

Curriculum Vitae

Jason L. Turner

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Education

- 2001: Ph.D., Animal Sciences & Industry, Kansas State University. Dissertation: Effects of natural alternatives to conventional antimicrobials on growth performance and immune function of nursery pigs during an acute enteric disease challenge with *Salmonella typhimurium*. Advisor: Dr. Ernie Minton
- 1996: M.S., Animal Sciences & Industry, Kansas State University. Thesis: Effect of density gradient composition on in vitro maturation of stallion sperm. Advisor: Dr. Mark Arns
- 1994: B.S., Animal Science (Biotechnology Option), Oklahoma State University.
- 1992: A.S., Pre-Veterinary Science, Eastern Oklahoma State College, Wilburton.

Professional Experience

- July 2013-present: **Professor and Extension Horse Specialist**, Extension Animal Sciences & Natural Resources, New Mexico State University. 75% extension and 25% research appointment.
- July 2009-June 2013: **Associate Professor and Extension Horse Specialist**, Extension Animal Sciences & Natural Resources, New Mexico State University. 75% extension and 25% research appointment.
- July 2008-June 2009: **Associate Professor and Extension Horse Specialist**, Department of Animal and Range Sciences, New Mexico State University. Responsibilities included 65% teaching, 25% extension, 10% research.
- July 2002-July 2008: **Assistant Professor of Animal and Range Sciences and Extension Horse Specialist**, Department of Animal and Range Sciences, New Mexico State University. Position responsibilities included 75% teaching and 25% extension from July 2002 to July 2005. Position adjusted to 65% teaching, 25% extension, and 10% research in July 2005. Specific duties have included: (1) Instructor of record for ANSC 103, 265, 288, 289, 320, 321, 355, 383, 415, and 448, (2) Advisor to students and student clubs in equine-related areas, (3) Faculty supervisor of NMSU Horse Center and Equestrian Program, (4) Coordinating equine and youth educational programs through the Cooperative Extension Service, (5) Equine information resource for the residents of New Mexico, (6) Recruitment of students for the Department of Animal and Range Sciences, and (7) research impact of nutritional factors on equine health.
- July 2001-June 2002: **Assistant Professor and Director of Equine Studies**, Department of Animal and Range Sciences, North Dakota State University. Position responsibilities 70% teaching, 25% research, and 5% community outreach. Duties included: sole instructor for four equine studies courses, developed course curriculum and degree plan, planning and development of the facilities needed for the growing program, educational resource person for extension personnel and the residents of North Dakota, and recruited and advised undergraduate students. Assisted and mentored two graduate students conducting research in dairy calf health and nutrition. Courses taught included: ARSC 260 Horse Production, ARSC 261 Basic Equitation & Horsemanship, ARSC 365 Equine Evaluation, and ARSC 363 Equine Nutrition & Physiology.
- July 1997-June 2001: **Assistant Instructor**, Kansas State University. Responsibilities included: teaching Equine Reproductive Management (ASI 504), supervising students conducting undergraduate and graduate research projects, coordinating departmental events (Quadrathlon, judging contests, etc.), and guest lectures on equine behavior and management in various courses. Planned and conducted research in equine nutrition, reproduction, and immunology. Served as manager of the animal science department's equine teaching and research center.
- August 1996-June 1997: **Agriscience Instructor**, Fort Scott (KS) Community College. Duties included: teaching courses in animal science, academic advisor for students majoring in agriculture, coaching the livestock

judging team, coordinating recruiting programs and events. Taught 15 credits per semester including courses in animal science, plant science, soil science, and entomology.

August 1995-July 1996: **Graduate Research Assistant**, Kansas State University. Teaching assistant for Livestock & Meat Evaluation (ASI 315) and Horse Science (ASI 521). Conducted equine reproduction research. Assisted with youth and adult horse and livestock extension programs.

August 1992-February 1994: **Student Employee**, OSU Purebred Beef Cattle Center. Since I lived in on-site housing, I was always on call in case of emergencies. My duties included feeding, facility maintenance, herd health practices, and preparation of show and sale cattle at a 200 head operation.

1983-1990. Turner Suffolks. **Owner**. Responsible for day-to-day management of about 100 grade and registered Suffolk sheep. Fitted and showed breeding stock, sale animals, and club lambs.

Professional Certifications & Continuing Education

NMSU Teaching Academy workshop “Strategies for Teaching Online” (Participant, August 2017).

NMSU Teaching Academy workshop “Evidence-Based Instructional Practices” (Participant, June-July 2017).

Principal Investigator Training for Researchers at NMSU. (Participant, April 6, 2017).

Create, Manage, and Share Content with SoftChalk. (Webinar participant, March 22, 2017).

CITI Basic Course in Laboratory Animal Welfare for Investigators, Staff and Students (2010, 2012, 2014, 2016)

Rocking 74 Ranch Horse Clinic. Aspermont, TX. (Participant, April 20-24, 2016).

United States Dairy Education and Training Consortium. Clovis, NM. (Course assistant, May-June 2015).

American Stock Horse Association (Member, Judges Certification 2014-17).

NMSU ADVANCE: Advancing Leaders Program (Member 2014-2015 class. Mentor: Deputy Provost Fant).

OK Corral Certification Seminar in Equine-Assisted Learning. Mescalero, NM. October 10-12, 2013.

International Equine Judges Seminar (Participant for recertification: 2004, 2006, 2009, 2013, 2016).

Biostatistics CSE-40049 (University of California—San Diego Extension), Online course, July-September 2011.

Preparing Communities for Animal, Plant, & Food Incidents. SW Border Food Safety Center. October 12, 2011.

Developing an iPhone App webinar. eXtension Professional Development. April 15, 2011.

Biosecurity/Food Safety Training. Southwest Border Food Safety Center. Las Cruces, February 2, 2011.

Be Prepared to Lead (NMSU Center for Learning & Professional Development), December 2010.

Podcasting 301: Teaching Strategies (NMSU Teaching Academy Workshop), Las Cruces, September 26, 2008.

Equine Embryo Transfer Short Course. Amissville, VA. February 2008.

Palomino Horse Breeders of America (Lifetime member; Judges Certification 2006, 2016 Field Inspector).

American Buckskin Horse Registry Association (Member, Judges Certification 2005).

American Quarter Horse Association Show Management Seminar. Amarillo, TX. August 2003.

American Registry of Professional Animal Scientists (Certification in Horses, 1996).

Memberships in Professional and Trade Associations

American Society of Animal Science (Member, 1996-present; Horse Symposium Chair, 2008, 2018).

Equine Science Society (Member, 1995-present; Board of Directors, 2009-15; Host Committee, 2011-13).

