



## **Michael Domjan, Ph.D.**

*Professor of Psychology*

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### **Education**

1969 - B.A., Grinnell College, Grinnell, Iowa.

1973 - Ph.D., McMaster University, Hamilton, Ontario, Canada

### **Positions Held**

1969-1973 Graduate Teaching Assistant, Department of Psychology, McMaster University, Hamilton, Ontario, Canada.

1973 Postdoctoral Research Fellow, Department of Psychology, University of Toronto, Toronto, Ontario, Canada

1973-1978 Assistant Professor of Psychology, The University of Texas at Austin

1978-1985 Associate Professor of Psychology, The University of Texas at Austin

1985-present Professor of Psychology, The University of Texas at Austin

### **Awards**

Member, Phi Beta Kappa

McMaster University Faculty Fellowship

National Research Council (Canada) Postdoctoral Fellowship

Psi Chi Teaching Excellence Award for 1977, University of Texas at Austin

College of Liberal Arts, Dean's Teaching Excellence Award, 1988, University of Texas at Austin

University of Texas Dad's Association Centennial Teaching Fellowship, 1990-1991

Fellow, Divisions 3 and 6, American Psychological Association

Fellow, Association for Psychological Science

MERIT Award, National Institutes of Mental Health, 1993

G. Stanley Hall Lecturer, American Psychological Association, 1995

Elected Member, Governing Board, Psychonomic Society, 1994-1999

President, Division of Behavioral Neuroscience and Comparative Psychology, American Psychological Association, 1999-2000.

President, Pavlovian Society of North America, 2006-2007.

D. O. Hebb Distinguished Scientific Contributions Award, Division of Behavioral Neuroscience and Comparative Psychology, American Psychological Association

### **Grant Awards**

Spencer Foundation Grant (9/1/1974 to 9/1/1975)

Public Health Service NIMH Grant MH 25007 (6/21/1974 to 2/29/1976)  
National Science Foundation Grant BNS74-17829 (7/1/1975 to 6/30/1977)  
National Science Foundation Grant BNS77-01552 (6/1/1977 to 5/31/1979)  
Public Health Service NIMH Grant MH-77-30788 (1/1/1978 to 12/31/1980)  
Public Health Service NIMH Grant MH-38529 (6/1/1983 to 11/30/1984)  
National Science Foundation Grant BNS 8408109 (10/15/1984 to 3/31/1987)  
National Science Foundation Grant INT-9122748 (1/1/1992 to 8/31/1993)  
Public Health Service NIMH Training Grant 1 T32 MH18837. Training Program in  
Neurobiology and Behavior, Co-PI (1989-2003).  
National Science Foundation Grant INT-9600455 (5/1/1996 to 4/30/1997)  
North Atlantic Treaty Organization, Collaborative Research Grant (4/7/1995-4/7/1997)  
North Atlantic Treaty Organization, Collaborative Research Grant (11/14/1997-  
11/13/1999)  
Public Health Service NIMH Grant MH 39940 (4/1/1987 to 3/31/2008, including MERIT  
Award)  
Meadows Foundation Grant (6/1/2006-5/31/2008)  
Forrest Lattner Foundation Grant (6/2007-6/2008)  
Army Research Laboratory Grants W911NF07-1-0107 and W911NF-08-1-016412 (\$1.62  
million) (3/2007 to 5/2009)  
Various grants from The University of Texas Research Institute

## **Memberships**

American Psychological Association (Fellow, Divisions 3 and 6; President, Division 6, 1999-  
2000)  
American Psychological Society (Fellow)  
Psychonomic Society (Elected to the Governing Board, 1994-1999)  
International Academy of Sex Research  
Phi Beta Kappa  
Animal Behavior Society  
Southwestern Comparative Psychology Association (Elected to the  
Governing Board, 1986-1987, 1998-99)  
Science Advocacy Network, American Psychological Association

## **Professional Activities**

Member, Faculty Council, University of Texas, 2010-2014  
Member, Executive Committee of the Faculty Council, University of Texas, 2012-2013.  
Member, Council of Representatives, American Psychological Association, 2012-2014.  
Member, Executive Committee, Division of Behavioral Neuroscience, American  
Psychological Association, 2012-  
Director, Imaging Research Center, University of Texas at Austin, 2005-2008.  
President, Pavlovian Society of North America, 2006-2007.  
Chairman, Department of Psychology, University of Texas at Austin, 1999-2005.  
Member, Steering Committee, Imaging Research Center, University of Texas, 2003-2005.  
Site visitor to evaluate Psychology Departments at the University of Florida, Kent State  
University, University of Nebraska, Southern Methodist University, University of Iowa,  
and Ohio State University (2005-2014).

Certified Site Visitor for APA accreditation of clinical training programs (2010- ).

Member, APA Scientific Conferences Grant Review Committee, 2004-2007.

Member, BBBP-1 Grant Review Panel (Basic Brain and Behavioral Processes), National Institutes of Health (2000).

Undergraduate Honors Advisor, University of Texas at Austin, 1994-1999.

Member, Executive Committee, Division of Behavioral Neuroscience and Comparative Psychology, American Psychological Association, 1997-2001.

President, Division of Behavioral Neuroscience and Comparative Psychology (Division 6) of the American Psychological Association, 1999-2000.

Member, Executive Committee, Institute for Neuroscience, University of Texas, 1998-1999.

Member, Fellows Selection Committee, American Psychological Society, 1998-2000.

Program Chair, Division of Behavioral Neuroscience and Comparative Psychology, American Psychological Association, 1998-1999.

Secretary/Treasurer, Division of Experimental Psychology, American Psychological Association, 1994-1996.

Member, Publications Committee, Psychonomic Society, 1992-1996.

Member, Governing Board of the Psychonomic Society, 1994-1999.

Member, Committee on Animal Research and Experimentation (CARE) of the American Psychological Association, 1993-1995 (Chair, 1995).

Program Chair, Division of Experimental Psychology, American Psychological Association, 1993.

Head, Behavioral Neuroscience Graduate Training Program, University of Texas, 1984-1993.

Co-Director (with David Crews, Dept. of Zoology), National Institute of Mental Health Training Program in Neurobiology and Behavior, 1993-2003.

Editor, *Journal of Experimental Psychology: Animal Behavior Processes*, 1986-1991.

Member, Council of Editors of the American Psychological Association, 1986-91 (Chair of the Council, 1990-1991).

