

## CURRICULUM VITAE

### NAME

Grandin, Temple

### ADDRESS

Animal Sciences  
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### PHONE

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### EDUCATION

1989 Ph D, University of Illinois

1975 MS, Arizona State University

1970 Franklin Pierce College

### PUBLISHED WORKS

#### **Books**

Grandin, T., Panek, R. (2013). *The Autistic Brain : Thinking Across the Spectrum* (1st ed., vol. 1, pp. 256). New York, NY: Houghton Mifflin Harcourt.

#### **Refereed Journal Articles**

Franks, M. K., Grandin, T. (2015). A high percentage of beef bull pictures in semen catalogues have feet and lower legs that are not visible. *Animals*, 5(3), 536-544. doi:10.3390/ani50303.70

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Grandin, T., Shivley, C. (2015). How farm animals react and perceive stressful situations such as handling, restraint, and transport. *Animals*, 5(4), 1233-1251. doi:10.3390/ani5040409

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Adams, A. E., Olea-Popelka, F. J., Grandin, T., Woerner, D. R., Roman-Muniz, I. N. Dairy cow handling facilities and perception of beef quality assurance on colorado dairies. *Journal of Dairy Science*, 97, 798-804. www.grandin.com

King, C., Buffington, L., Smith, T. J., Grandin, T. (2014). The effect of a pressure wrap (Thunder Shirt) on heart rate and behavior in canines diagnosed with anxiety disorder. *Journal of Veterinary Behaviour*, 9, 215-221. www.grandin.com

Fraser, D., Duncan, I. J., Edwards, S. A., Grandin, T., Gregory, N. G., Guyonnet, V., Hensworth, P. H., Huertas, S. M., Huzzey, J. M., Mellor, D. J., Mench, J. A., Spinka, M., Whay, H. R. (2013). General principles from

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### **Refereed Chapters in Books**

- Grandin, T. (2015). An introduction to implementing an effective animal welfare program. In CABI (Ed.), *Book chapter in Improving Animal Welfare: A Practical Approach, 2nd Edition* (vol. 2, pp. 1-14). Wallingford Oxfordshire: CABI. [www.grandin.com](http://www.grandin.com)
- Grandin, T. (2015). Preslaughter handling, welfare of animals and meat quality. In Prybylski, W and Hopkins, D. (Ed.), *Meat Quality - Genetics and Environmental Factors* (pp. 175-198). Boca Raton FL: Meat Quality - Genetic and Environmental Factors.
- Grandin, T. (2013). Chapter 1. Behavioral Genetics and Animal Science. In Temple Grandin and Mark Deesing (Ed.), *Genetics and the Behavior of Domestic Animals, 2nd Edition* (2nd ed., pp. 1-40). Academic Press, Elsevier.

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- Grandin, T. (2013). Chapter 4. Genetics and Behavior during Handling, Restraint and Herding. In Temple Grandin and Mark Deesing (Ed.), *Genetics and the Behavior of Domestic Animals, 2nd Edition* (2nd ed., pp. 115-158). Academic Press, Elsevier.
- Grandin, T. (2013). Chapter 7. Genetic Effects on Horse Behavior. In Temple Grandin and Mark Deesing (Ed.), *Genetics and the Behavior of Domestic Animals, 2nd Edition* (2nd ed.). Academic Press, Elsevier.
- Grandin, T. (2013). Humane Treatment of Livestock. In J. Peter Clark, Christopher Ritson (Ed.), *Practical Ethics for Food Professionals: Ethics in Research, Education and the Workplace* (pp. 101-116). New York, NY: Wiley-Blackwell.

### **Non-Refereed Journal Articles**

- Adams, A. K., Olea-Popelka, F. J., Grandin, T., Woerner, D. R., Roman-Muniz, I. N. (2014). Dairy cow handling facilities and the perception of Beef Quality Assurance on Colorado dairies. *Journal of dairy science*, 97(2), 798-804.
- Dewell, G. A., Simpson, C. A., Dewell, R. D., Hyatt, D. R., Belk, K. E., Scanga, J. A., Morley, P. S., Grandin, T., Smith, G. C., Dargatz, D. A., Wagner, B. A., Salman, M. D. (2008). Risk associated with transportation and lairage on hide contamination with *Salmonella enterica* in finished beef cattle at slaughter. *Journal of food protection*, 71(11), 2228-32.
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### **Non-Refereed Chapters in Books**

- Grandin, T. (2015). How to improve livestock handling and reduce stress. In CABI (Ed.), *Improving Animal Welfare: A Practical Approach, 2nd Edition* (2nd ed., pp. 69-95). Wallingford, Oxfordshire: CABI. [www.grandin.com](http://www.grandin.com)
- Grandin, T. (2015). Implementing effective standards and scoring systems for assessing animal welfare on farms and slaughter plants. In CABI (Ed.), *Improving Animal Welfare: A Practical Approach, 2nd Edition* (2nd ed., pp. 46-49). Wallingford, Oxfordshire: CABI. [www.grandin.com](http://www.grandin.com)
- Grandin, T. (2015). Improving livestock, poultry and fish welfare in slaughter plants with auditing programs. In CABI (Ed.), *Improving Animal Welfare: A Practical Approach, 2nd Edition* (2nd ed., pp. 164-193). Wallingford, Oxfordshire: CABI. [www.grandin.com](http://www.grandin.com)
- Grandin, T. (2015). The effect of economic factors on the welfare of livestock and poultry. In CABI (Ed.), *Improving Animal Welfare: A Practical Approach, 2nd Edition* (2nd ed., pp. 278-290). Wallingford, Oxfordshire: CABI. [www.grandin.com](http://www.grandin.com)

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- Grandin, T. (2014). Improving welfare and reducing stress on animals in slaughter. In CABI (Ed.), *Livestock Handling and Transport* (4th ed., pp. 421-450). CABI. [www.grandin.com](http://www.grandin.com)

### **Non-Refereed Proceedings or Transactions**

- Grandin, T. (2015). *The importance of stockmanship to reduce stress during cattle handling*. Ruidoso New Mexico: Proceedings Western Section of Animal Science. [www.grandin.com](http://www.grandin.com)
- (2012). *Horse behavior principles for safer handling* (pp. 20-21). Equine Veterinarian, January/February.
- (2012). *Improving Public Communication* (pp. 76). Meat and Poultry, October.
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- (2012). *On-farm Handling* (pp. 100). Meat and Poultry, April.
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- (2011). *Agriculture must communicate with the public* (pp. 113). The Showtimes Junior Livestock Magazine.
- (2011). *Analysis of the cash euthanizer system in commercial production settings* (pp. 107). 5th International Conference on the Assessment of Animal Welfare at Farm and Group Level, WAFL, University of Guelph, Guelph, Ontario, Canada, August 8-11, 2011.
- (2011). *Defining "egregious" directives provide inspectors with needed guidance* (pp. 19). Meat and Poultry September.
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- (2011). *Repeatability of subjective and objective measures of exit velocity as an indicator of temperament in feedlot cattle*. J Anim Sci (Suppl 1)(Abstract 460).
- (2011). *Slaughter without stunning* (pp. 86). Meat and Poultry, October.
- (2011). *The care and welfare of horses destined for slaughter recommended handling guidelines and welfare assessment tool for horses* (pp. 99). 5th International conference on the Assessment of Animal Welfare at Farm and Group Level EAFL, University of Guelph, Guelph, Ontario, Canada.
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- (2010). *Assessment and auditing of cattle pig, sheep, poultry welfare at slaughter plants*. Sci topics Research Summaries by Experts Published by Elsevier Science Direct (Electronic Publication).
- (2010). *Calculated Response*. Meat and Poultry, August.
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- (2010). *Maintaining Auditing Credibility*. Meat and Poultry, December.
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## **Abstract**