American Academy of Veterinary Nutrition (Member, 2015-present).

Epsilon Sigma Phi (President 2016-2018; Vice-President 2014; Member, 2012-present).

NM and National Association of County Agricultural Agents (Member, 2011-2016).

NM Horse Council (Lifetime Member; Board of Directors 2010-2015).

NM Cattle Growers' Association (Member, 2010-2014).

NM Farm and Livestock Bureau (Member, 2012-present).
 NM Extension Specialists Association (Member, 2009-present; President 2012).
 American Quarter Horse Association (Lifetime member).
 NM Quarter Horse Association (Member, 2009-2014).
 Southwest Quarter Horse Association (Member, 2009-2010, 2014-16; Board of Directors 2004-2006).
 National Horse Judging Team Coaches Association (2003-2010; Board of Directors 2008-2010).
 American Registry of Professional Animal Scientists (Member, 1996-present).

Honors and Awards

2016 NMSU Teaching Academy, Distinguished Member Award
 2015 American Horse Council Van Ness Award: Nominated by NM Horse Council
 2014 NM Extension Specialists Association, Distinguished Service Award
 2013 Distinguished Team Award, NMSU Chapter of Epsilon Sigma Phi
 2012 NM Horse Council Award for Exemplary Leadership and Service to the NM Equine Industry
 2012 National Association of County Agriculture Agents—Received 5 Communication Awards
 New Mexico Horse Council Appreciation Award for Service, 2010, 2011, 2012, 2015
 2010-2011 NMSU Horsemen’s Association Outstanding Advisor Award
 2006 NM FFA Honorary State Farmer Degree
 2006 NMSU Teaching Academy: “Honorary” doctorate for Peer Coaching Program.

Student Awards and Activities

- 1999 KSU Animal Sciences & Industry Outstanding Ph.D. Student--Runner Up
- 1995 NCA Beef Quiz Bowl Contest--3rd place team
- 1994 ASAS Southern Section Academic Quadrathlon--1st place team
- 1993 OSU Livestock Judging Team--Reserve National Champion Team; OSU Bratcher Trophy Winner
- 1993 Oklahoma Quarter Horse Racing Association Scholarship
- 1992 OSU Horse Judging Team--Quarter Horse Congress Champion Team
- 1992 EOSC Meats Judging Team--6th place individual at Houston Contest
- 1991 EOSC Livestock Judging Team--American Royal Champion Team

Teaching Experience

Teaching philosophy

The desire to teach is why Jason Turner pursued graduate studies in animal sciences. The chance to watch a student’s face light up as they get back the test that they ‘aced’ or after they have just learned a new skill or had a breakthrough in working with their horse is what drives him to strive for excellence with students under his guidance. **“Teaching consists of causing or allowing people to get into situations from which they cannot escape except by thinking.”** This quote is taken from the preface of the text used when teaching Equine Reproduction. This is an appropriate summation of Dr. Turner’s teaching philosophy. At all academic levels (freshman to graduate student) he tries to foster student learning by challenging them to find solutions to problems by applying their knowledge to the given situation. Often times this can be difficult for freshman; however, he starts small and gradually builds them up until senior students are able to solve “real world” case-study type problems. Teaching students to think through problems is vital to training our animal scientists of tomorrow. Dr. Turner firmly believes his **primary objective** should be to prepare students to be competent and skillful candidates who can market themselves in today’s competitive job market. Therefore, he constantly thinks of new ways or opportunities for students to learn valuable skills related to the horse industry. Although he has high standards for his students, Dr. Turner’s goal is to be fair and objective in testing their knowledge and assigning grades based upon their results.

In the “horse” subject matter area, many of the “measurable” outcomes center on skill development as well as acquisition of knowledge. Almost all of the courses Dr. Turner teaches have a heavy laboratory component where students learn specific skills related to horses, and then they are evaluated for proficiency on those skills. This experiential learning takes in many forms from actual handling, training, and grooming of horses to learning to use a microscope for stallion semen analysis to collaborative learning opportunities where students help each other learn the skills or material. Many of the courses, as well as teaching opportunities outside of a formal course, use service learning so students gain practical real world experience while serving the local and state-wide community. With a split appointment of teaching and extension, the specialist has an excellent opportunity to facilitate the interaction between our students and extension clientele. This has led to many positive outcomes in recruiting, public relations, and student learning. A recent example of integrating the academic and extension arms of the land grant mission is showcased in the NMSU Equine Industry Study Tour.

At one time or another during his career at NMSU, Dr. Turner has served as instructor of record for over 13 different equine courses offered at NMSU that are required for majors in Animal Science as well as the minor in Horse Management. This requires him to be well-versed in all aspects of equine science and management. His biggest successes have been in teaching equine reproductive physiology and management and equine evaluation. In these areas, students have excelled in training for careers in the industry and garnered positive recognition for the NMSU Horse Program nationwide.

Courses taught at NMSU (other than graduate thesis hours; P= “practice” or lab hours)

July 2009-present:

ANSC 308. Horse Evaluation. 4 cr. (2+4P). Students will acquire a working knowledge of selection and classification of horses, learn criteria for evaluation and selection of breeding and show animals, gain a broad understanding of judging conformation and performance in the horse, and learn effective oral and written communication skills through defense of class placings. This course is considered an introduction to the NMSU Horse Judging Team. (Dr. Turner provided **guest lectures** in Spring 2017 for the graduate student teaching the course while she was out of town on collegiate horse judging team trips.)

ANSC 425. Horse Science and Management. 3 cr. (2+2P). Spring 2017. Senior level course requiring students to apply basic knowledge acquired in the prerequisite courses to solve typical problems encountered in the horse industry. Specific topics include genetics and animal breeding, business and legal issues, reproduction, health, nutrition and exercise physiology. (Dr. Turner taught the last half of the semester for a colleague that was on maternity leave.)

ANSC 290. Western Equitation II. 2 cr. (4P). Spring 2016. Intermediate principles of Western riding, including reading horse behavior, limbering-up exercises, and developing riding skills. Introduction to rollbacks, turnarounds and stops. Prerequisite: consent of instructor. (Overload teaching assignment when the department lost an instructor position.)

ANSC 448/598: NMSU Equine Industry Study Tour. May 2011 and May 2012. This program grew from a desire that Dr. Turner had since 2007. He always wanted to take NMSU students and get them some “face-to-face” time with leaders in the NM equine industry so they would have a better grasp of what opportunities were available to them upon graduation. At the same time, he realized this is an excellent opportunity to expose county extension agents to the vast equine resources within the state that can be helpful in conducting county and regional extension programs in the equine area. The tour meshes the teaching and extension role of NMSU into a week-long tour where undergraduate students and county extension agents enroll in the three-credit course to visit equine operations that showcase the diverse nature and rich heritage of the horse industry in NM.