Associate Editor, *Learning and Motivation*, 1982-85.

Associate Editor, *Contemporary Psychology*, 1983.

Regional Editor for the Western United States, *Experimental Animal Behavior*, 1982-1984.

Associate Editor (for Comparative Psychology, and Biological factors in learning), *Encyclopedia of the Learning Sciences*, Springer, 2009-2011.

Consulting Editor, *Journal of Comparative Psychology* (1993-2000, 2005 to present), *Psychonomic Bulletin & Review* (1993-1997), *Encyclopedia of Comparative Psychology* (1993-95), *Journal of the Experimental Analysis of Behavior* (2000-2003, 2009-), *Suma Psicológica* (1998-2005), *International Journal of Comparative Psychology* (2000- ), *Learning & Behavior* (2002-2008), *Journal of Comparative Psychology* (2005- ), *Revista Latinoamericana de Psicología*, Fundación Universitaria Konrad Lorenz, Colombia (2005- ), *Latin American Journal of Psychology* (2005-2008), *Psychological Research Minutes* (Autonomous University of Mexico) (2010-).

Member, Editorial Committee (2005-2008), *Latin American Journal of Psychology*.

Consulting Reviewer, *Journal of Comparative Psychology*; *Psychological Bulletin*; *Developmental Psychobiology*; *Behavioral and Neural Biology*; *Animal Learning & Behavior*; *Journal of Experimental Psychology: Animal Behavior Processes*; *Learning and Motivation*; *Science*; *Physiology & Behavior*; *Pharmacology Biochemistry and Behavior*; *Chemical Senses*; *Psychological Review*; *Animal Behaviour*, *Behavioural Processes*,

*Psychobiology, Quarterly Journal of Experimental Psychology, Proceedings of the National Academy of Sciences, Psychological Science, Behavioural Brain Research, Institute for Laboratory Animal Research Journal, Behaviour. PlosOne Biology, Journal of Experimental Zoology.*

Consulting Reviewer, National Science and Engineering Research Council of Canada; National Science Foundation, USA; National Institutes of Health, USA; Netherlands Organization for Scientific Research (Social Sciences);  
Visiting Scientist and Faculty, Florida State University, 1974; McMaster University, 1981-82; Institut National de la Recherche Agronomique, Tours, France, 1996, 1997; Bogaziçi University, Istanbul, Turkey, 1997; IVth Expo Academia, Fundación Universitaria Konrad Lorenz, Bogotá, Colombia, 2002; Visiting Professor, National University of Colombia, Bogotá, Colombia, 2007.  
Member, Faculty Senate and University Council, The University of Texas, 1975-1977.  
Coordinator, International Conference on Learning Mechanisms in Food Selection, Baylor University, 1976.  
Assistant Chairman, Department of Psychology, The University of Texas, 1977-1981, 1983-1984.  
Member, Faculty Promotions Committee, College of Liberal Arts, 1986, 1987, 1989.  
Member, Faculty Oversight Committee, The University of Texas Press, 1986-88.  
Member, Governing Board of the Southwest Comparative Psychology Association, 1984-86, 1997-2006.  
Distinguished Visiting Faculty, NSF Summer Training Program in Experimental Psychology, Colorado State University, 1990.

## Research Interests

Basic behavioral mechanisms of learning, Biological constraints on learning, Learning mechanisms in reproductive behavior, Comparative psychology, Music and Psychology.

## Books

Domjan, M. (2015). *Principles of learning and behavior*. 7<sup>th</sup> Edition. Stamford, CN: Cengage Learning.

Domjan, M. (2010). *Principles of learning and behavior*. 6<sup>th</sup> Edition. Belmont, CA: Wadsworth/Cengage. Spanish edition, *Principios de aprendizaje y conducta*, translated by M. A. Ortiz Salinas. Wadsworth/Cengage, Impreso en México, 2010.

Domjan, M. (2006). *The principles of learning and behavior: Active learning edition*. Belmont, CA: Thomson/Wadsworth.

Domjan, M. (2005). *The essentials of conditioning and learning*. 3<sup>rd</sup> edition. Belmont, CA: Thomson/Wadsworth.

Domjan, M. (2003). *Principles of learning and behavior*. 5<sup>th</sup> edition. Belmont, CA: Thomson/Wadsworth. [Spanish edition, *Principios de aprendizaje y conducta*, translated by M. A. Vadillo and G. M. Good (International Thomson Editores, Spain, 2003).

Domjan, M. (2000). *Essentials of conditioning and learning*. 2<sup>nd</sup> edition. Belmont, CA: Wadsworth/Thomson Learning. [Spanish edition, *Bases del aprendizaje y el condicionamiento*, prologue and translation by Juan Manuel Rosas Santos, del Lunar

(Colección Universitas), 2000. Turkish edition, *Kosullama ve Öğrenmenin Temelleri*, translated by H. Çentinkaya, Türk Psikologlar Derneği Yayinlari No. 28, 2004, Ankara, Turkey]

Domjan, M. (1998). *The principles of learning and behavior*. 4th edition. Pacific Grove, CA: Brooks/Cole. [Spanish edition, *Principios de Aprendizaje y Conducta*, México: International Thomson Editores, 1999.]

Domjan, M. (1996). *Essentials of conditioning and learning*. Pacific Grove, CA: Brooks/Cole. [Spanish edition, *Bases del aprendizaje y el condicionamiento*, prologue and translation by Juan Manuel Rosas Santos, del Lunar (Colección Universitas), 1998.]

Domjan, M. (1993). *The principles of learning and behavior*. 3rd edition. Pacific Grove, CA: Brooks/Cole.

Domjan, M., & Burkhard, B. (1986). *The principles of learning and behavior*. 2nd edition. Pacific Grove, CA: Brooks/Cole. [Spanish edition, *Principios de aprendizaje y de conducta*. Madrid: Editorial Debate, 1990.]

Domjan, M., & Burkhard, B. (1982). *The principles of learning and behavior*. Pacific Grove, CA: Brooks/Cole, 389 pp.

Barker, L. M., Best, M. R., & Domjan, M. (Eds.) (1977). *Learning mechanisms in food selection*. Waco: Baylor University Press, 632 pp.

## Published Papers

Domjan, M. P. (1969). Superstitious escape in the albino rat. *The Psychological Record*, 19, 53-58.

Domjan, M. P., & Rowell, J. W. (1969). The effects of escape conditioning and shock intensity on responding during inescapable shock. *Journal of the Experimental Analysis of Behavior*, 12, 1045-1048.