- Grandin, T., Woiwode, R. H., Kirch, B., Patterson, J. (2015). *Effects of handling before and during processing on behavior and ADG of feedlot steers* (53rd ed., vol. 93). Journal of Animal Science. [www.grandin.com](http://www.grandin.com)
- Woiwode, R., Grandin, T. (2014). *Beef Cattle Welfare Symposium*. Iowa: Iowa State University. [www.grandin.com](http://www.grandin.com)
- Woiwode, R., Grandin, T., Kirch, B. H. *Beef Quality Assurance: Cattle Handling in the Feedlot*. JBS/CSU Annual Symposium.
- Woiwode, R., Grandin, T., Kirch, B. H. (2014). *Beef Quality Assurance: Handling of feedlot cattle*. Ames IA: 4th International Cattle Welfare Symposium.
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Woiwode, R., Grandin, T., Birch, B. (2014). *Handling of Feedlot Cattle*. Beef Quality Assurance. www.grandin.com

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### **Article in Popular or Trade Magazine**

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Woiwode, R., Grandin, T. (2014). *Steady Progress* (pp. 42-44). Beef Magazine. www.grandin.com

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Grandin, T. (2014). *Applying proper restraint* (vol. January, pp. 72). Meat and Poultry Magazine. www.grandin.com

### **Book Review**

(2012). *Avoid being abstract when making policies on the welfare of animals* (pp. 195-217). Marianne DeKoen and Michael Lundblad, editors Species Matters Columbia University Press, New York, NY.

(2011). *Avoid being abstract when making policies on the welfare of animals* (pp. 195-217). Species Matters, Columbia University Press, New York- Marianne Dekoven and Michael Lundblad (Editors) (ISBN 978-231-15289-9).

(2010). *The role animals can play with individuals with autism*. Animals in our Lives, Pau Brooks Publishing, Baltimore, MD. Peggy McCurdle, et al. (editors).

### **Magazine/Trade Publication**

Grandin, T. (2015). Studying stunning. *Meat and Poultry magazine* (11th ed., pp. 78). Meat and Poultry Magazine.

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- Grandin, T. (2013). *Stunning evidence* (pp. 74). Meat and Poultry Magazine.  
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- Grandin, T. (2013). *Driven to excellence* (pp. 84). Meat and Poultry Magazine.  
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#### **PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS**

- October 2015, "Lecturer and instruction in beef and pork packing plants on welfare auditing, stunning , and handling", PAACO - Professional Animal Auditor Certification Organization, PAACO, (Presenter) Grandin, T.
- October 26, 2015, "Talk on cattle handling", Texas Brahman Breeders Association and University of Texas, Texas Brahman Breeders Association and University of Texas, (Presenter) Grandin, T.
- October 15, 2015, "Talks on cattle handling and stunning", North American Meat Association - Animal Handling Conference, NAMA, (Presenter) Grandin, T.
- September 27, 2015, "Lectures on cattle handling and humane slaughter", Southwest Veterinary Symposium, SW

Veterinarians, (Presenter) Grandin, T.

September 24, 2015, "talk on Cattle Handling", University of Florida Vet College, University of Florida Vet College, (Presenter) Grandin, T.

September 13, 2015, "Talk on cattle handling", Colby College, Colby College, (Presenter) Grandin, T.

August 28, 2015, "Talk on animal welfare and consumer issues", Farm and Food Cares, Farm and Food Cares organization, (Presenter) Grandin, T.

August 20, 2015, "Consumer Issues", Food Marketing Institute - Sustainability Summit, Food Marketing Institute, (Presenter) Grandin, T.

August 18, 2015, "Talk on cattle handling", Nebraska Beef Scholars Studente Group, CSU, (Presenter) Grandin, T.

August 8, 2015, "Talk on animal welfare issues", Farm-to-Table International, Farm-to-Table Organization, (Presenter) Grandin, T.

August 7, 2015, "Talk on animal welfare issues", Colorado Agricultural Leadership Conference, Colorado Ag, (Presenter) Grandin, T.

July 27, 2015, "Talk on cattle handling", Carbondale County Cattlemen meeting, Cattlemen Association, (Presenter) Grandin, T.

July 27, 2015, "Cattle handling", Junior Hereford Association, ARDEC and Junior Hereford Association, (Presenter) Grandin, T.

July 27, 2015, "Cattle handlig", South Dakota University Rancher Tour, SDSU, (Presenter) Grandin, T.

June 30, 2015, "Talks on animal behavior and cattle handling", University of Buenos Aires, University of Buenos Aires Vet College, (Presenter) Grandin, T.

June 10, 2015, "Talk on animal welfare and animal handling", Ontario Dept. of Ag, Ontario Dept of Ag, (Presenter) Grandin, T.

June 6, 2015, "Talk on humane slaughter", Slow Meat Conference, Slow Meat Group, (Presenter) Grandin, T.

June 2, 2015, "Cattle Handling Demonstration - Two separate events", Curt Pate, Curt Pate, (Presenter) Grandin, T.

May 18, 2015, "Talk on reducing stress in animals", American Association of Veterinary Pharmacology, American Association of Veterinary Pharmacology, (Presenter) Grandin, T.

April 30, 2015, "Talk on Cattle Welfare", Dairy and Beef Well Being Conference, Dairy Council, (Presenter) Grandin, T.

April 2015, "cattle handling", Brescia University, Brescia University, (Presenter) Grandin, T.

April 24, 2015, "Animal behavior and welfare", Stone Barn, Stone Barn, (Presenter) Grandin, T.

April 11, 2015, "Talk on animal behavior", New York Veterinary Technology Conference, State University of New York, (Presenter) Grandin, T.

April 2, 2015, "Talk on animal behavior and autism", Butte College, Butte College, (Presenter) Grandin, T.

March 28, 2015, "Talk on livestock handling", Southeastern Sustainability Conference, Southeastern Sustainability Group, (Presenter) Grandin, T.

March 22, 2015, "Talk on animal behavior and animal handling", University of Saskatchewan, University of Saskatchewan, (Presenter) Grandin, T.

March 20, 2015, "Talk on animal behavior a", Student American Vet Med Assoc, Student American Vet Med Assoc, (Presenter) Grandin, T.

February 13, 2015, "Talk on cattle handling", Farm Show, Farm Show, (Presenter) Grandin, T.

February 2, 2015, "Talking on solving problems using different approaches", Society for Range Management, Range Management, (Presenter) Grandin, T.

January 2015, "Autism talks for parents, teachers and professionals", Autism groups, Autism groups, (Presenter) Grandin, T.

January 30, 2015, "Cattle handling", Winter Cattle School, Winter cattle school, (Presenter) Grandin, T.

January 17, 2015, "Cattle Handling", Seedstock Club at the National Western Stock Show, National Western, (Presenter) Grandin, T.

January 13, 2015, "Improving the transparency of livestock", Animal Science Department Industry Day, CSU, (Presenter) Grandin, T.

January 12, 2015, "Cattle Handling", American Forage and Grassland Council, American Forage and Grassland Council, (Presenter) Grandin, T.

2014, "Developing measures to audit welfare of cattle and pigs", Webinar, American Meat Science Association, (Presenter) Grandin, T., Webinar.

December 10, 2014, "Cattle Handling", Four State Cattle Conference, Four State Cattle Conference, (Presenter) Grandin, T., Texarkana TX.

December 4, 2014, "Animal Handling", Virginia Tech, Virginia Tech, (Presenter) Grandin, T., Blacksburg VA.

November 2014, "Talk in Different Kind of Minds", Corning Glass Corporation, Corning, (Presenter) Grandin, T., Corning New York.