August 2002-June 2009:

ANSC 103. Introductory Horse Science 3 cr. (2+2P). The light horse industry; breeds; introduction to feeding, breeding, marketing and management; handling and selecting horses for breeding and performance.

ANSC 190. Western Equitation I. 2 cr. (4P). Basic principles of Western riding, including care/management of the horse, equitation equipment, and development of riding skills.

ANSC 265. Horse Evaluation 2 cr. (4P). Selection and classification of horses.

ANSC 288. Horse Fitting and Selling 3 cr. (1+4P). Preparation of horses for sale; planning and conduct of auction sale; application of marketing principles relating to selling horses.

ANSC 289. Management of Equine Operations 3 cr. (1+4P). Lecture topics address knowledge and skills needed to effectively manage the daily operations of an equine enterprise; practice lab hours provide training in the daily care and management of horses and equine facilities.

ANSC 320. Applied Horsemanship 3 cr. (6P). Basic principles, methods and philosophies of handling, breaking and training the two-year-old Western horse.

ANSC 321. Applied Horsemanship II 3 cr. (6P). Continuation of ANSC 320. Further development of skills required to advance the training of the two-year-old Western horse. Emphasis will be placed on lateral work, lead changes, turn-arounds, obstacles, and making the horse accustomed to ranch and trail riding situations.

ANSC 355. Advanced Horse Evaluation 2 cr. (4P) Advanced selection/classification of horses.

ANSC 383. Equine Reproductive Management 3 cr. (1+4P). Anatomy, physiology, and endocrinology of reproduction of the mare and stallion; training in modern reproductive techniques used in the horse industry.

ANSC 415. Horse Science and Management 3 cr. (2+2P). Senior level course requiring students to apply basic knowledge acquired in the prerequisite courses to solve typical problems encountered in the horse industry. Specific topics include genetics and animal breeding, business/legal issues, reproduction, health, nutrition and exercise physiology.

ANSC 448. Problems 1-4 cr. Individual investigation in a specific area of animal science.

Roles in Advising and Mentoring Students

- At NMSU, departmental faculty share the responsibility for academic advising of undergraduate students, and Dr. Turner routinely advised 30-50 students per year. He also routinely advises students on career and graduate school options as well as assisting them with their job hunt and applications for their first career. Dr. Turner has directed the efforts of graduate and/or undergraduate students conducting equine research as well as those serving as teaching assistants or assisting with Extension programs in order to gain more on the job experience prior to graduation.
- In 2005, Dr. Turner worked with a group of students to establish the NMSU Horsemen's Association as a club where students from any major could be a part of the NMSU Equine Program and learn more about the equine industry while serving their local and statewide industry. He served as a hands-on advisor (2005-2015) and helped the club carry out their annual programs. These included: NMSU Horsemen's Year End Awards Dinner (2009-2013), Fairacres Elementary Ag Day Workshops (2012, 2015), Southern NM State Fair Open Horse Show (2010-2015), NMSU Horsemen's Day at the NM Horse Council Booth at NM State Fair (2010-2012), NMSU Horsemen's trip to the National Convention (2010), NMSU Horsemen's Breast Cancer Awareness BBQ (2010-2012), and NMSU Horsemen's Dance (2009-2013).
- Coach, NMSU Intercollegiate Horse Judging Team (2003-2008)
 - Duties included: trained the team, traveled to practices and contests, organized workouts, recruited students, etc. During the judging season, Dr. Turner spent on average 20+ hours per week on team related activities. These efforts were well rewarded with the successful finishes that the teams have had.
 - 2008: This team placed 1st at the NACTA contest, 10th at the APHA contest, and 5th at both the AQHA Congress and World Show Contests this fall with individuals placing in the top 10 in various divisions at each contest.
 - 2006: 10th place team and individual overall at the National Reining Breeders Classic Judging Contest.
 - 2005: High Point Individual Overall and 7th High Individual Overall—College Division at US National Arabian Youth Judging Contest. American Morgan Horse Association Grand National Show Collegiate Judging Contest: Reserve National Champion Team: Performance, Reasons, and Overall; 2nd, 7th, and 9th High Individuals Overall. Scottsdale Arabian Horse Show Judging Contest: 3rd High Individual in Performance, 5th & 6th High Individuals in Reasons, and 3rd Place Team: Halter, Performance, Reasons, and Overall.
 - 2004: 5th High Individual in Performance at AQHA Congress Collegiate Judging Contest—Jr. Division.

Research, Scholarship, and Creative Activity

As an applied scientist, Dr. Turner desires to build on the findings of basic research and translate that into applications that benefit the health and well-being of horses through improved management by horse owners. **The goal of his research program is to train students** to design and conduct sound studies that are worthy of publication in peer-reviewed journals so that these results are shared with the whole scientific community. He has the responsibility of designing experiments, obtaining funding and support for those studies, and collaborating with colleagues and students to conduct the actual experiments. The culmination of a successful experiment is the publication of a peer-reviewed journal article through the combined efforts of Dr. Turner and his collaborators from NMSU and other institutions. At the 2007 Equine Science Society Symposium Undergraduate Student Research Competition, Shanna Hardin, a student of Dr. Turner, placed 2nd in the competition. Again, at the 2009 Equine Science Society Symposium Undergraduate Student Research Competition, Logan Potts, a student of Dr. Turner, placed 2nd in the competition.