Domjan, M.P., & Rowell, J.W. (1969.) Discrimination between escapable and inescapable shock. *Psychological Reports*, 24, 111-114.

Domjan, M. P., & DuNann, D. H. (1969). Contingency management in an introductory laboratory course. *Midwest Education Review*, 1, 35-46.

Siegel, S., & Domjan, M. (1971). Backward conditioning as an inhibitory procedure. *Learning and Motivation*, 2, 1-11.

Domjan, M., & Siegel, S. (1971). Conditioned suppression following CS preexposure. *Psychonomic Science*, 25, 11-12.

Domjan, M., & Wilson, N. E. (1972). Specificity of cue to consequence in aversion learning in the rat. *Psychonomic Science*, 26, 143-145.

Domjan, M., & Wilson, N. E. (1972) . Contribution of ingestive behaviors to taste-aversion learning in the rat. *Journal of Comparative and Physiological Psychology*, 80, 403-412.

- Domjan, M. (1972). CS preexposure in taste-aversion learning: Effects of deprivation and preexposure duration. *Learning and Motivation*, 3, 389-402.
- Domjan, M. (1973). Role of ingestion in odor-toxicosis learning in the rat. *Journal of Comparative and Physiological Psychology*, 84, 507-521.
- Siegel, S., & Domjan, M. (1974). The inhibitory effect of backward conditioning as a function of the number of backward pairings. *Bulletin of the Psychonomic Society*, 4, 122-124.
- Domjan, M., & Bowman, T. G. (1974). Learned safety and the CS-US delay gradient in taste-aversion learning. *Learning and Motivation*, 5, 409-423.
- Domjan, M. (1975). Indeterminacy of preparedness. Review of "Biological Boundaries of Learning," M. E. P. Seligman & J. L. Hager, Eds., *Contemporary Psychology*, 20, 366-367.
- Domjan, M. (1975). Poison-induced neophobia in rats: Role of stimulus generalization of conditioned taste aversions. *Animal Learning & Behavior*, 3, 205-211.
- Domjan, M. (1975). The nature of the thirst stimulus: A factor in conditioned taste-aversion behavior. *Physiology & Behavior*, 14, 809-813.
- Domjan, M. (1976). Determinants of the enhancement of flavored-water intake by prior exposure. *Journal of Experimental Psychology: Animal Behavior Processes*, 2, 17-27.
- Domjan, M., & Gillan, D. (1976). Role of novelty in the aversion for increasingly concentrated saccharin solutions. *Physiology & Behavior*, 16, 537-542.
- Domjan, M., Gillan, D., & Trent, J. M. (1976). Reinforcing properties of novel and familiar solutions of saccharin for rats. *Bulletin of the Psychonomic Society*, 7, 151-153.
- Domjan, M. (1977). Selective suppression of drinking during a limited period following aversive drug treatment in rats. *Journal of Experimental Psychology: Animal Behavior Processes*, 3, 66-76.
- Domjan, M., & Levy, C. J. (1977). Taste aversions conditioned by the aversiveness of insulin and formalin: Role of CS specificity. *Journal of Experimental Psychology: Animal Behavior Processes*, 3, 119-131.
- Domjan, M., & Gregg, B. (1977). Long-delay backward taste-aversion conditioning with lithium. *Physiology & Behavior*, 18, 59-62.
- Domjan, M. (1977). Attenuation and enhancement of neophobia for edible substances. In L.M. Barker, M. Best, and M. Domjan (Eds.), *Learning mechanisms in food selection*. Waco, Texas: Baylor University Press.

Gillan, D. J., & Domjan, M. (1977). Taste-aversion conditioning with expected versus unexpected drug treatment. *Journal of Experimental Psychology: Animal Behavior Processes*, 3, 297-309.

Domjan, M., & Best, M. R. (1977). Paradoxical effects of unconditioned stimulus preexposure: Interference with and conditioning of a taste aversion. *Journal of Experimental Psychology: Animal Behavior Processes*, 3, 310-321.

Domjan, M., & Gillan, D. J. (1977). After-effects of lithium-conditioned stimuli on consummatory behavior. *Journal of Experimental Psychology: Animal Behavior Processes*, 3, 322-334.

Domjan, M., Schorr, R., & Best, M. R. (1977). Early environmental influences on conditioned and unconditioned ingestional and locomotor behaviors. *Developmental Psychobiology*, 6, 499-506.

Best, M. R., Domjan, M., & Haskins, W. L. (1978). Long-term retention of flavor familiarization: Effects of number and amount of prior exposures. *Behavioral Biology*, 23, 95-99.

Domjan, M. (1978). Effects of proximal unconditioned stimulus preexposure on ingestional aversions learned as a result of taste presentation following drug treatment. *Animal Learning & Behavior*, 6, 133-142.

Gregg, B., Kittrell, E. M., Domjan, M., & Amsel, A. (1978). Ingestional aversion learning in preweanling rats. *Journal of Comparative and Physiological Psychology*, 92, 785-795.

Domjan, M., Foster, K., & Gillan, D. J. (1979). Effects of distribution of the drug unconditioned stimulus on taste-aversion learning. *Physiology & Behavior*, 23, 931-938.

Best, M. R., & Domjan, M. (1979). Characteristics of the lithium-mediated proximal US preexposure effect on flavor-aversion conditioning. *Animal Learning & Behavior*, 7, 433-440.

Domjan, M., Gillan, D. J., & Gemberling, G. A. (1980). Aftereffects of lithium-conditioned stimuli on consummatory behavior in the presence and absence of the drug. *Journal of Experimental Psychology: Animal Behavior Processes*, 6, 49-64.

Domjan, M. (1980). Ingestional aversion learning: Unique and general processes. In J. S. Rosenblatt, R. A. Hinde, C. Beer, and M. Busnel (Eds.), *Advances in the study of behavior*, 11, 275-336. New York: Academic Press.

Domjan, M., & Gemberling, G. A. (1980). Effects of expected versus unexpected proximal US preexposure on taste-aversion learning. *Animal Learning & Behavior*, 8, 204-210.

Gemberling, G. A., Domjan, M., & Amsel, A. (1980). Aversion learning in 5-day-old rats: Taste-toxicosis and texture-shock associations. *Journal of Comparative and Physiological Psychology*, 94, 734-745.