November 26, 2014, "Animal Handling", UADY University, UADY University, (Presenter) Grandin, T., Meridia Mexico.

November 11, 2014, "Talk in Different Kinds of Minds", Georgia State University, Georgia State University, (Presenter) Grandin, T., Atlanta GA.

November 8, 2014, "Talk on Different Kinds of Minds", Net Impact Conference, Minneapolis Business Students, (Presenter) Grandin, T., Minneapolis.

November 7, 2014, "Cattle handling, humane slaughter, animal welfare", Illinois Veterinary Medical Association, Illinois VMA, (Presenter) Grandin, T., Chicago IL.

November 3, 2014, "Stunning and Humane Slaughter", AVMA Humane Endings Conference, AVMA, (Presenter) Grandin, T., Unknown.

October 28, 2014, "Humane Slaughter", European Union Hessian Parliament, European Union Hessian Parliament, (Presenter) Grandin, T., Brussels, Belgium.

October 21, 2014, "Animal Welfare", Purdue University, Purdue University, (Presenter) Grandin, T., Purdue University West Lafayette IN.

October 16, 2014, "Cattle handling, stunning pigs, stunning cattle", American Meat Institute Welfare Conference, AMI, (Presenter) Grandin, T., Kansas City KS.

October 14, 2014, "Animal Welfare and Cattle Handling", Students and Ranchers, Silencer Squeeze Chute Company, (Presenter) Grandin, T., Brazil.

October 6, 2014, "Reducing stress during animal handling", American Veterinary Medical Association, American Veterinary Medical Association, (Presenter) Grandin, T., Unknown.

October 2, 2014, "Cattle Handling", Interstate Veterinary Association, Interstate Veterinary Association, (Presenter) Grandin, T., Sioux City IA.

September 28, 2014, "Animal Welfare", Douglas College, Douglas College, (Presenter) Grandin, T., Vancouver BC.

September 27, 2014, "Animal Welfare and Cattle Handling", Washington Vet Med Association, Washington Vet Med Association, Yakima WA.

September 25, 2014, "Animal Welfare", University of Wisconsin, University of Wisconsin, (Presenter) Grandin, T., River Falls WI.

September 19, 2014, "Animal Welfare", Colorado Veterinary Association, Colorado Veterinary Association, (Presenter) Grandin, T., Loveland CO.

September 18, 2014, "Animal Behavior", International Assistance Dogs, International Assistance Dogs, (Presenter) Grandin, T., Denver CO.

September 11, 2014, "Animal Behavior", University of San Diego, University of San Diego, (Presenter) Grandin, T., San Diego CA.

August 28, 2014, "Different Ways of Thinking", Athens State College, Athens State College, (Presenter) Grandin, T., Huntsville Alabama.

August 7, 2014, "Animal Welfare", University of Arkansas Welfare Symposium, University of Arkansas, (Presenter) Grandin, T., University of Arkansas.

August 3, 2014, "Cattle Behavior and Welfare", Georgia Cattlemen's Association, Georgia Cattlemen's Association, (Presenter) Grandin, T., Georgia.

July 30, 2014, "Animal Welfare and Humane Slaughter", McDonald's Corporation instructor for Suppliers, McDonald's Corporation, (Presenter) Grandin, T., Munich Germany.

July 26, 2014, "Reducing stress during handling of animals", AVMA Annual Conference, AVMA, (Presenter) Grandin, T., Denver, Colorado.

July 17, 2014, "Animal Welfare", Beef Cattle Welfare Symposium, Iowa State University, (Presenter) Grandin, T., Ames Iowa.

July 7, 2014, "Cattle Handling", EBLEX Beef Association, EBLEX, (Presenter) Grandin, T., England.

June 27, 2014, "Cattle Handling", River Livestock Association with Curt Pate, River Livestock Association, (Presenter) Grandin, T., Montana.

June 24, 2014, "Animal Welfare, Humane Slaughter", PAACO Animal Auditor Training, PAACO, (Presenter) Grandin, T., Fremont and Schyler Nebraska.

June 17, 2014, "Animal Welfare", IMI Global, IMI Global, (Presenter) Grandin, T., ARDEC Fort Collins CO.

June 2, 2014, "Beef and pig welfare and humane slaughter", McDonalds Corporation Suppliers, McDonalds Corporation, (Presenter) Grandin, T., China.

May 28, 2014, "Animal Welfare", McDonalds Corporation, McDonalds Corporation, (Presenter) Grandin, T., Illinois.

May 13, 2014, "Animal Welfare, Humane Slaughter", PAACO Animal Auditor Training, PAACO, (Presenter) Grandin, T., Omaha, Fremont, Grand Island Nebraska.

May 5, 2014, "Animal Welfare and Cattle Handling", Students and Ranchers, Silencer Squeeze Chute Company, (Presenter) Grandin, T., Brazil.

May 2, 2014, "Animal Welfare", SPCA, SPCA, (Presenter) Grandin, T., Harrisburg PA.

April 21, 2014, "Livestock Handling", Casper College, Casper College, (Presenter) Grandin, T., Casper Wyoming.

April 18, 2014, "Animal Behavior and Autism", 4-H, 4-H, (Presenter) Grandin, T., Brighton CO.

March 26, 2014, "Talk on Different Kinds of Minds", Harvard University, Harvard University, (Presenter) Grandin, T., Cambridge MA.

March 22, 2014, "Cattle Behavior and Welfare", CSU Bull Sale, CSU, (Presenter) Grandin, T., ARDEC Fort Collins CO.

March 21, 2014, "Animal Handling", SAVMA - Student American Veterinary Medical Association, SAVMA, (Presenter) Grandin, T., Loveland CO.

March 10, 2014, "Applied Animal Behavior Systems, Intro Animal Agriculture, Ethical Issues in Animal Agriculture", Michigan State University, Michigan State University, (Presenter) Grandin, T., East Lansing Michigan.

March 6, 2014, "Talk on Different Kinds of Minds", University of Manchester - Innovation, University of Manchester, (Presenter) Grandin, T., Fort Wayne IN.

February 25, 2014, "Animal Welfare", Culinary Institute of America, Culinary Institute of America, (Presenter) Grandin, T., New York.

February 18, 2014, "Beef Production and Meat Science Class", Texas Tech University, Texas Tech University, (Presenter) Grandin, T., Lubbock TX.

January 23, 2014, "Cattle Handling", Eco Farm Conference, Eco Farm, (Presenter) Grandin, T., Pacific Grove CA.

January 17, 2014, "Cattle Handling and animal welfare", New York Beef Association, (Presenter) Grandin, T., Syracuse New York.

January 9, 2014, "Talks on Different Kinds of Minds", Jet Propulsion Lab, Jet Propulsion Lab, (Presenter) Grandin, T., Pasadena CA.

December 3, 2013, "Animal Behavior", Dalhousie Agricultural Campus, Nova Scotia Dalhousie, Nova Scotia, Canada.

November 27, 2013, "Cattle handling and animal welfare", University of Chile and Southern Chile, University of Chile and Souther Chile, Chile.

November 6, 2013, "Animal Behavior", McGill University, McGill University, (Presenter) Grandin, T., Montreal, Canada, peer-reviewed/refereed.

October 30, 2013, "Animal Behavior and Welfare", University of Calgary Vet College, University of Calgary Vet College, Calgary, Alberta, Canada.

October 23, 2013, "Lecture and cattle handling demonstration", Australian Lot Feeders Association, Australian Lot Feeders Association, Kerwee Feedlot, Jondagan, Queensland, Australia.

October 16, 2013, "Three lectures on animal handling and stunning", American Meat Institute - Animal Care Conference, American Meat Institute, Kansas City KS.