Publications and Scholarly Works

Peer-reviewed journal articles

- Gilliam, GG, CA Löest, JW Waggoner, JL Turner, and DM Hallford. Post-ruminal branched-chain amino acid supplementation and intravenous lipopolysaccharide infusion alters nitrogen balance, blood metabolites, and rumen fermentation of growing steers. *J Anim Sci* ([Final preparation for submission](#)).
- Malesky, SM, JL Turner, CA Löest, L Chen, and J Browne-Silva. 2013. Nitrogen retention and plasma amino acid responses in mature geldings fed three dietary concentrations of lysine. *J Eq Vet Sci* 33:733-738.
- Lauriault, LM, DM VanLeeuwen, and JL Turner. 2013. Irrigation and nitrogen treatments slightly affected teff yield and quality in the southwestern USA. *Forage and Grazinglands* (doi:10.1094/FG-2013-0326-01-RS).
- Penrod, LV, RE Allen, ML Rhoads, JL Turner, SW Limesand, and MJ Arns. 2013. Effects of Oxytocin, LPS, and polyunsaturated fatty acids on prostaglandin secretion and gene expression in equine endometrial explant cultures. *Domestic Animal Endocrinology* 44:46-55.
- Potts, L, J Hinkson, B Graham, C Löest, and J Turner. 2010. Nitrogen retention and nutrient digestibility in geldings fed grass or alfalfa hay or alfalfa cubes. *J Eq Vet Sci* 30:330-333.
- Waggoner, JW, CA Löest, JL Turner, CP Mathis, and DM Hallford. 2009. Effects of dietary protein and bacterial lipopolysaccharide infusion on nitrogen metabolism and hormonal responses of growing beef steers. *J Anim Sci* 87:3656-3668.
- Turner, JL, JW Waggoner, SS Rose, MJ Arns, KG Hankins, and J Tuttle. 2008. West Nile Virus Antibody Titers and Total Immunoglobulin G Concentrations in Foals from Mares Vaccinated in Late Gestation. *J. Eq. Vet. Sci.* 28: 17-21.
- Hardin, SN, LB Potts, JW Waggoner, CA Löest, and JL Turner. 2007. Dietary capsaicin does not alter synovial concentrations of prostaglandin E2 or the acute phase response in aged horses following antigenic challenge. *J. Eq. Vet. Sci.* 27:494-498.
- Jenkins, NL, JL Turner, SS Dritz, SK Durham, and JE Minton. 2004. Changes in circulating insulin-like growth factor-I, insulin-like growth factor binding proteins, and leptin in weaned pigs infected with *Salmonella enterica serovar Typhimurium*. *Domest. Anim. Endocrinol.* 26:49-60.
- Turner, JL, MJ Arns, and JE Minton. 2003. Case Study: Effect of Non-Specific Immunostimulation of Parturient Mares on Colostral Quality and Foal Immune Function. *Prof. Anim. Sci.* 19:62-67.
- Turner, JL, MJ Arns, JE Minton, and JA Pruitt. 2003. Effects of Abrupt versus Gradual Weaning on Cortisol and Immune Function Responses of Foals. *Prof. Anim. Sci.* 19:55-61.
- Turner, JL, SS Dritz, JJ Higgins, and JE Minton. 2002. Effects of *Ascophyllum nodosum* extract on growth performance and immune function of weanling pigs challenged with *Salmonella typhimurium*. *J.Anim.Sci.*80:1947-53.

- Turner, JL, LP Todd, MJ Arns, JJ Higgins, and JE Minton. 2002. Case Study: Use of Optical Density of Mammary Secretions to Predict Parturition in Mares. *Prof. Anim. Sci.* 18:312-315.
- Balaji, R, KJ Wright, JL Turner, CM Hill, SS Dritz, B Fenwick, JA Carroll, ME Zannelli, LA Beausang, and JE Minton. 2002. Circulating cortisol, tumor necrosis factor alpha, interleukin-1 beta, and interferon gamma in pigs infected with *Actinobacillus pleuropneumoniae*. *J. Anim. Sci.* 80:202-207.
- Turner, JL, SS Dritz, JJ Higgins, KL Herkelman, and JE Minton. 2002. Effects of a *Quillaja saponaria* extract on growth performance and immune function of weanling pigs challenged with *Salmonella typhimurium*. *J. Anim. Sci.* 80:1939-1946
- Turner, JL, SS Dritz, and JE Minton. 2001. Review of Natural Alternatives to Conventional Antimicrobials in Swine Diets. *Prof. Anim. Sci.* 17:217-226.
- Turner, JL and MJ Arns. 1997. Effect of density gradient composition on in vitro maturation of stallion sperm. *J. Eq. Vet. Sci.* 18:260-65.
- Abstracts (*Indicates the presenter of an invited presentation at a professional meeting)
- Penrod*, LV, RE Allen, ML Rhoads, JL Turner, SW Limesand, and MJ Arns. 2011. Effects of Oxytocin, LPS, and Polyunsaturated Fatty Acids on PGF2 α Secretion and Gene Expression during Equine Endometrial Culture. *J Eq Vet Sci* 31:314.
- Malesky, SM, L Chen, CA Löest, and JL Turner*. 2011. Plasma Amino Acid Response in Mature Geldings Fed Three Concentrations of Lysine. *J Eq Vet Sci* 31:255-256.
- Malesky, SM, F Harrelson, M Russell, K DeAtley, B Carter, CA Löest, and JL Turner*. 2011. Nitrogen Retention and Nutrient Digestibility in Geldings Fed Three Concentrations of Lysine. *J Eq Vet Sci* 31:256-257.
- Potts*, L, J Hinkson, B Graham, C Löest, and J Turner. 2009. Nitrogen retention and nutrient digestibility in geldings fed grass or alfalfa hay or alfalfa cubes. *J Eq Vet Sci* 29:487-488.
- Waggoner, JW*, CA Löest, JL Turner, CP Mathis, KK Kane, L Chen, DM Hallford, and MK Petersen. 2007. Effects of bacterial endotoxin and dietary protein on serum hormones and plasma amino acids in growing beef steers. *Proc. West. Sec., Am. Soc. Anim. Sci.* 58:348-351.
- Waggoner, JW*, CA Löest, JL Turner, CP Mathis, KK Kane, DM Hallford, and MK Petersen. 2007. Effects of endotoxin and dietary protein on N metabolism and serum cortisol and haptoglobin in growing beef steers. *J. Anim. Sci.* 85(Suppl.1):235.
- Hardin*, SN, LB Potts, JW Waggoner, and JL Turner. 2007. Effect of dietary capsaicin on immune function and health of horses. *Proc.20th. Eq. Sci. Soc.:*62.
- Waggoner*, JW, CA Löest, JL Turner, CP Mathis, KK Kane, DM Hallford, and MK Petersen. 2007. Increasing Dietary Protein Improves Nitrogen Retention in Steers Following an Endotoxin Challenge. *Proc. Plains Nutrition Council Spring Conference. Texas A & M Univ.* p. 110.
- Waggoner*, J, S Rose, L Berkompas, J Turner, and M Arns. 2005. West Nile virus (WNV) antibody titers and total immunoglobulin G (IgG) in foals from mares vaccinated in late gestation. *Proc. 19th Eq. Sci. Soc.* 229.
- Turner, JL, SS Dritz, and JE Minton*. 2003. Feeding seaweed extract to nursery pigs alters circulating thyroid hormones. *J.Anim.Sci.* 81(Suppl.1):M109.
- Arns*, MJ and JL Turner. 2003. Acrosome reaction induction in stallion sperm isolated by Percoll gradient centrifugation. *Am. Soc. Androl. Suppl.* 2003:63.
- Turner*, JL, EG Davis, JE Minton. 2001. Prostaglandin E2 response of alveolar macrophages differs between foals and mares. 82nd Conference of Research Workers in Animal Diseases, p. Abstr. 106P. St. Louis, MO.
- Turner*, JL, LP Todd, MJ Arns, and J Higgins. 2001. Optical density of pre-foaling mammary secretions is a reliable predictor of foaling time in mares. *Proc. 17th ENPS:* 411.