Domjan, M., Gemberling, G. A., & Gillan, D. J. 1980. Increased drinking stimulated by exposure to lithium-conditioned taste cues: Effects of conditioning trials and drug dose. *Pharmacology Biochemistry & Behavior*, *12*, 789-795.

Domjan, M. (1980). Effects of the intertrial interval on taste-aversion learning in rats. *Physiology & Behavior*, *25*, 117-125.

Domjan, M., & Best, M. R. (1980). Interference with ingestional aversion learning produced by preexposure to the unconditioned stimulus: Associative and nonassociative aspects. *Learning and Motivation*, *11*, 522-537.

Miller, V., & Domjan, M. (1981). Selective sensitization induced by lithium malaise and footshock in rats. *Behavioral and Neural Biology*, *31*, 42-55.

Miller, V., & Domjan, M. (1981). Specificity of cue to consequence in aversion learning in the rat: Control for US-induced differential orientations. *Animal Learning & Behavior*, *9*, 339-345.

Gemberling, G. A., & Domjan, M. (1982). Selective associations in one-day-old rats: Taste-toxicosis and texture-shock aversion learning. *Journal of Comparative and Physiological Psychology*, *96*, 105-113.

Domjan, M., Miller, V., & Gemberling, G. A. 1982. Note on aversion learning to the shape of food by monkeys. *Journal of the Experimental Analysis of Behavior*, *38*, 87-91.

Domjan, M., & Hanlon, M. J. (1982). Poison-avoidance learning to food-related tactile stimuli: Avoidance of texture cues by rats. *Animal Learning & Behavior*, *10*, 293-300.

Domjan, M. (1982). Selective associations in aversion learning. In M. L. Commons, R. J. Herrnstein, and A. R. Wagner (Eds.) *Quantitative analyses of behavior Vol.3*, Cambridge, MA: Ballinger.

Domjan, M. (1983). Biological constraints on instrumental and classical conditioning: Implications for general process theory. In G. H. Bower (Ed.) *The psychology of learning and motivation*, *17*, 215-277. New York: Academic Press.

Domjan, M., & Siegel, S. (1983). Attenuation of the aversive and analgesic effects of morphine by repeated administration: Different mechanisms. *Physiological Psychology*, *11*, 155-158.

Domjan, M., & Galef, B. G. Jr. (1983). Biological constraints on instrumental and classical conditioning: Retrospect and prospect. *Animal Learning & Behavior*, *11*, 151-161.

Domjan, M. (1983). Biological constraints and the pursuit of general theories of learning. In R. L. Mellgren (Ed.), *Animal cognition and behavior*. Amsterdam: North Holland.



- Domjan, M. (1985). Cue-consequence specificity and long-delay learning revisited. *Annals of the New York Academy of Sciences*, 443, 54-66.
- Domjan, M. (1985). Evolution of biological thinking in learning. Review of biological factors in learning. M. D. Zeiler and P. Harzem (Eds.), *Contemporary Psychology*, 30, 107-109.
- Domjan, M., & Hall, S. (1986). Determinants of social proximity in Japanese quail (*Coturnix coturnix japonica*): Male behavior. *Journal of Comparative Psychology*, 100, 59-67.
- Domjan, M., & Hall, S. (1986). Sexual dimorphism in the social proximity behavior of Japanese quail (*Coturnix coturnix japonica*). *Journal of Comparative Psychology*, 100, 68-71.
- Domjan, M., & Kurth, S. (1986). Effects of novelty on the reproductive behavior of male Japanese quail (*Coturnix coturnix japonica*). *Journal of Comparative Psychology*, 100, 203-207.
- Domjan, M., Lyons, R., North, N. C., & Bruell, J. (1986). Sexual Pavlovian conditioned approach behavior in male Japanese quail (*Coturnix coturnix japonica*). *Journal of Comparative Psychology*, 100, 413-421.
- Domjan, M. (1987). Photoperiodic and endocrine control of social proximity behavior in male Japanese quail (*Coturnix coturnix japonica*). *Behavioral Neuroscience*, 101, 385-392.
- Domjan, M., & Hollis, K. L. (1988). Reproductive behavior: A potential model system for adaptive specializations in learning. In R. C. Bolles and M. D. Beecher (Eds.), *Evolution and Learning*. (pp. 213-238) Hillsdale, NJ: Erlbaum.
- Domjan, M. (1987). Comparative psychology and the study of animal learning. Invited paper in celebration of 100 years of the *Journal of Comparative Psychology*, 101, 237-241.
- Domjan, M. (1987). Animal learning comes of age. *American Psychologist*, 42, 556-564.
- Domjan, M., & Nash, S. (1988). Stimulus control of social behavior in male Japanese quail (*Coturnix coturnix japonica*). *Animal Behaviour*, 36, 1006-1015.
- Domjan, M., O'Vary, D., & Greene, P. (1988). Conditioning of appetitive and consummatory sexual behavior in male Japanese quail. *Journal of the Experimental Analysis of Behavior*, 50, 505-519.
- Domjan, M., Greene, P., & North, N. C. (1989). Contextual conditioning and the control of copulatory behavior by species-specific sign stimuli in male Japanese quail. *Journal of Experimental Psychology: Animal Behavior Processes*, 15, 147-153.
- Domjan, M., & Nash, S. (1989). Conditioning of sexual and reproductive behavior: Extending the hegemony to the propagation of species. *Behavioral and Brain Sciences*, 12, 138-139.