October 12, 2013, "Animal Handling and Behavior", Pork Conference, CSU - Brett Kaysen, CSU Stock Pavilion.

October 2, 2013, "Livestock Handling", Delaware Valley College, Delaware Valley College, (Presenter) Grandin, T., Doylestown PA.

September 28, 2013, "Anima Behavior", New England Vet Association, New England Vet Association, Portland, ME.

September 16, 2013, "Animal Behavior", Affymetrix Genetics Corporation, Affymetric Genetics Corporation, Santa Clara, California.

August 20, 2013, "Cattle Handling", Abbotsford BC, Abbotsford BC, British Columbia, Canada.

August 19, 2013, "Lecture and Tour on cattle handling", ARDEC - Ranchers from Argentina, ARDEC-CSU - for Ranchers from Argentina, ARDEC, Fort Collins CO.

August 17, 2013, "Animal Behavior", Alpaca Meeting, Alpaca Organizaiton, (Presenter) Grandin, T., Estes Park CO.

August 9, 2013, "Cattle handling", Therogenology Conference, Therogenology Conference, NA.

August 7, 2013, "Animal Handling and Behavior", NCBA, NCBA Technologies, Denver CO.

August 5, 2013, "Cattle Handling", Michigan State Extension and Merck, MSU, Michigan.

July 24, 2013, "Cattle Handling", Dodge City Community College, Dodge City Community College, Dodge City KS.

July 23, 2013, "Cattle Meeting", Jeff Goodwin, Jeff Goodwin, (Presenter) Grandin, T., Dallas TX.

July 21, 2013, "Cattle Feeding Quality", Feedlot Magazine - Cattle Feeding Quality Forum, Feedlot Magazine, Garden City KS.



July 11, 2013, "Animal Welfare Issues", NACUPS Food Service for Colleges Conference, NACUPS Food Service for Colleges Conferences, (Presenter) Grandin, T., Minneapolis.

June 18, 2013, "Developing Measures to Audit Welfare of Cattle and Pigs", American Meat Science Association, American Meat Science Association, (Presenter) Grandin, T., NA.

May 29, 2013, "3 lectures on animal behavior, humane slaughter, and animal welfare auditing", Australian Vet Association, Australian Vet Association, (Presenter) Grandin, T., Cairnes, Australia.

May 7, 2013, "Animal Handling and Stunning Practices", PAACO - Professional Animal Auditor Certification Organization, PAACO, NA.

April 11, 2013, "Animal Welfare and Animal Handling", University of Tennessee, College of Vet Medicine, (Presenter) Grandin, T., Knoxville TN, peer-reviewed/refereed.

April 6, 2013, "Animal Behavior", University of Dublin, College of Vet Medicine, (Presenter) Grandin, T., Dublin, Ireland, peer-reviewed/refereed.

March 23, 2013, "Animal Welfare and Animal Handling", Alabama Cattlemen's Association, Alabama Cattlemen's Association, (Presenter) Grandin, T., Birmingham AL.

March 5, 2013, "Animal Handling and Behavior", Montana State University, Bozeman, Montana State University, Bozeman, (Presenter) Grandin, T., Bozeman MT, peer-reviewed/refereed.

February 22, 2013, "Discussion on Animal Welfare (by phone due to snowstorm)", Nebraska Women in Agriculture, Nebraska Women in Agriculture, Kearney NE.

February 19, 2013, "3 talks on 3 different days", Nebraska Feeders, Nebraska Feeders, (Presenter) Grandin, T., Gehring, Holdrege, and Westpoint NE, peer-reviewed/refereed.

February 14, 2013, "Humane Slaughter", Expo Carnes, Expo Carnes, Mexico, (Presenter) Grandin, T., Monterrey Mexico, peer-reviewed/refereed.

January 30, 2013, "Three lectures on animal handling and stunning", Animal Care Conference, American Meat Institute, (Presenter) Grandin, T., Kansas City.

January 30, 2013, "Cattle Handling", Cattle Feeding Quality Forum, Feedlot Magazine, Dodge City KS.

January 30, 2013, "Animal Handling", Dept. of Animal Science, North Dakota State University, Fargo ND, Fargo ND, peer-reviewed/refereed.

January 30, 2013, "Animal Behavior", Horse Breeders and Owners Conference, Horse Breeders and Owners Conference, (Presenter) Grandin, T., Red Deer, Alberta, Canada.

January 30, 2013, "Welfare Audits", International Agriculture Students, JBS, Colorado, peer-reviewed/refereed.

January 30, 2013, "Animal Behavior", Long Island Veterinary Association, Long Island Vet Association, (Presenter) Grandin, T., Long Island New York, peer-reviewed/refereed.

January 30, 2013, "Cattle Handling", Thumb Area Cattle Picnic, Michigan State University Extension, (Presenter) Grandin, T., Michigan.

January 30, 2013, "Animal Behavior and Autism", University of Arkansas, University of Arkansas, (Presenter) Grandin, T., Fort Smith AR, peer-reviewed/refereed.

January 30, 2013, "Animal Welfare", Utah Pork Association, Utah Pork Association, Utah.

January 30, 2013, "Welfare auditing (videotaped)", World Veterinary Association, World Veterinary Association, Videotaped presentation.

January 24, 2013, "Lecture on Animal Handling", North Dakota State University, NDSU Fargo, Fargo ND, peer-reviewed/refereed.

January 22, 2013, "Animal handling", Department of Animal Science, University of Nebraska, (Presenter) Grandin, T., Nebraska, peer-reviewed/refereed.

January 12, 2013, "Cattle Handling", Angus student leader, CSU, ARDEC.

2011, "American Embryo Transfer Association – Lecture on cattle handling

Collegiate Peak Forums, Buena Vista CA – Talk on animal behavior and autism

Indianapolis Museum of Art – Lecture on animal behavior and autism

Arizona State University, campus-wide lecture – Animal behavior and autism

Texas and Southwestern, Cattle Raisers General Session – Lecture on cattle handling and welfare

Canisius College, Animal Studies program, campus-wide lecture – Lecture on animal behavior and welfare audits

University of Calgary – Lecture on animal behavior

Virginia Forage and Grassland Council, Winter Conference – Lecture on cattle handling and welfare

University of Nebraska, Annual Dairy Conference – Lecture on dairy cow welfare

Southern Illinois University, Edwardsville, campus-wide lecture – Animal behavior and autism".

2011, "Broomfield Public Library, Broomfield CO – Animals and autism

Minnesota State Science Fair – Lecture on visual thinking

University of California, Campus-wide – Lecture on animals and autism

Kern County Cattle Association, Bakersfield CA – Lectures on cattle handling

Duke University – Lectures on animal welfare issues

South Dakota State University – Lectures on animal behavior

Connecticut Forum, Hartford CT – Lectures on animal behavior and autism

Drury University, Springfield MO – Lecture on animal welfare issues

La Positas College – Lecture on animal behavior and autism

St. John's College, Santa Fe NM, campus-wide lecture – Lecture on animal behavior and autism".

2011, "Calvin College, Grand Rapids, campus-wide lecture – Lectures on animal behavior and welfare

Horse Summit, Las Vegas NV – Lecture – horse slaughter issue

Saskatchewan Veterinary Association, Canada – Lecture on animal behavior and welfare auditing

PAACO – Professional Animal Auditor Certification Organization – One of the 4 instructors for meat plant welfare auditor training – for two 1 ½ day workshops

New York Animal FFA Conference, Albany NY – Lecture on animal behavior

TEDX Denver – Lecture on visual thinking

University of Colorado Medical College Commencement – Commencement speech

Norvus Seminar, St Louis – Lecture on animal welfare auditing

University of Alabama, Freshman Orientation – Lectures on animal behavior and autism

Pixar, San Francisco – Lecture of visual thinking".