- Turner*, JL, MJ Arns, and JE Minton. 2001. Effect of non-specific immunostimulation of prepartum mares on colostral quality and foal immune function. Proc. 17th ENPS: 355.
- Turner*, JL, SS Dritz, JR Werner, CM Hill, K Skjolaas, and JE Minton. 2001. Effect of seaweed extract on weanling pig growth performance and immune function during acute enteric disease challenge. J. Anim. Sci. 79 (Suppl. 2):79.
- Turner*, JL, SS Dritz, JR Werner, CM Hill, K Skjolaas, K Herkelman, and JE Minton. 2001. Effect of a *Quillaja saponaria* extract on weanling pig growth performance and immune function during acute enteric disease challenge. J. Anim. Sci. 79 (Suppl. 2):79.
- Werner*, JR, JL Turner, CM Hill, SS Dritz, and JE Minton. 2000. Changes in circulating osteocalcin (OC), triiodothyronine (T3) and thyroxine (T4) in weaned pigs infected with *Salmonella typhimurium*. 81st Conference of Research Workers in Animal Diseases, p. Abstr. 2P. Chicago, IL
- Jenkins*, NL, JL Turner, SK Durham, JR Werner, CM Hill, SS Dritz, and JE Minton. 2000. Changes in circulating insulin-like growth factor-I and IGF binding proteins in weaned pigs infected with *Salmonella typhimurium*. 81st Conference of Research Workers in Animal Diseases, p. Abstr. 1P. Chicago, IL.
- Balaji*, R, KJ Wright, JL Turner, CM Hill, SS Dritz, B Fenwick, JA Carroll, ME Zannelli, LA Beausang, and JE Minton. 2000. Infection of weaned pigs with *Actinobacillus pleuropneumoniae* fails to alter circulating interleukin-1 β , tumor necrosis factor- α , and interferon- γ . J. Anim. Sci. 78 (Suppl. 1):41.
- Ramanathan*, B, KJ Wright, JL Turner, CM Hill, SS Dritz, B Fenwick, JA Carroll, and JE Minton. 1999. A prolonged surge in cortisol is evoked in pigs infected with *Actinobacillus pleuropneumoniae*. J. Anim. Sci. 77 (Suppl.1): 218.
- Turner*, JL, MJ Arns, JE Minton, and JA Pruitt. 1999. Influence of weaning method on foal immune function. J. Anim. Sci. 77 (Suppl. 1): 244.
- Turner*, JL and MJ Arns. 1997. Effect of density gradient composition on in vitro maturation of stallion sperm. Proc. 15th ENPS.
- Cooperative Extension Service publications (peer reviewed)
- Turner, JL and J Hawkes. (In preparation). An informative guide for youth pursuing a career in the equine industry. NMSU Cooperative Extension Service Publication. Guide B-71x.
- Turner, JL and D Martinez. (In preparation). Management practices to improve cost efficiency in hay feeding of horses. NMSU Cooperative Extension Service Publication. Guide B-71x.
- Martinez, D, R Sallenave, and JL Turner. 2017. Documentos Requeridos para el Transporte de Caballos en Nuevo México. NMSU Cooperative Extension Service Publication. Guía de B-708.
- Turner, JL and J Wenzel. 2017 (Revision). Documents required to transport horses in New Mexico. NMSU Cooperative Extension Service Publication. Guide B-708.
- Turner, JL and K Young. 2017 (Revision). Locoweed poisoning of horses. NMSU Cooperative Extension Service Publication. Las Cruces, NM. Guide B-713.
- Turner, JL and P Torres. 2017 (Revision). Oleander poisoning of horses. NMSU Cooperative Extension Service Publication. Las Cruces, NM. Guide B-712.
- Turner, JL and S Barraza. 2017 (Revision). Help your horse handle heat stress. NMSU Cooperative Extension Service Publication. Las Cruces, NM. Guide B-711.
- Turner, JL, K Young, and J LeFevre. 2017 (Revision). Russian knapweed and yellow-star thistle poisoning of horses. NMSU Cooperative Extension Service Publication. Las Cruces, NM. Guide B-710.
- Turner, JL and K Young. 2017 (Revision). Milkweed poisoning of horses. NMSU Cooperative Extension Service Publication. Las Cruces, NM. Guide B-709.
- Turner, JL, BC Sonntag, J Smith. 2016. Kids, Kows, and More--Horse Station Activity Booklet. NMSU Cooperative Extension Service, Las Cruces, NM. Guide 100.B-6A (N-16).

- Allison, CA, JL Turner, and JC Wenzel. 2016 (Major Revision). Poisonous Plants of New Mexico Rangelands. NMSU Cooperative Extension Service Publication. Las Cruces, NM. Circular 678.
- Torres, P, T Dominguez, R Sallenave, and JL Turner. 2016. ¿Estás preparado para ser Dueño de un Caballo? Los Esenciales Básicos para poseer Equinos. NMSU Cooperative Extension Service Publication. Las Cruces, NM. Guía de B-715.
- Torres, P, T Dominguez, R Sallenave, and JL Turner. 2016. Consecuencias Criminales resultante al Abandono y Abuso Equino en Nuevo México. NMSU Cooperative Extension Service Publication. Las Cruces, NM. Guía de B-714.
- Turner, JL. 2015 (Revision). Chapter 5: Feeding Horses. In: 4-H Horse Project Manual #MA1500E. Colorado State University Cooperative Extension Service Publication. Ft. Collins, CO.
- Turner, JL, P Torres, and T Dominguez. 2014. Are You Ready To Own a Horse? Basic Essentials of Equine Ownership. NMSU Cooperative Extension Service Publication. Las Cruces, NM. Guide B-715.
- Turner, JL, P Torres, and T Dominguez. 2014. Criminal Consequences of Equine Neglect and Abuse in New Mexico. NMSU Cooperative Extension Service Publication. Las Cruces, NM. Guide B-714.
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- Burcham, LN and JL Turner. Identify pigs by ear notching. 2011 (Revision). NMSU Cooperative Extension Service Publication. Las Cruces, NM. Guide B-602.
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- Turner, JL. Estimating Body Weight from Measurements. 2011. eXtension Horse Community of Practice. Available at: <http://www.extension.org/pages/12324/estimating-body-weight-from-measurements>.
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- Turner, JL, J Wenzel, and S Wilson. Documents required to transport horses in New Mexico. 2010. NMSU Cooperative Extension Service Publication. Las Cruces, NM. Guide B-708.
- Waggoner, JW and JL Turner. 2010. Evaluation of Equine Hoof Care. NMSU Cooperative Extension Service Publication. Las Cruces, NM. Guide B-707.
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- Turner, JL. 2006. New Mexico 4-H Project Guide: New Mexico 4-H Horse & Horsemanship. NMSU Coop. Ext. Serv. Report. Guide 400.B-4

Cooperative Extension Service Publications/Creative Works (non-peer reviewed)

- Turner, JL. 2017. Traveling Teaching Exhibit, "Kids, Kows, and More Horse Station Curriculum Kit", Status: Work-In-Progress.