- Nash, S., Domjan, M., & Askins, M. (1989). Sexual discrimination learning in male Japanese quail (*Coturnix coturnix japonica*). *Journal of Comparative Psychology*, *103*, 347-358.
- Domjan, M. (1990). Modification of sexual behavior through conditioning: An avian model. In J. R. Feierman (Ed.), *Pedophilia: Biosocial dimensions.*, pp. 242-273. New York: Springer-Verlag.
- Domjan, M., & Ravert, R. D. (1991). Discriminating the sex of conspecifics by male Japanese quail (*Coturnix coturnix japonica*). *Journal of Comparative Psychology*, *105*, 157-164.
- Nash, S., & Domjan, M. (1991). Learning to discriminate the sex of conspecifics in male Japanese quail (*Coturnix coturnix japonica*): Tests of "biological constraints". *Journal of Experimental Psychology: Animal Behavior Processes*, *17*, 342-353.
- Domjan, M. (1991). Review of "Behavioral analysis and biological factors" and "Contemporary learning theories". *American Journal of Psychology*, *104*, 306-310.
- Domjan, M. (1992). Animal learning and mate choice: Possibilities and experimental evidence. *American Zoologist*, *32*, 48-61.
- Domjan, M., Huber-McDonald, M., & Holloway, K. S. (1992). Conditioning copulatory behavior to an artificial object: Efficacy of stimulus fading. *Animal Learning & Behavior*, *20*, 350-362.
- Domjan, M., Akins, C., & Vandergriff, D. H. (1992). Increased responding to female stimuli as a result of sexual experience: Tests of mechanisms of learning. *Quarterly Journal of Experimental Psychology*, *45B*, 139-157.
- Crawford, L. L., & Domjan, M. (1993). Sexual approach conditioning: Omission contingency tests. *Animal Learning & Behavior*, *21*, 42-50.
- Holloway, K. S., & Domjan, M. (1993). Sexual approach conditioning: Unconditioned stimulus factors. *Journal of Experimental Psychology: Animal Behavior Processes*, *19*, 38-46.
- Holloway, K. S. & Domjan, M. (1993). Sexual approach conditioning: Tests of unconditioned stimulus devaluation using hormone manipulations. *Journal of Experimental Psychology: Animal Behavior Processes*, *19*, 47-55.
- Crawford, L. L., Holloway, K. S., & Domjan, M. (1993). The nature of sexual reinforcement. *Journal of the Experimental Analysis of Behavior*, *60*, 55-66.
- Crawford, L. L., Akins, C. K., & Domjan, M. (1994). Stimulus control of copulatory behavior in sexually naive male Japanese quail (*Coturnix japonica*): Effects of test context and stimulus movement. *Journal of Comparative Psychology*, *108*, 252-261.
- Köksal, F., Domjan, M., & Weisman, G. (1994). Blocking of the sexual conditioning of differentially effective conditioned stimulus objects. *Animal Learning & Behavior*, *22*, 103-111.

Akins, C.K., Domjan, M., & Gutiérrez, G. (1994). Topography of sexually conditioned behavior in male Japanese quail (*Coturnix japonica*) depends on the CS-US interval. *Journal of Experimental Psychology: Animal Behavior Processes*, 20, 199-209.

Domjan, M. (1994). Formulation of a behavior system for sexual conditioning. *Psychonomic Bulletin & Review*, 1, 421-428.

Hilliard, S., & Domjan, M. (1995). Effects of sexual conditioning of devaluing the US through satiation. *Quarterly Journal of Experimental Psychology*, 48B, 84-92.

Domjan, M., & Purdy, J. E. (1995). Animal research in psychology. *American Psychologist*, 50, 496-503. [Reprinted in B. M. Jubilan (Ed.), (1997). *Annual Editions: Biopsychology*, Guilford, CN: Dushkin/McGraw Hill; also *Psy Chi Newsletter*, 1996, 22, 8-13.]

Crawford, L. L., & Domjan, M. (1995). Second-order sexual conditioning in male Japanese quail (*Coturnix japonica*). *Animal Learning & Behavior*, 23, 327-334.

Crawford, L. L., & Domjan, M. (1996). Conditioned inhibition of social approach in male Japanese quail (*Coturnix japonica*) using visual exposure to a female. *Behavioural Processes*, 36, 163-169.

Gutiérrez, G., & Domjan, M. (1996). Learning and male-male sexual competition in Japanese quail (*Coturnix japonica*). *Journal of Comparative Psychology*, 110, 170-175.

Burns, M., & Domjan, M. (1996). Sign tracking versus goal tracking in the sexual conditioning of male Japanese quail (*Coturnix japonica*). *Journal of Experimental Psychology: Animal Behavior Processes*, 22, 297-306.

Domjan, M., & Purdy, J. E. (1996). Teaching about animal research in psychology. *American Psychologist*, 51, 979-980.

Akins, C. K., & Domjan, M. (1996). The topography of sexually conditioned behaviour: Effects of a Trace Interval. *Quarterly Journal of Experimental Psychology*, 49B, 346-356.

Hilliard, S., Nguyen, M., & Domjan, M. (1997). One-trial appetitive conditioning in the sexual behavior system. *Psychonomic Bulletin & Review*, 4, 237-241.

Mills, A. D., Crawford, L. L., Domjan, M., & Faure, J. M. (1997). The behavior of the Japanese or domestic quail, *Coturnix japonica*. *Neuroscience and Biobehavioral Reviews*, 21, 261-281.

Gutiérrez, G., & Domjan, M. (1997). Differences in the sexual conditioned behavior of male and female Japanese quail (*Coturnix japonica*). *Journal of Comparative Psychology*, 111, 135-142.

Domjan, M. (1997). Behavior systems and the demise of equipotentiality: Historical antecedents and evidence from sexual conditioning. In M. E. Bouton and M. S. Fanselow

(Eds.) *Learning, motivation, and cognition*. (pp. 31-51). Washington, D.C.: American Psychological Association.

Villarreal, R., & Domjan, M. (1998). Pavlovian conditioning of social-affiliative behavior in the Mongolian gerbil (*Meriones unguiculatus*). *Journal of Comparative Psychology*, *112*, 26-35.

Domjan, M. (1998). Going wild in the laboratory: Learning about species typical cues. In D. L. Medin (Ed.), *The Psychology of Learning and Motivation*, *38*, 155-186. San Diego: Academic Press.

Domjan, M., & Holloway, K. S. (1998). Sexual learning. In G. Greenberg and M. M. Haraway (Eds.), *Comparative psychology: A handbook*. (pp. 602-613). New York: Garland.

Cusato, B., & Domjan, M. (1998). Special efficacy of sexual conditioned stimuli that include species typical cues: Tests with a CS preexposure design. *Learning and Motivation*, *29*, 152-167.

Hilliard, S., Domjan, M., Nguyen, M., & Cusato, B. (1998). Dissociation of conditioned appetitive and consummatory sexual behavior: Satiation and extinction tests. *Animal Learning & Behavior*, *26*, 20-33.

Domjan, M., & Crawford, L. L. (1998). Condicionamiento sexual de la conducta instrumental. (Sexual conditioning of instrumental behavior.) In R. Ardila, W. L. López, M. Pérez-Acosta, R. Quiñones, and F. D. Reyes (Eds.), *Manual de análisis experimental del comportamiento* (pp. 401-419). Madrid: Biblioteca Nueva.

Purdy, J. E., & Domjan, M. (1998). Tactics in theory of mind research. *Behavioral and Brain Sciences*, *21*, 129-130.