2011, "CONSULTING

Cargill Corporation – Consult on egg layers

J.S. West Poultry – Consult on colony housing

MBA Smart Chicken – Consult on stunning

National Beef, Brawley CA – Consult on cattle handling

JBS, Souderton PA – Consult on cattle handling

Tyson Foods – Consult on hog handling

PM Beef – Wyndon MN – Consult on cattle handling

Seaboard, Guymon OK – Consult on hog handling

Whole Foods Markets – Welfare Auditing

Sysco, Houston TX – Animal welfare committee

McDonald's Corporation – Animal welfare committee

Wendy's International – Animal welfare

Food Safety Net – Consult on animal welfare

Arrow Sight, Huntsville AL – Consult on animal welfare auditing

Dean Foods, Dallas TX – Consult on dairy cow welfare

Freshmark, Los Angeles, CA – Consult on animal welfare

Progressive Beef, Denver, CO – Animal Welfare Committee".

2011, "Google, Seattle WA – Lecture on visual thinking

Disney Imagineering, Los Angeles CA – Lecture on visual thinking

Colorado Farm Show, Greeley CO – Lecture on cattle handling

College of the Ozarks, Campus-wide – Lecture on animal behavior and autism

Michigan Veterinary Association – Lecture on animal welfare auditing

Oklahoma State University lecture – How livestock producers could be more effective telling their story

LaGuardia Community College, Veterinary Tech Program – Lecture on animal handling

Association for Manufacturing Excellence – Lecture

on visual thinking

Idaho State University, Biology Dept – Lectures on animal behavior

Eblex Cattle Association in England – Lectures on cattle handling".

2011, "University of Bristol, Veterinary College, Bristol, England – Lecture on livestock behavior

Headwaters Resource Conservation and Development Council, Grazing Conference PA – Lecture on cattle handling and ways to reduce stress

Sugar Creek Equinapi, Pleasant Hills KS – Talk on animal behavior

Mississippi Cattlemen Association – Lecture on cattle handling

Wisconsin Humane Society, Milwaukee WI – Lecture on animal behavior

Virginia Angus Association – Lecture on cattle handling

American Devon Cattle Association – Lecture on cattle handling

NE Texas Beef Improvement, Sulphur Springs TX – Lecture on cattle handling

Minnesota Agriculture, Minneapolis MN – Lecture on agriculture communicating with the public

Tender Loving canines, San Diego CA – Lecture on animal behavior

Boehringer Ingelheim Cattle Seminar – Talk on animal welfare".

2011, "Washington State University, College of Veterinary Medicine – Lecture on animal behavior

Eastern Kentucky University – Lecture animals and autism, Campus-wide lecture

Luling Foundation, Texas – Lectures on cattle handling

British Columbia, Canada – Farm Animal Care Council – Lecture on welfare auditing

American Meat Institute – Two lectures on cattle stunning and pig stunning

Texas A&M – Talk on animal welfare

Western Canadian Association of Bovine Practitioners – Lecture on animal welfare

Missouri Veterinary Association – Lecture on animal handling

Virginia Forage and Grassland Association – 3 lectures on 3 different days on cattle handling

Auburn University – Ag Industry Day – Lecture on animal handling".

2010, "Acres Sustainable Organic Association, Indianapolis Lecture on animal welfare and auditing".

2010, "American Meat Institute Animal Handling Conference Three talks on handling and stunning livestock".

2010, "Book tour for Animals Make us Human with talks in Los Angeles Public Library, Tempe Arizona, St. Louis, and Chicago".

2010, "British Columbia SPCA Vancouver, Talks on animal welfare".

2010, "California/Arizona Cattle Feeders Association Lecture on cattle handling".

2010, "Colorado Cattlemen s Association Lecture on cattle handling".

2010, "Colorado State University Animal behavior and autism".

2010, "Cornell University Lecture Animals Make us Human".

2010, "CSU Pre-Vet Club Lectures on animal behavior".

2010, "European Union Welfare Training Meeting for Slaughter in Calgary, Canada Lecture on humane slaughter and auditing".

2010, "Fresno State College Lecture on livestock handling".

2010, "International Symposium on Beef Cattle Welfare at Kansas State University Two lectures, welfare of feedlot cattle and how to implement and conduct animal welfare audits".

2010, "Junior Angus Association, Denver CO - Lecture on

cattle handling and welfare issues".

2010, "Kansas State University Talk on animal handling and animal welfare".

2010, "Michigan Sheep Association Talk on livestock handling".

2010, "Missouri Governors Conference on Agriculture, St. Louis Talk on animal welfare".

2010, "Montana Veterinary Association Lecture on cattle handling, animal welfare and reducing stress."

2010, "Mount Holyoke University Talk on animal behavior and autism".

2010, "North Carolina State University College Lecture on animal behavior".

2010, "Ohio State University Animal Welfare Seminar Lecture on animal welfare and audits".

2010, "Oklahoma State University Talk on Autism, Animals, and Sensory Based Thinking. Over 1,000 people attended."

2010, "Organic Trade Association, Washington, D.C. Lecture on animal welfare audit methods  
Oregon State University Lecture on animal handling and welfare".

2010, "PAACO Professional Animal Auditors Association Workshop to train auditors and Canadian Meat Inspectors on how to audit a Canadian horse slaughter plant."

2010, "PAACO Professional Animal Auditors Association, workshops to train animal welfare auditors for slaughter plants. A total of three days of teaching in plants in the Omaha area."

2010, "Pace University University-Wide Convocation, September 7, 2010".

2010, "Pennsylvania State Veterinary Association, Harrisburg, PA Lecture on animal welfare and auditing".

2010, "Pfizer Cattle Seminar in Pennsylvania Lecture on cattle behavior and welfare auditing".

2010, "Practical Farmer s Association Lecture on cattle handling".

2010, "Range Management Meeting, British Columbia Canada

Three lectures on cattle handling".

2010, "Sarah Lawrence College Lecture on autism and my work in animal behavior".

2010, "TED Conference 2010 The World Needs All Kinds of Minds, February in Long Beach. It has 54,326 views on YouTube".

2010, "University of Calgary Veterinary College, Calgary, Canada Lecture to Veterinary students on humane slaughter".

2010, "University of Connecticut Sustainable Agriculture Program Talk on animal behavior".

2010, "University of Georgia Veterinary School Lecture on animal behavior".

2010, "University of Massachusetts Sustainable Agriculture Program talk on animal welfare".

2010, "University of Michigan, Ann Arbor Lecture on animal behavior".

2010, "University of Oregon Animal welfare issues".

2010, "University of Utah lab Animal Conference, Lecture on ways to reduce stress".

2010, "Wagu Cattle Association Lecture on cattle behavior".

2010, "Western College of Veterinary Medicine, Saskatoon, Canada Talk on animal behavior".

2010, "Windsor Colorado Book Club Lecture on animal behavior".