- Turner, JL and CS Painter. 2017. Teaching exhibit, curriculum kit for county 4-H agents, "NM 4-H Hippology and Livestock Skillathon Feedstuff Identification Training Kit"
- Richardson, F and JL Turner. 2012 (Revision). New Mexico 4-H Horse Show Rules. NMSU Cooperative Extension Service Publication. Las Cruces, NM.
- Turner, JL and NMSU Horse Judging Team. 2010. NM 4-H Pocket Guide to Horse Judging.
- Richardson, F and JL Turner. August 2008. (Revision). New Mexico 4-H State Conference: Rules for Horse Public Speaking, Hippology, and Horse Bowl. NMSU Cooperative Extension Service. Las Cruces, NM.
- Evans, PA and JL Turner. 2007. Buying Your First Horse. Utah Cooperative Extension Service Fact Sheet.
- Turner, JL. Activities for Members With or Without a Horse. Proc. 2006 NM 4-H Leader's Forum.
- Turner, JL and F Richardson. NM 4-H Horse Show Management. Proc. 2005 NM 4-H Leader's Forum.
- Turner, JL and F Richardson, and F. Hodnett. Update to New Mexico 4-H Horse Show Rules. April 2005.
- Turner, JL and MJ Arns. 1997. Horse Judging Manual II. KSU Extension.

Other (Popular Press and Trade Publications; contributor unless otherwise indicated)

- High Plains Journal. Fueling the working horse. Newspaper article (Scott, K.). July 10, 2017.
- The AQHA Ranch Horse Journal. Lethal Loco. Magazine article (Gugelmeyer, S.). Spring 2017.
- NM Horse Breeder. Saddle Up New Mexico Tour. Magazine article (Cusortelli, M.). Fall 2015.
- The Horse. Storing Toxic Substances in Stables. Magazine article (Smith-Thomas, H.). July 9, 2014.
- NM Horse Breeder (Legislative Session Issue). The Extension Horse Program at New Mexico State University. (Turner, JL). January 2013.
- NM Horse Breeder. NMSU Equine Industry Tour. Magazine article (Cusortelli, M.). July 2012.
- Las Cruces Sun-News. NMSU students explore career opportunities in New Mexico's equine industry. Newspaper article (Moorman, J.). June 3, 2012.
- New Mexico Stockman. Equine Harvest... what we know today. Magazine article (Turner, JL). March 2012.
- NM Horse Breeder. 4-H Youth Project Day at Sunland Park. Magazine article (Cusortelli, M.). March 2012.
- The Equine Chronicle. Rabies in Horses. Magazine article (Smith-Thomas, H.). January 1, 2012.
- NM Horse Breeder. NM Equine Industry Summit 2011. Magazine article (Cusortelli, M.). December 2011.
- De Baca County News. Horse summit planned for Cattle Growers Convention. Newspaper. Nov. 10, 2011.
- High Plains Journal. NMSU students get an up-close look at equine industry. Newspaper article. June 27, 2011.
- The Sunday Albuquerque Journal. Equine education: NMSU students get rare opportunity for first-hand glimpse at career possibilities through tour of state's horse facilities. Newspaper (Moorman, J.). June 26, 2011.
- Las Cruces Sun-News. NMSU students get closer look at state's equine industry. Newspaper (Moorman, J.). June 11, 2011.
- Clovis News Journal. Horse Summit opens lines of communication. Newspaper (Duncan, A.). March 27, 2011.
- Clovis Livestock Market News. Clovis site for equine summit Saturday. Newspaper article. March 25, 2011.
- New Mexico's Hoofprints. Preparing for Foaling Season. Magazine article (Turner, JL). March 2011.
- Saddle Up Nebraska. Preparing Your Horses for Winter. Magazine article (Turner, JL). October 2010.
- Saddle Up Nebraska. Postnatal care: Raising your healthy foal from first day to weaning. Magazine article (Turner, JL). August 2010.
- Saddle Up Nebraska. Minimizing weaning stress in foals. Magazine article (Turner, JL). May 2010.
- Hay & Forage Grower. Horse Hay Market: Right For You? Magazine article. October 20, 2009.
- Ruidoso News. Kids and Horses. Newspaper Article. June 18, 2009.
- Equus Magazine. Foal Care. Magazine article. (Turner, JL). January 2008.
- New Mexico Stockman. HorseQuest. Magazine article. (Turner, JL). September 2007.

New Mexico Stockman. Update on EVA. (Turner, JL). December 2006.
 New Mexico Stockman. Preparing Your Horses for Winter. November 2005.
 New Mexico Stockman. Vaccination Strategies for New Mexico Horses. (Turner, JL). March 2005.
 New Mexico Stockman. Update on West Nile in Horses. (Turner, JL). May 2004.
 New Mexico Stockman. Minimizing weaning stress in Foals. (Turner, JL). September 2003.

Cooperative Extension and Outreach: Major Program Areas

Youth development in equine science

Core Programs

- County Equine Expo Educational Programs (2014 to present).
- NM 4-H Horse Project Field Trip.
- NM State Fair 4-H Horse Show.
- NM State 4-H Conference, horse subject matter contests.
- NM State FFA Horse Judging Contest.
- NM Youth Horse Judging Clinic.

Recent presentations representative of this program area (*indicates invited at national meetings)

*American Youth Horse Council Symposium. Wakefield, MA. April 21-23, 2017. So, you want to be a _____.
 How do you plan to get there?

Fairacres Elementary School Ag Day. April 7, 2017. Fundamentals of halter horse judging.

Northern Rio Grande Equine Expo. Taos. June 11, 2016. Overview of Hippology Contest.

NMSU Youth Horse Judging Camp. Las Cruces. June 7, 2016. Key Points for Judging Western Riding.

*Western Region 4-H Leaders Forum, Fairbanks, AK. March 3, 2016. Innovative Teaching and Training for 4-H Animal Science.