Domjan, M., Blesbois, E., & Williams, J. (1998). The adaptive significance of sexual conditioning: Pavlovian control of sperm release. *Psychological Science*, *9*, 411-415.

Burns, M., Domjan, M., & Mills, A. D. (1998). Effects of genetic selection for fearfulness or social reinstatement behavior on adult social and sexual behavior in domestic quail (*Coturnix japonica*). *Psychobiology*, *26*, 249-257.

Köksal, F., & Domjan, M. (1998). Observational conditioning of sexual behavior in the domesticated quail. *Animal Learning & Behavior*, *26*, 427-432.

Çetinkaya, H., & Domjan, M. (1998). An automated technique for the study of cyclic fluctuations in sexual motivation in an avian species. *Behavioral Research Methods, Instrumentation, & Computers*, *30*, 667-673.

Burns, M., & Domjan, M. (2000). Sign tracking in domesticated quail with one trial a day. Generality across CS and US parameters. *Animal Learning & Behavior*, *28*, 109-119.

- Domjan, M., Cusato, B., & Villarreal, R. (2000). Pavlovian Feed-Forward Mechanisms in the Control of Social Behavior. *Behavioral and Brain Sciences*, *23*, 235-249. (Target Article).
- Domjan, M., Cusato, B., & Villarreal, R. (2000). Extensions, elaborations, and explanations of the role of evolution and learning in the control of social behavior. *Behavioral and Brain Sciences*, *23*, 269-282. (Reply to commentaries).
- Domjan, M. (2000). Animal learning and behavior: Theoretical issues. In A. E. Kazdin (Ed.), *Encyclopedia of Psychology*, Vol. 1 (pp. 179-182). Washington, D.C./New York: American Psychological Association and Oxford University Press.
- Domjan, M. & Grau, J. E. (2000). Avoidance learning. In A. E. Kazdin (Ed.), *Encyclopedia of Psychology*, Vol. 1 (pp. 353-357). Washington, D.C./New York: American Psychological Association and Oxford University Press.
- Domjan, M. (2000). Learning: Overview. In A. E. Kazdin (Ed.), *Encyclopedia of Psychology*, Vol. 5 (pp.1-3). Washington, D.C./New York: American Psychological Association and Oxford University Press.
- Domjan, M. & Burns, M. (2000). Learning theories. In A. E. Kazdin (Ed.), *Encyclopedia of Psychology*, Vol. 5 (pp.34-40). Washington, D.C./New York: American Psychological Association and Oxford University Press.
- Domjan, M. (2000). Sexual conditioning. In A. E. Kazdin (Ed.), *Encyclopedia of Psychology*, Vol. 7 (pp.241-242). Washington, D.C./New York: American Psychological Association and Oxford University Press.
- Cusato, B., & Domjan, M. (2000). Facilitation of appetitive conditioning with naturalistic conditioned stimuli: CS and US factors. *Animal Learning and Behavior*, *28*, 247-256.
- Domjan, M. (2000). General process learning theory: Challenges from response and stimulus factors. *International Journal of Comparative Psychology*, *13*, 101-118.
- Burns, M., & Domjan, M. (2001). Topography of spatially directed conditioned responding: Effects of context and trial duration. *Journal of Experimental Psychology: Animal Behavior Processes*, *27*, 269-278.
- Burns, M., & Domjan, M. (2001). Plus maze experiments and the boundary conditions of the dynamic field model. *Behavioral and Brain Sciences*, *24*, 35-36.
- Domjan, M. (2002). Cognitive modulation of sexual behavior. In M. Bekoff & C. Allen (Eds.) *The cognitive animal*. (pp. 89-95). Cambridge, MA: MIT Press.
- Domjan, M., & Krause, M. A. (2002). Research productivity in animal learning from 1953-2000. *Animal Learning & Behavior*, *30*, 282-285.

- Krause, M. A., Cusato, B., & Domjan, M. (2003). Extinction of conditioned sexual responses in male Japanese quail (*Coturnix japonica*): Role of species typical cues. *Journal of Comparative Psychology*, *117*, 76-86.
- Domjan, M. (2003). Stepping out of the box in considering the C/T ratio. *Behavioural Processes*, *62*, 103-114.
- Domjan, M., Mahometa, M., & Mills, A. D. (2003). Relative contributions of the male and female to sexual behavior and reproductive success in the Japanese quail (*Coturnix japonica*). *Journal of Comparative Psychology*, *117*, 391-399.
- Domjan, M. (2004). Through the roof. *APS Observer*, Vol. 17, no. 6.  
<http://www.psychologicalscience.org/observer/getArticle.cfm?id=1591>
- Köksal, F., Domjan, M., Kurt, A., Sertel, Ö., Sabiha, Ö., Bowers, R., & Kumru, G. (2004). An animal model of fetishism. *Behavioural Research and Therapy*, *42*, 1421-1434.
- Domjan, M., Cusato, B., & Krause, M. (2004). Learning with arbitrary versus ecological conditioned stimuli: Evidence from sexual conditioning. *Psychonomic Bulletin & Review*, *11*, 232-246.
- Mahometa, M. J., & Domjan, M. (2005). Classical conditioning increases reproductive success in Japanese quail, *Coturnix japonica*. *Animal Behaviour*, *69*, 983-989.
- Domjan, M. (2005). Pavlovian conditioning: A functional perspective. *Annual Review of Psychology*, *56*, 179-206.
- Domjan, M. (2006). Ecological and functional perspectives on Pavlovian conditioning. In Q. Jing, M. R. Rosenzweig, G. d'Ydewalle, H. Zhang, H.-C. Chen, and K. Zhang (Eds.) *Psychological science around the world. Vol. 1: Neural, cognitive, and developmental issues.* (pp. 73-93). (Proceedings of the 18th International Congress of Psychology, Beijing). Hove and New York: Psychology Press.
- Domjan, M., & Can, A. (2006). Sexual conditioning methods: Theoretical and practical considerations. In M. J. Anderson (Ed.), *Tasks and techniques: A sampling of the methodologies for the investigation of animal learning, behavior, and cognition.* (pp. 145-162). New York: Nova Science.
- Çetinkaya, H., & Domjan, M. (2006). Sexual fetishism in a quail (*Coturnix japonica*) model system: Test of reproductive success. *Journal of Comparative Psychology*, *120*, 427-432.
- Matthews, R. N., Domjan, M., Ramsey, M., & Crews, D. (2007). Learning effects on sperm competition and reproductive fitness. *Psychological Science*, *18*, 758-762.
- Domjan, M. (2008). Claiming credit in the interdisciplinary age. *APS Observer*, *21*, 14-18.  
<http://www.psychologicalscience.org/observer/getArticle.cfm?id=2324>

Can, A., Delille, Y., & Domjan, M. (2007). Sexual experience modulates neuronal activity in male Japanese quail. *Hormones and Behavior*, 52, 590-599.