## TEACHING:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr. Hrs.</u>	<u>Enrollment</u>
2016	Spring	ANEQ799 - Dissertation	18	11
2016	Spring	VM648 - Food Animal Production and Food Safety	2	135
2016	Spring	VM711 - Foundations of Veterinary Medicine IV	1	137
2016	Spring	ANEQ784 - Supervised College Teaching	18	31
2016	Spring	ANEQ699 - Thesis	18	9
2016	Spring	ANEQ300A - Topics in Animal Sciences-Livestock Handling	1	53
2015	Fall	ANEQ799 - Dissertation	18	1
2015	Fall	ANEQ784 - Supervised College Teaching	18	29
2015	Fall	ANEQ699 - Thesis	18	10
2015	Fall	ANEQ300A - Topics in Animal Sciences-Livestock Handling	1	55



2015	Summer	ANEQ699 - Thesis	18	3
2015	Spring	VM730 - Applied Animal Behavior	2	131
2015	Spring	ANEQ799 - Dissertation	18	7
2015	Spring	VM648 - Food Animal Production and Food Safety	2	138
2015	Spring	VS648 - Food Animal Production and Food Safety	2	5
2015	Spring	VM711 - Foundations of Veterinary Medicine IV	1	138
2015	Spring	VM711 - Foundations of Veterinary Medicine IV - Lab	0	138
2015	Spring	ANEQ784 - Supervised College Teaching	18	28
2015	Spring	ANEQ699 - Thesis	18	9
2015	Spring	ANEQ300A - Topics in Animal Sciences-Livestock Handling	1	56
2014	Fall	ANEQ799 - Dissertation	18	8
2014	Fall	ANEQ784 - Supervised College Teaching	18	27
2014	Fall	ANEQ699 - Thesis	18	9
2014	Fall	ANEQ300A - Topics in Animal Sciences-Livestock Handling	1	55
2014	Spring	VM730 - Applied Animal Behavior	2	131
2014	Spring	ANEQ799 - Dissertation	18	6
2014	Spring	VM648 - Food Animal Production and Food Safety	2	136
2014	Spring	VS648 - Food Animal Production and Food Safety	2	4
2014	Spring	VM711 - Foundations of Veterinary Medicine IV	1	133
2014	Spring	VM711 - Foundations of Veterinary Medicine IV - Lab	0	133
2014	Spring	ANEQ784 - Supervised College Teaching	18	23
2014	Spring	ANEQ300A - Topics in Animal Sciences-Livestock Handling	1	46
2013	Fall	ANEQ799 - Dissertation	18	7
2013	Fall	ANEQ381A3 - Livestock Behavior and Handling Methods	3	10
2013	Fall	ANEQ460 - Meat Safety	2	26
2013	Fall	ANEQ784 - Supervised College Teaching	18	21
2013	Fall	ANEQ300A - Topics in Animal Sciences-Livestock Handling	1	57
2013	Spring	VM730 - Applied Animal Behavior	2	138
2013	Spring	ANEQ799 - Dissertation	18	5
2013	Spring	ANEQ476 - Feedlot Systems	3	17
2013	Spring	VM648 - Food Animal Production and Food Safety	2	138
2013	Spring	VS648 - Food Animal Production and Food Safety	2	4
2013	Spring	VM711 - Foundations of Veterinary Medicine IV	1	132
2013	Spring	VM711 - Foundations of Veterinary Medicine IV - Lab	0	132
2013	Spring	ANEQ100 - History of Food Animal Agriculture	3	14
2013	Spring	ANEQ784 - Supervised College Teaching	18	22
2013	Spring	ANEQ300A - Topics in Animal Sciences-Livestock Handling	1	58
2012	Fall	ANEQ799 - Dissertation	18	8
2012	Fall	ANEQ784 - Supervised College Teaching	18	21
2012	Fall	ANEQ300A - Topics in Animal Sciences-Livestock Handling	1	59
2012	Spring	VM730 - Applied Animal Behavior	2	138
2012	Spring	ANEQ799 - Dissertation	18	12
2012	Spring	VM648 - Food Animal Production and Food Safety	2	134
2012	Spring	VS648 - Food Animal Production and Food Safety	2	7
2012	Spring	ANEQ784 - Supervised College Teaching	18	18
2012	Spring	ANEQ300A - Topics in Animal Sciences-Livestock Handling	1	57
2011	Fall	VM710 - Foundations of Veterinary Medicine III	1	139
2011	Fall	ANEQ784 - Supervised College Teaching	18	22

2011	Fall	ANEQ300A - Topics in Animal Sciences-Livestock Handling	1	58
2011	Spring	VM730 - Applied Animal Behavior	2	131
2011	Spring	ANEQ799 - Dissertation	18	11
2011	Spring	VM648 - Food Animal Production and Food Safety	2	140
2011	Spring	VS648 - Food Animal Production and Food Safety	2	2
2011	Spring	ANEQ384 - Supervised College Teaching	5	18
2011	Spring	ANEQ784 - Supervised College Teaching	18	23
2011	Spring	ANEQ300A - Topics in Animal Sciences-Livestock Handling	1	63
2010	Fall	ANEQ799 - Dissertation	18	14
2010	Fall	ANEQ440 - Equine Production and Industry	3	33
2010	Fall	ANEQ384 - Supervised College Teaching	5	30
2010	Fall	ANEQ784 - Supervised College Teaching	18	27
2010	Fall	ANEQ699 - Thesis	18	14
2010	Fall	ANEQ300A - Topics in Animal Sciences-Livestock Handling	1	61
2010	Fall	VM704 - Veterinary Ethics	1	1
2010	Fall	VM704 - Veterinary Ethics	1	36
2010	Fall	VM704 - Veterinary Ethics	1	44
2010	Summer	ANEQ799 - Dissertation	18	2
2010	Spring	VM730 - Applied Animal Behavior	2	130
2010	Spring	VM648 - Food Animal Production and Food Safety	2	138
2010	Spring	VS648 - Food Animal Production and Food Safety	2	1
2010	Spring	ANEQ300A - Topics in Animal Sciences-Livestock Handling	1	26
2009	Fall	ANEQ799 - Dissertation	18	10
2009	Fall	ANEQ300A - Topics in Animal Sciences-Livestock Handling	1	28
2009	Fall	VM704 - Veterinary Ethics	1	40
2009	Fall	VM704 - Veterinary Ethics	1	46
2009	Fall	VM704 - Veterinary Ethics	1	46
2009	Spring	VM648 - Food Animal Production and Food Safety	2	134
2009	Spring	VS648 - Food Animal Production and Food Safety	2	1
2009	Spring	ANEQ699 - Thesis	18	14
2009	Spring	ANEQ300A - Topics in Animal Sciences-Livestock Handling	1	35
2008	Fall	ANEQ699 - Thesis	18	12
2008	Fall	ANEQ300A - Topics in Animal Sciences-Livestock Handling	1	30
2008	Fall	VM704 - Veterinary Ethics	1	45
2008	Fall	VM704 - Veterinary Ethics	1	44
2008	Fall	VM704 - Veterinary Ethics	1	46
2008	Spring	VM730 - Applied Animal Behavior	2	132
2008	Spring	ANEQ487 - Internship	18	31
2008	Spring	ANEQ300A - Topics in Animal Sciences-Livestock Handling	1	50
2007	Fall	ANEQ300A - Topics in Animal Sciences: Livestock Handling	1	35
2007	Fall	VM704 - Veterinary Ethics	1	44
2007	Fall	VM704 - Veterinary Ethics	1	43
2007	Fall	VM704 - Veterinary Ethics	1	46