NM State 4-H Horse School, Albuquerque. June 2013. Nutritional role of Certain Feeds in Equine Diets.

NM Youth Ranch Management Camp. June 5, 2012. Horses on the Ranch: Another revenue stream?

Lea County 4-H Horse School, Lovington. June 1, 2010. Basic Nutrition for the 4-H Project Horse.

*Western Region 4-H Leaders Forum, Albuquerque. March 12, 2010. A Horse is a Horse: Technology in Teaching.

Equine owner education

Core Programs

- County Equine Expo (2014 to present).
- NM Cooperative Extension Service Outreach Booth at NM Horse Breeders Convention (2016, 2017)
- NM Horse Council Information Booth at the Joint Stockmen's Convention.
- NM Horse Council Equine Industry Outreach Booth at the NM State Fair.
- Ranch Horse Exhibition & Instruction in New Mexico (RHEINM) Program, (2006-2008).
- eXtension Horse Community of Practice (2005-2009).
- Extension Horse Program newsletter and CES publications.
- Dr. Turner routinely makes presentations to horse owner groups at the request of county agents on topics concerning equine nutrition and management, and he judges youth, open, and breed association-sanctioned horse shows in New Mexico and other states. In conjunction with County Extension Agents, Dr. Turner has made several "farm visits" to equine operations to aid agents in facilitating solutions for various problems encountered by farm managers.

Recent presentations representative of this program area (*indicates invited at national meetings)

*American Youth Horse Council Symposium. Wakefield, MA. April 21-23, 2017. You Want Me to Do What? Helpful Hints, Tools & Tips for the Volunteer Horse Show Manager.

Southwest Indian Livestock Days. Albuquerque. May 12, 2016. Routine health care practices demonstration.

Northern NM Livestock Day. Santa Fe. April 1, 2016. Horse Health Care.

NM Ag Expo. Portales. March 19, 2016. Building an Equine First Aid Kit.

*Western Region 4-H Leaders Forum, Fairbanks, AK. March 3, 2016. Horse Volunteers: A Special Breed.

Rio Chama Equine Expo. Abiquiu. August 29, 2015. Deworming strategies for horses.

*American Youth Horse Council Symposium. Redmond, OR. March 27-29, 2015. The Scoop: An Update on Equine Supplements and Nutraceuticals.

Corona Half-Day of College. July 17, 2013. Equine Issues and Resources in New Mexico.

Socorro County Horse Owner Workshop. July 2, 2013. Stretching Your Horse Hay Supply.

Horse Management and Care Seminar. Santo Domingo and Jemez Pueblos, June 27, 2011. Horse nutrition and small pasture management.

Valencia County Forage Workshop, Los Lunas. July 30, 2010. Forages for Horses.

Navajo Nation Equine Expo, Window Rock, AZ. May 14, 2010. "Horses: The Original Value Added Product" and "Basic Horse Nutrition & The Feed Tag".

Southwest Indian Livestock Days, Albuquerque. May 11, 2010. Equine Marketing.

Horse Nutrition & Pasture Management Program, Roswell. March 18, 2010. "Matching Hay Quality to Your Horse Operation" and "Steps in Developing a Least-Cost Feeding Program for Horses"

Service**Profession****Professional Societies**

- Equine Science Society (Board of Directors, 2009-2015). Dr. Turner contributed to the oversight and direction of the decision making process for the society which is the primary organization for equine researchers, teachers, and extension specialists. The board is also involved with communicating policy positions for the society as it relates to the equine science community.
- Equine Science Society Symposium Arrangement Committee (Chair, 2011-2013). Dr. Turner led the efforts of the NMSU host committee in making arrangements for the 2013 event held in Ruidoso, NM.
- Equine Science Society Graduate Student Competition Committee (Chair, 2009; Member, 2007, 2009, 2011, 2015). Dr. Turner coordinated the efforts of colleagues to review abstracts for acceptance in the competition at the biannual symposium as well as obtaining judges for the five divisions of the international competition to score manuscripts and oral presentations.
- National Horse Judging Team Coaches Association. (Board of Directors, 2008-2010). Dr. Turner represented other collegiate horse judging team coaches in matters of policy and contestant eligibility for the association.
- American Society of Animal Science Horse Symposium Planning Committee (Chair, 2008; 2018). Dr. Turner led the committee efforts to plan and conduct the Centennial (2008) theme program for the society. This required him to recruit and organize the efforts of symposia speakers, abstract reviewers, and committee members. He also served as moderator of the 2016 and 2017 international symposium. He is currently serving as Chair of the committee.
- Ad hoc review of journal articles, curriculum, grant proposals, etc.

Cooperative Extension Service & Youth Development

- Western National 4-H Roundup Horse Classic Management Committee (Member, 2004-2012; Chair of the Event, 2008-2009). Coordinated overall event by: overseeing management of contest volunteers, judges, and participants; communicating with award sponsors; resolved rule infractions and rulings on eligibility.
- Official judge or reason taker at many national youth horse and livestock judging contests (1997-2006).

Institution

Extension Animal Sciences & Natural Resources Department

- Departmental Promotion & Tenure Committee (2011-present, Chair 2014-present). Member to review credentials of and advise candidates applying for promotion to associate or full professor.

Animal & Range Sciences Department (Academic & Research)

- NMSU Animal & Range Sciences Scholarship Committee (appointed 2004; Chair 2005-2010). Dr. Turner led the committee's efforts and conducted the process for selecting annual scholarship recipients. He also updated and revised the departmental scholarship listings, information, and stream-lined the award process.
- NMSU Animal & Range Sciences Undergraduate Curriculum Committee (appointed 2002; Chair 2004-2009). Dr. Turner coordinated the efforts of committee members and departmental faculty for review and approval of course and curriculum changes to departmental degree programs.
- Co-chair, NMSU Cattle and Horse Sale (2003-2008). Responsibilities included: annually select the sale offering, research pedigrees, write and layout the horse section of the sale catalog, serve as sale announcer, and visit with prospective buyers, and coordinate many of the efforts in preparing the farm, farm staff, and students to conduct sale day activities.

College

- ACES Promotion & Tenure Committee (2013-2015). Member to review credentials of candidates applying for promotion and tenure, or promotion to full professor.
- NM Extension Specialists Association. As President (2011-2012), Dr. Turner represented the interests of fellow CES specialists at the monthly Extension Director's Advisory Committee meeting. He was diligent in seeking input from the membership and relaying to, in a timely manner, the membership the information provided by the Director in those meetings. He also has worked with fellow officers and members to conduct the meetings and routine business of the Association.
- 4-H Curriculum Review Committee (Member, 2004-13). In addition to reviewing animal science curriculum, Dr. Turner worked with agent members of the committee to revise the NM 4-H Horse Project materials provided by the State 4-H Office.