Domjan, M. (2008). From taste aversion to sexual conditioning and back: Reflections on 40 years in the lab. *Conditioned taste aversion: An annotated bibliography. Highlights*, February, 2008, <http://www.ctalearning.com/highlights.asp>.

Domjan, M. (2008). Adaptive specializations and generality of the laws of classical and instrumental conditioning. In J. Byrne (Ed.) *Learning and Memory: A comprehensive reference*. (Vol. 1, *Learning and Behavior Theory*, R. Menzel, Ed., pp. 327-340.) Oxford: Elsevier.

Domjan, M. (2009). Foreword: Evolution and maturation of CTA research. In S. Reilly and T. R. Schachtman (Eds.), *Conditioned taste aversion Behavioral and neural processes* (pp. xi-xv). New York: Oxford University Press.

Domjan, M., & Akins, C. K. (2011). Applications of Pavlovian conditioning to sexual behavior and reproduction. In T. R. Schachtman and S. Reilly (Eds.), *Associative learning and conditioning theory: Human and non-human applications*. (pp. 507-531). New York: Oxford University Press.

Matthews, R. N., & Domjan, M. (2011). Selección sexual: competencia de esperma, sistemas de apareamiento y aprendizaje. In G. Gutiérrez and M. R. Papini (Eds.) *Darwin: y las Ciencias del Comportamiento*. (pp. 115-136). Bogotá D.C.: Universidad Nacional de Colombia.

Gutiérrez, G., & Domjan, M. (2011). Conditioning of sexual proceptivity in female quail: Measures of conditioned place preference. *Behavioural Processes*, 87, 268-273.

Domjan, M. (2012). Biological and evolutionary constraints on learning. In N. M. Seel (Ed.), *Encyclopedia of the Sciences of Learning*. (pp. 461-463). New York: Springer.

Domjan, M. (2012). Erotic/sexual learning. In N. M. Seel (Ed.), *Encyclopedia of the Sciences of Learning*. (pp. 1171-1174). New York: Springer.

Domjan, M. (2012). Law of effect. In N. M. Seel (Ed.), *Encyclopedia of the Sciences of Learning*. (pp. 1732-1735). New York: Springer.

Domjan, M. (2012). Learning and instinct. In N. M. Seel (Ed.), *Encyclopedia of the Sciences of Learning*. (pp. 1790-1793). New York: Springer.

Domjan, M. (2012). Pavlov, Ivan P. (1848-1936). In N. M. Seel (Ed.), *Encyclopedia of the Sciences of Learning*. (pp. 1790-1793). New York: Springer.

Domjan, M., Mahometa, M. J., & Matthews, R. N. (2012). Learning in intimate connections: Conditioned fertility and its role in sexual competition. *Socioaffective Neuroscience & Psychology*, vol. 2, pages 1-10. DOI: 10.3402/snp.v2i0.17333. (Open source)

Cusato, B., & Domjan, M. (2012). Naturalistic conditioned stimuli facilitate sexual conditioning because of their similarity with the unconditioned stimulus. *International Journal of Comparative Psychology*. 25, 166-179.

Domjan, M. (2013). Conditioning and learning. In A. L. C. Runehov and L. Oviedo (Eds.), *Encyclopedia of Sciences and Religions*. (Pp. 464-471). Dordrecht: Springer Science-Business Media.

Wilhelm, J., & Domjan, M. (2013). Robert (Bob) Helmreich (1937-2012). *American Psychologist*, 68, 470.

Domjan, M. (2014). Biological constraints on learning. In H. L. Miller (Ed.), *Encyclopedia of theory in psychology*. Sage Publications.

Krause, M., & Domjan, M. (2015). Ethological and Evolutionary Perspectives on Pavlovian Conditioning. In J. Call (Ed.), *Handbook of Comparative Psychology*. Washington, D.C.: American Psychological Association

Domjan, M. (2015). The Garcia-Koelling selective association effect: A historical and personal perspective. *International Journal of Comparative Psychology*, volume 28. Permalink: <http://escholarship.org/uc/item/5sx993rm>

## Presented Papers

Domjan, M. "Superstitious escape behavior" in the albino rat. Presented at meetings of the Iowa Academy of Science, April, 1968.

Kent, N. D., & Domjan, M. Teaching classroom contingency management to public school teachers. Presented at meetings of the Midwest Psychological Association, May, 1969.

Domjan, M. The CS preexposure effect without habituation of attentional responses. Presented at meetings of the Eastern Psychological Association, New York, April, 1971.

Domjan, M. Odor-toxicosis learning in rats: Role of ingestive behavior. Presented at meetings of the Eastern Psychological Association, Washington, D.C., May, 1973.

Domjan, M., & Bowman, T. G. Reintroduction of the CS during an extended CS-US interval facilitates taste-aversion learning. Presented at meetings of the Eastern Psychological Association, Philadelphia, PA., April, 1974.

Domjan, M. Poison-induced neophobia in rats: A result of the associative consequences of poisoning. Presented at meetings of the Psychonomic Society, Boston, November, 1974.

Domjan, M., & Gillan, D. Factors in the attenuation of flavor neophobia in domesticated rats. Presented at meetings of the American Psychological Association, Chicago, August, 1975.



Domjan, M. Increased flavor neophobia in recently poisoned rats. Presented at meetings of the Psychonomic Society, Denver, November, 1975.

Domjan, M. Ingestion of novel substances in normal and sick rats, and the effects of this experience on subsequent consummatory behavior. Presented at the Baylor Symposium on Learning Mechanisms in Food Selection, March, 1976.

Domjan, M., & Levy, C. J. CS specificity in taste-aversion conditioning with aversive need states. Presented at meetings of the American Psychological Association, Washington, D.C., September, 1976.

Domjan, M., Best, M. R., & Shilstone, R. Attenuated taste aversion learning despite increased taste-illness contiguity. Presented at meetings of the Eastern Psychological Association, Boston, April, 1977.