#### Guest Lectures:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u># of Guest Lectures</u>	<u>Delivery Mode</u>
2015	Spring	AGRI447 - Advance Meat Science	1	Face to Face
2015	Spring	AGRI000 - Animal Policy Class	1	Face to Face
2015	Spring	AGRI000 - Animal Welfare Class	1	Face to Face
2015	Spring	VM730 - Applied Animal Behavior	6	Face to Face
2015	Spring	AGRI000 - Beef Class - Cattle Handling	1	Face to Face
2015	Spring	AGRI000 - Feedlot Systems Class - 1 hour	1	Face to Face
2015	Spring	AGRI107 - Intro to Animal Science	2	Face to Face
2015	Spring	AGRI437 - Marketing Animal Welfare Issues	1	Face to Face
2015	Spring	AGRI000 - Meat Science - 1 1/2 hour talk on Humane Slaughter	1	Face to Face
2015	Spring	AGRI000 - Sheep Systems	1	Face to Face
2014	Fall	Applied Animal Behavior		Face to Face
2014	Fall	Introduction to Animal Agriculture		Face to Face
2014	Fall	Issues in Animal Agriculture		Face to Face
2014	Spring	Advanced Issues in Animal Agriculture	1	Face to Face
2014	Spring	Feedlot Systems Class - 1 hour	1	Face to Face
2014	Spring	Meat Science - 1 1/2 hour talk on Humane Slaughter		Face to Face
2014	Spring	ANEQ300A - Topics on Livestock Handling	2	Face to Face
2013	Fall	AGRI500 - Advanced Issues in Animal Agriculture	1	Face to Face
2013	Fall	ANEQ381A3 - Livestock Behavior and Handling Methods	2	Face to Face
2013	Fall	ANEQ360 - Principles of Meat Science	1	Face to Face
2013	Spring	VM730 - Applied Animal Behavior	3	Face to Face
2013	Spring	ANEQ315 - Equine Behavior	1	Face to Face
2013	Spring	ANEQ476 - Feedlot Systems	1	Face to Face
2013	Spring	VM648 - Food Animal Production	1	Face to Face
2013	Spring	VM711 - Foundations in Veterinary Medicine	1	Face to Face

### COMMITTEES

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**PROFESSIONAL AFFILIATIONS AND ACTIVITIES**

American Society of Animal Science. (January 1, 2015 - Present).

American Veterinary Medical Association Slaughter Committee. (January 1, 2015 - Present).

Journal of Animal Science. (January 1, 2015 - Present).

Meat Science - Reviewer. (January 1, 2015 - Present).

North American Meat Association. (January 1, 2015 - Present).

American Veterinary Medical Association Slaughter Committee. (2000 - Present).

Meat Science - Reviewer. (2000 - Present).

American Veterinary Medical Association. (1990 - Present).

National Cattlemen's Association. (1990 - Present).

American Meat Institute supplier. (1980 - Present).

American Registry of Professional Animal Scientists. (1980 - Present).

American Society of Animal Science. (1978 - Present).

American Society of Agricultural Consultants. (1975 - Present).

American Society of Agricultural Engineers. (1974 - Present).

National Institute of Animal Agriculture. (1973 - Present).

YouTube Sites.

[www.grandin.com](http://www.grandin.com). (January 1, 2015).

[www.grandin.com](http://www.grandin.com). (January 1, 2015).

[www.grandin.com](http://www.grandin.com). (January 1, 2015).

The New Reddit Journal of Science, (November 17, 2014).

Website. (2013).

Member, American Meat Institute supplier.

American Meat Science Association Board of Directors.

Member, American Registry of Professional Animal Scientists.

Member, American Society of Agricultural Consultants.

Member, American Society of Agricultural Engineers.

Member, American Society of Animal Science.

Chairperson, AVMA Euthanasia Committee.

Reviewer, Journal Article, Meat Science.

Member, National Cattlemen's Association.

Member, National Institute of Animal Agriculture.

Member, American Meat Institute Animal Welfare Committee. (2011 - Present).

Chairperson, American Vet Med Association-Chairman of Physical Methods of Euthanasia Committee. (2011 - Present).

Meat Science Journal. (2011 - Present).

PAACO, Various, CO. (2011 - Present).

46 lectures in 21 state on livestock and animal behavior. (2010 - Present).

Member, American Meat Institute-Revised the recommended Animal Handling Guidelines and Audit Guide. (2010 - Present).

Committee Chair, American Vet Med Assoc - Physical Methods of Euthanasia Committee Revising Guidelines. (2010 - Present).

Committee Chair, FASS Ag Guide - Guide for the Care and Use of Agricultural Animals in Research and Teaching. (2010 - Present).

Lectures - 6 campus-wide. (2010 - Present).

Lectures on Autism in U.S. and Canada. (2010 - Present).

Meat Science Journal. (2010 - Present).

Meat Science Journal. (2010 - Present).

PAACO, CO. (2010 - Present).

Committee Member, American Meat Institute Animal Welfare Committee. (1995 - Present).

36 Lectures on Livestock Handling or Animal Behavior including:

Kansas State University – Three day visit. Taught my livestock handling class. (2012).

5th National Conference – Grazing Lands Conservation Initiative, Orlando FL – Talk on cattle handling. (2012).

ALAAS – American laboratory Accreditation Society - Lecture animal behavior. (2012).

American Cheese Society – Lecture on animal welfare issues. (2012).

American Meat Institute, Animal Care Conference, Kansas City – Three lectures stunning methods and cattle handling. (2012).

American Zoological Association, Phoenix, AZ –

Keynote lecture on animal behavior. (2012).

Beef Day – Central Plains Milling, NE – Talk on cattle handling and cattle handling demonstration. (2012).

Beef Welfare Symposium, Saskatoon, Saskatchewan – Lecture on cattle welfare and auditing. (2012).

British Columbia, Cattlemen's Assoc., BC, Canada – Talk on cattle handling. (2012).

Denver Horse Expo – Lecture on horse behavior. (2012).

Emblex Cattle Assoc in United Kingdom – Three talks on cattle handling. (2012).

Florida Cattleman's Assn. – Lecture on cattle handling. (2012).

Forage Conference, Springfield, MO – Lecture on cattle handling. (2012).

Greeley Farm Show – Lecture on animal welfare issues. (2012).

Houston Livestock Show, Houston TX – Lecture on cattle handling. (2012).

Iowa Farm Bureau, Des Moines, IA – Lecture animal welfare. (2012).

Minn-West Technology Foundation – Willmar, MN – Lecture on animal welfare issues. (2012).

Minnesota Veterinary Conference – Lectures on animal behavior. (2012).

Missouri Vocational Agriculture – Talk on animal welfare. (2012).

Mother Earth News Fair, Seven Springs PA – Lecture on cattle handling. (2012).

North American Beef Cattle Welfare Conference – Animal welfare auditing. (2012).

North American Veterinary Conference, Orlando FL – Lecture on animal behavior. (2012).

North Dakota State University, Fargo ND – Lecture on cattle handling and animal welfare. (2012).

Olds College, Olds, Alberta, Foothills Forage Grazing Association, Canada. (2012).

PAACO – Professional Animal Auditor Certification organization – was an instructor for two, one and a

half day workshops. (2012).

Pork Chain Summit – Pfizer Animal Health, Miami, FL –  
Lecture on animal welfare. (2012).

SAVMA – Student American Veterinary Medical Assn,  
Purdue University – Keynote lecture on animal behavior. (2012).

Southern Plains Beef Conference, Ardmore, OK – Talk  
on cattle handling. (2012).

Southwest Meat Association, San Antonio, TX – Lecture  
on animal welfare issues. (2012).

Southwest Pennsylvania Project Grass Conference –  
Indiana, Penn, Lecture on cattle handling. (2012).

Sysco Systems, Houston – Lecture on animal welfare  
issues. (2012).

Tufts Veterinary School – Grafton, MA – Lecture animal  
behavior. (2012).

University of Nebraska – Campus-wide lecture on  
animal behavior and welfare. (2012).

Uruguay – National Farm Animal Welfare Conference –  
Lecture on humane slaughter and transport. (2012).

Virginia Veterinary Medical Assn, Roanoke VA – Lecture  
on animal behavior. (2012).

Western College of Veterinary Medicine –  
Commencement speech. (2012).

TED Conference. (2010).

#### **OTHER ACTIVITIES/ACCOMPLISHMENTS – SERVICE/OUTREACH**

For Profit Organization, Applegate Farms, Bridgewater, NJ.

For Profit Organization, ARC - Kennedy Airport, New York.

