and may increase their interest in pursuing a career in agriculture.

"Peer Review Process for Innovative Media Research and Extension Products" (On-Going). (February 2021 - Present).

"Research and Responsiveness to Issues of Inclusive Design in Educational Media and Extension" (On-Going). (January 2021 - Present).

Our departmental focus as Extension professionals and education media developers is on supporting learning through digital media tools; such as animations, games, apps, interactive labs and videos. As researchers and developers, we have a commitment to our global audiences and foster inclusion as a way of reaching wider audiences using our educational media. The audience for this work includes the users of all developed materials, as well as Extension faculty developing their own media. Stakeholders, funders and extension educators seeking to reach all audiences with culturally appropriate, equitable and representative media. Ensuring developed media is included in the *Foundational Education and Training* base of the NMSU ACES pillars, developed products cut across all other content areas in the pillars.

"Accessibility in Game Design" (On-Going). (2020 - Present).

Reviewing processes in the design and production of games which increase accessibility by different audiences with ranges of cognitive, motor, visual or audio needs.

"User Testing Methodologies" (On-Going). (2003 - Present).

The Learning Games Lab conducts formative testing for various digital products and

audiences. Ongoing research evaluates methodologies, documenting user testing processes and specific outcomes to support the development of new products.

"Discovering Climate Change Impacts and Adaptation Strategies in Arid and Semi-Arid Regions Umbrella Project" (Completed). (January 2024 – On Going).

The ACES "Climate Change Adaptation and Resilience" hatch umbrella project team has

"Pinning Down Ag Literacy: Expanding Access to Insect Science" (On-Going). (March 2021 - 2024).

Continuing research with youth and teachers using the Virtual Inspect Pinning interactive created by our Learning Games Lab as part of a USDA SPECA grant.

SERVICE

Department Service

Committee Member, Departmental Blog and Extension Email Initiative. (March 2021 - Present).

Committee Chair, Departmental Professional Development. (May 2023 - 2024).

College Service

Committee Member, ACES Connections and Engagement Committee. (February 2025 - Present).

Committee Member, AES Umbrella Capacity Project: Climate Adaptation and Resilience Umbrella Project. (June 2023 - Present).

Committee Member, AES Umbrella Capacity Project: Food Bioengineering, Processing, and Safety. (June 2023 - Present).

Committee Member, NM EDGE Curriculum Committee. (May 2023 - March 2025).

ACES Representative (1 of 2), FDIC Digital Equity Workshop/Webinar Series. (November 2022 - 2023).

Committee Member, Faculty Search Committee - Innovative Media Research and Extension Department. (May 2023 - October 2023).

Committee Member, Post-Doc Search Committee - Innovative Media Research and Extension Department. (May 2023 - October 2023).

Committee Member, Department Head Search Committee - Innovative Media Research and Extension Department. (June 2022 - April 2023).

Committee Member, New Mexico State University Specialist Association. (January 2019 - February 2023).

Committee Member, Task Force: Alternative to Hands-on. (May 20, 2020 - July 1, 2020).

University Service

USDA E. Kika De La Garza Fellowship Program. United State Department of Agriculture, Washington D.C. (July 2025).

Station Representative, S1077: Enhancing Microbial Food Safety by Risk Analysis. (October 14, 2018 - Present).

Judge, Graduate Research and Arts Symposium (GRAS). (October 31, 2025).

Station Representative, NC1023 Engineering for food safety and quality. (October 14, 2018 - July 2024).

Committee Member, Task Force: Alternative to Hands-on. (May 20, 2020 - July 1, 2020).

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

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

Professional Service

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

Committee Member, NC1023: Engineering for Food Safety and Quality. (June 2017 - 2024).

Reviewer, Journal Article, Games for Health Journal. (August 2024 - September 2024).

Program Organizer, Consumer Food Safety Education Conference (2023). (March 22, 2022 - March 2023).

Reviewer, Conference Paper, Grace Hopper Convention, Las Cruces, New Mexico. (March 29, 2020 - April 6, 2020).

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

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

Community member that donates goods., Compassion Through Action - Española Branch, Española, New Mexico. (January 2020 - Present).

Guest Speaker, Las Cruces High School, Las Cruces, NM. (2018).

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