University

- NMSU Faculty Senate. (Member, 2005-06, 2015-18). ACES Senator representing Cooperative Extension. Appointed as the NMSU Faculty Senate Liaison to the NMSU Office of Governmental Relations in September 2016. Member of the Faculty Affairs Committee tasked with revising promotion and tenure guidelines (2015-present).
- NMSU Graduate Faculty Council (Member, 2012-2015). Elected by faculty to represent doctoral degree granting departments within the university. Member of NMSU Graduate School Faculty since 2003.
- NMSU Graduate Research & Arts Symposium, Las Cruces, March 3, 2010. Official judge for presentations by graduate students in creative arts, mathematics, and science.

Industry

- NM Horse Council (Board of Directors, 2010-2015). As a member of the Board of Directors, Dr. Turner was required to attend a meeting in Albuquerque on the first Monday of every month. The Council is a volunteer group that seeks to promote the best interests of the equine industry in NM.
- NM Horse Council Foundation (Board of Directors, 2011-2016). Dr. Turner works with other members of the foundation board to determine how to expend foundation funds in support of educational programs and to select recipients of the foundation's annual scholarship.

Funding

During his time at NMSU, Dr. Turner has worked with the University and College Development officers to meet with prospective donors to discuss the horse program and potential funding opportunities. This has led to

the development of PowerPoint presentations, talking point fliers, and other promotional materials. Some example fundraising programs that have generated monetary, as well as in-kind, support include:

- Conduct of the annual NMSU Horse Sale and recognition of “top hand” students with endowed gifts.
- Over \$200,000 in donations of livestock, services, and feed/vaccines from industry partners.
- Donations of gifts, subscriptions, and access to databases for use in classroom teaching exercises.
- Conduct of a benefit stallion service auction that raised over \$10,000 in funds and gifts-in-kind.

USDA Animal Health Formula Funds awarded through proposal submissions to the NM Ag Experiment Station

2015-16: \$7,000 2013-2014: \$7,000 2010-2011: \$7,479 2009-2010: \$7,731

Grants/Gifts-in-kind

- Turner, J, S Stanbrough, M Montañez, M Turner, and J Hawkes. 2017. Judging Opportunities Unify Recruitment and Retention of New Mexico Youth (JOURRNY). Collaborative effort between NMSU-ACES and Mesalands Community College. \$993,720 (Internal limited submission proposal; not selected for final submission to USDA NIFA Hispanic Serving Institution Funding Program. Plan to re-submit in 2018).
- Turner, JL. 2016-2018. Preliminary investigation of dietary additives to inhibit reproduction in feral horses on New Mexico rangelands. \$20,000. (Funded; Internal NMSU sub-award from USDA Rangeland Resource Education Act Funds).
- Turner, JL and CP Painter. 2016. NM 4-H Hippology and Livestock Skillathon Feedstuff Identification Training Kit. Product support from Hi-Pro Feeds, \$1000.
- Turner, JL, AF Davis, and S Komadina. 2015 Saddle Up New Mexico Legislator Education Tour of New Mexico Equine Industry. \$12,000 in funds and gifts-in-kind from the industry.
- Turner, JL. 2013 New Mexico Equine Industry Summit. \$5,000 in sponsorships from industry and agencies.
- Turner, JL. December 2011 New Mexico Equine Industry Summit. \$4,000 in sponsorships from industry.
- Turner, JL. March 2011 New Mexico Equine Industry Summit. \$3,500 in sponsorships and gifts-in-kind from industry and state agencies.
- Gutierrez, P. and JL Turner. 2011. Equine Risk Management Education and Decision Tools. Western Center 2012 Extension Risk Management Education Grants Program. \$36,000 (pre-proposal only; not invited for full submission).
- Turner, J, M Encinias, M Turner, S Serna, and C Allison. 2011. Connecting New Mexico youth with their agricultural heritage and future careers in the agriculture industry. NMSU Provost Office—IDEA Grants. \$16,966. (Not funded).
- Turner, J, M Marsalis, F Contreras-Govea, L Lauriault, T Dominguez, and W Hamilton. 2010. Training Agricultural Professionals on Sustainable Forage Management Systems in New Mexico. Western SARE Professional Development Program. \$44,090. (Not funded).
- Turner, JL, LM Lauriault, CA Löest, and S Soto-Navarro. 2009. The feeding value of teff hay as compared to traditional hays fed to horses and cattle. Submitted to Producer's Choice Seed. \$23,680. (Not funded).
- Turner, J, M Marsalis, F Contreras-Govea, L Lauriault, T Dominguez, and W Hamilton. 2009. Training Agricultural Professionals on Sustainable Forage Management Systems in New Mexico. Western SARE Professional Development Program. \$57,070. (Not funded).
- Turner, JL, CA Löest, and SM Malesky. 2009. Nitrogen retention and plasma amino acid responses in mature Quarter Horse geldings fed three levels of dietary lysine. Product support from Hi-Pro Feeds. \$1,546.
- Turner, J.L. 2007. Portable Media Format Judging Resources for NM Youth Horse Leaders. \$1,500 (Funded; American Youth Horse Council).
- Priest, JR and JL Turner. 2006. AQHA International Horsemanship Clinics. (Industry, \$13,800; funded)
- Turner, JL. 2006. Undergraduate Research Initiative Grant. (NMSU, \$2,500; funded)
- Turner, JL and CA Löest. 2006. Effect of dietary capsaicin on immune function and health of horses. (Industry, \$14,790; funded)

- Turner, JL. 2005. West Nile virus antibody titers and total immunoglobulin G in foals from mares vaccinated in late gestation. (Industry, \$3,500; funded).
- Turner, JL and CA Löest. 2003. Evaluation of the effects of Farrier's Formula nutritional supplements on various measures of equine growth and performance. (Industry, \$85,311; not funded)
- Samper, JC, P Chenoweth, KG Hankins, and JL Turner. 2001. Predictability of ovulations at a fixed time in mares treated with Ovuplant. (Industry, \$30,000; not funded).
- Minton, JE, SS Dritz, RG Main, and JL Turner. 2000. Influence of dietary mannanoligosaccharides on growth performance and immune function of nursery pigs. (Industry, \$20,000; not funded).
- Turner, JL and MJ Arns. 1999. Optical density of pre-foaling mammary secretions is a reliable predictor of foaling time in mares. (Industry, \$5,000; funded).
- Turner, JL and MJ Arns. 1998. Comparison of growth parameters and feed efficiency of yearling stallions fed two commercially available pelleted rations. (Industry, \$3,500; funded).

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