For Profit Organization, Arrowsight, Huntsville, AL.

For Profit Organization, Butterball Turkey, Garner, NC.

For Profit Organization, Certified Angus, Garden City, KS.

For Profit Organization, FACTA Auditing Company, Lubbock, TX.

For Profit Organization, Harness Ranch, Coalinga, CA.

Non Profit, HSUS Horse Ranch.



For Profit Organization, McDonald's Organization, Oak Park, IL.

For Profit Organization, Merck Animal Health, Whitehouse Station, NJ.

For Profit Organization, National Beef, Dodge City KS, Liberal KS and Brawley, CA.

For Profit Organization, Seaboard Farms, Guymon, OK.

For Profit Organization, Superior Lamb, Denver, Colorado.

For Profit Organization, Sysco Systems, Houston, TX.

For Profit Organization, Tyson Foods, Springdale, AR.

For Profit Organization, Validar Auditing Company, Des Moines, IA.

Government, American Humane Association, Washington DC, Washington DC, United States. (January 1, 2015 - Present).

For Profit Organization, Arrowsight Corporation, varied, varied, United States. (January 1, 2015 - Present).

For Profit Organization, Butterball Turkey, varied, Varied, United States. (January 1, 2015 - Present).

Government, Cargill Corporation, Greeley, Colorado, United States. (January 1, 2015 - Present).

For Profit Organization, Grandin Livestock Consulting - Mark Deesing, Fort Collins, CP, United States. (January 1, 2015 - Present).

For Profit Organization, McDonalds Corporation, Chicago, Illinois, United States. (January 1, 2015 - Present).

Government, National Beef, varied, varied, United States. (January 1, 2015 - Present).

For Profit Organization, Progressive Beef Zoetis, varied, varied, United States. (January 1, 2015 - Present).

For Profit Organization, Sanitori/Japfa Beef - China Feedyard Training - Mark Deesing, Shandong Province - Hekku District, China, China. (January 1, 2015 - Present).

For Profit Organization, Sukarne Agroindustrial - Mark Deesing, Culliacan, Sinaoloa, Mexico. (January 1, 2015 - Present).

For Profit Organization, Sukarne Agroindustrial - Mark Deesing, Torreon, Durango, Mexico. (January 1, 2015 - Present).

For Profit Organization, Sukarne Agroindustrial - Mark Deesing, Mexicali, Sonora, Mexico. (January 1, 2015 - Present).

For Profit Organization, Sukarne Agroindustrial - Mark Deesing, Michoacan, Michoacan, Mexico. (January 1, 2015 - Present).

For Profit Organization, Sukarne Meats, varied, Mexico, Mexico. (January 1, 2015 - Present).

For Profit Organization, Tyson Foods, Varied, Varied, United States. (January 1, 2015 - Present).

Government, Validus, varied, varied, United States. (January 1, 2015 - Present).

Government, Validus, varied, varied, United States. (January 1, 2015 - Present).

For Profit Organization, Whole Foods, Austin, Texas, United States. (January 1, 2015 - Present).

For Profit Organization, Whole Foods, Austin, Texas, United States. (January 1, 2015 - Present).

For Profit Organization, Arrowsight Corporation, United States. (January 2014 - Present).

For Profit Organization, Butterball Turkey, United States. (January 2014 - Present).

For Profit Organization, Cargill Corporation, United States. (January 2014 - Present).

For Profit Organization, Iowa Premium Beef, Tama, Iowa, United States. (January 2014 - Present).

For Profit Organization, Japco-Santori-China-Indonesia, United States. (January 2014 - Present).

Mark Deesing, Fort Collins, CO, United States. (January 2014 - Present).

For Profit Organization, National Beef, United States. (January 2014 - Present).

For Profit Organization, Progressive Beef Zoetis, United States. (January 2014 - Present).

For Profit Organization, Tonnies, Germany. (January 2014 - Present).

For Profit Organization, Tyson Foods, United States. (January 2014 - Present).

For Profit Organization, Validus, United States. (January 2014 - Present).

For Profit Organization, Whole Foods, Austin, Texas, United States. (January 2014 - Present).

For Profit Organization, Creekstone Beef, Ark City, Kansas, United States. (January 1, 2015 - December 31, 2015).

For Profit Organization, Dean Foods, Varied, Texas, United States. (January 1, 2015 - December 31, 2015).

For Profit Organization, Eagle Rock Ranch - Mark Deesing, Jefferson, Colorado, United States. (January 1, 2015 - December 31, 2015).

For Profit Organization, Green Acres Foundation, Cincinnati, Ohio, United States. (January 1, 2015 - December 31, 2015).

For Profit Organization, Healthy Beef, Charleston, Ohio, United States. (January 1, 2015 - December 31, 2015).

For Profit Organization, Heifer Authority - Mark Deesing, Carr, Colorado, United States. (January 1, 2015 - December 31, 2015).

For Profit Organization, Iowa Premium Beef, Tama, Iowa, United States. (January 1, 2015 - December 31, 2015).

For Profit Organization, Jack O'Neill - Mark Deesing, Ault, Colorado, United States. (January 1, 2015 - December 31, 2015).

For Profit Organization, Japco-Santori-China-Indonesia, Santori, China, China. (January 1, 2015 - December 31, 2015).

For Profit Organization, John Todd - Mark Deesing, Monticello, Florida, United States. (January 1, 2015 -

December 31, 2015).

For Profit Organization, Meat Livestock Australia Livestock Export Program, varied, varied, Australia. (January 1, 2015 - December 31, 2015).

For Profit Organization, Tom Rusch - Mark Deesing, Hettinger, North Dakota, United States. (January 1, 2015 - December 31, 2015).

For Profit Organization, Tonnie's Pork Slaughter Plant - Mark Deesing, varied, Germany, Germany. (January 1, 2015 - December 31, 2015).

For Profit Organization, Vaquero Trading - Mark Deesing, El Paso, Texas, United States. (January 1, 2015 - December 31, 2015).

For Profit Organization, Washington Beef, varied, Washington DC, United States. (January 1, 2015 - December 31, 2015).

For Profit Organization, McDonald's Organization, Oak Park, Illinois, United States. (January 2014 - December 2014).

For Profit Organization, Zia Agricultural Consulting, Indonesia. (December 31, 2013).

(Deesing) Abbott Bloodstock MT. (2010).

(Deesing) Cal Poly State University. (2010).

(Deesing) JBS Swift - CO. (2010).

(Deesing) LSU. (2010).

(Deesing) Mikek Callicrate CO. (2010).

(Deesing) National beef - KS. (2010).

(Deesing) Shasta Farm CA. (2010).

(Deesing) William Barnes. (2010).

American Humane Association. (2010).

Butter Ball Turkey. (2010).

Cargill Friona TX. (2010).

Cargill, Plainview TX. (2010).

Deesing) Heritage Feeders. (2010).

Food Safety Net. (2010).

Hormel Foods, Austin MN. (2010).

Humane Society of US. (2010).

JBS Swift. (2010).

National Beef, Dodge City KS. (2010).

National Beef, Liberal KS. (2010).

Nima Ranch - Denver CO. (2010).

Organic Valley. (2010).

Purina Research Farm. (2010).

Safeway. (2010).

Sysco Food Services. (2010).

Tyson Foods, Springdale AR. (2010).

Walmart. (2010).

Wendy's International. (2010).

Whole Foods. (2010).

Interaction with Industry, Autism Organizations, Worldwide.

American Meat Science Association Board of Directors.

Guest Speaker, U.S., Canada, France, England and Brazil. (January 2014 - December 2014).

2013 Autism Lectures. (January 1, 2013 - December 31, 2013).

Autism Society. (2013).

Autism Society. (January 1, 2013 - December 31, 2013).

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