Domjan, M. Information processing in food selection. Presented at meetings of the Southwestern Psychological Association, Fort Worth, April, 1977.

Domjan, M., & Gillan, D. J. Increased drinking associated with the expectancy of lithium malaise: Evidence of a conditioned opponent process. Presented in the symposium "Conditioned Drug Tolerance and Opponent Processes" held at meetings of the American Psychological Association, San Francisco, August, 1977.

Domjan, M. Aftereffects of lithium and lithium-conditioned stimuli on ingestion and ingestional aversion learning. Presented in the symposium "Opponent processes in animal and human behavior" held at meetings of the Eastern Psychological Association, Washington, D.C., March, 1978.

Domjan, M., Gillan, D. J., & Gemberling, G. A. Increased drinking elicited by exposure to lithium-conditioned taste cues. Presented at meetings of the Psychonomic Society, San Antonio, Texas, November, 1978.

Domjan, M., & Best, M. R. Proximal and durable US preexposure in taste-aversion learning: Differential involvement of associative processes. Presented at meetings of the Eastern Psychological Association, Hartford, CT, April, 1980.

Gemberling, G. A., & Domjan, M. Selective associations in one-day-old rats. Presented at meetings of the Eastern Psychological Association, Hartford, CT, April 1980.

Domjan, M. Selective associations in aversion learning. Presented at the Third Annual Symposium on Quantitative Analyses of Behavior: Acquisition. June 6 & 7, 1980, Harvard University, Cambridge, MA.

Domjan, M., Miller, V., Hanlon, M., & Gemberling, G. A. Aversive conditioning to tactile cues in monkeys and rats. Presented at meetings of the Psychonomic Society, St. Louis, Missouri, November, 1980.

- Domjan, M. Biological constraints on learning revisited. Invited paper presented at meetings of the Midwest Psychological Association, May, 1982.
- Domjan, M. Biological approaches to the study of animal learning. Presented at meetings of the Southwest Comparative Psychology Association, Austin, Texas, April, 1983.
- Domjan, M., Hall, S., & Bruell, J. Sexual learning: Acquired looking at females by male Japanese quail. Presented at meetings of the Southwest Comparative Psychology Association, Lubbock, Texas, April, 1984.
- Domjan, M. Cue-consequence specificity and long delay learning revisited. Presented at the Conference on Experimental Assessments and Clinical Applications of Conditioned Food Aversions, New York Academy of Sciences, April, 1984.
- Domjan, M., Hall S., & Lyons, R. Acquisition and maintenance of sexual looking in Japanese quail. Presented at meetings of the Psychonomic Society, San Antonio, Texas, November, 1984.
- Hall, S., & Domjan, M. Sexual dimorphism in the social proximity behavior of Japanese quail. Presented at meetings of the Southwestern Psychological Association, Austin, Texas, April, 1985.
- Lyons, R., & Domjan, M. Pavlovian conditioning of sexual approach in male Japanese quail. Presented at meetings of the Southwestern Psychological Association, Austin, Texas, April, 1985.
- Domjan, M., Lyons, R., & North, C. Sexual classical conditioning in Japanese quail. Presented at meetings of the Psychonomic Society, Boston, November, 1985.
- Domjan, M. Photoperiodic and endocrine control of social proximity behavior in male Japanese quail (*Coturnix coturnix japonica*). Presented at meetings of the Eastern Psychological Association. New York, April, 1986.
- Domjan, M., Nash, S. M., & O'Vary, D. The social context of crowing in male Japanese quail. Presented at meetings of the Southwestern Psychological Association, Fort Worth, April, 1986.
- Domjan, M. Animal learning comes of age. Invited address for the Division of Experimental Psychology, presented at meetings of the American Psychological Association, Washington, D.C., August, 1986.
- Domjan, M. Reproductive behavior: Problems and opportunities for the study of learning. Invited address for the Hull-Spence Society, presented at meetings of the Psychonomic Society, New Orleans, November, 1986.
- Domjan, M. Animal learning and comparative psychology. Presented at the Winter Conference on Animal Learning, Winter Park, CO, January, 1987.

O'Vary, D., & Domjan, M. Classical conditioning of sexual arousal to artificial body adornments in Japanese quail. Presented at meetings of the Southwest and Rocky Mountain Division of the American Association for the Advancement of Science, Austin, Texas, April, 1987.

Nash, S. & Domjan, M. (1987). Acquisition and stimulus analysis of how male Japanese quail discriminate female conspecifics. Presented at meetings of the Southwestern Psychological Association, New Orleans, April, 1987.

Domjan, M., O'Vary D., & Morter, R. Conditioning sexual arousal to an arbitrary body adornment: Toward an animal model of fetishism. Presented at meetings of the Southwestern Psychological Association, New Orleans, April, 1987.

Domjan, M., & Nash, S. Acquisition and stimulus analysis of how male Japanese quail discriminate female conspecifics. Presented at meetings of the Animal Behavior Society, Williamstown, MA, June, 1987.

Domjan, M. Experiential modification of sexual object choice in adult Japanese quail. Presented at the Jamez Springs Symposium on Adult Human Sexual Behavior with Children and Adolescents, sponsored by the International Society for Human Ethology, Jamez Springs, New Mexico, June, 1987.

Domjan, M., & Nash, S. Role of learning in the control of behavior by species specific stimuli. Presented at meetings of the Psychonomic Society, Seattle, November, 1987.

Domjan, M. Study of learning in the history of comparative psychology. Presented at meetings of the Southwestern Psychological Association, Tulsa, April, 1988.

Domjan, M., Huber-McDonald, M., & Holloway, K. Conditioning of copulatory behavior in an avian species. Presented at meetings of the Psychonomic Society, Chicago, November, 1988.

Nash, S., & Domjan, M. Acquisition of unusual sexual preferences in male Japanese quail. Presented at meetings of the Southwestern Psychological Association, Houston, April, 1989.

Domjan, M. Motivational and functional constraints on learning: Historical antecedents and future prospects. Invited address presented at the XXIst International Ethological Conference, Utrecht, The Netherlands, August, 1989.

Nash, S., & Domjan, M. Stimulus control of appetitive sexual behavior: Tests of constraints on learning. Paper presented at meetings of the Psychonomic Society, Atlanta, November, 1989.

Bowman, M., & Domjan, M. CS-US interval effects on sexual approach conditioning in quail. Paper presented at meetings of the Southwestern Psychological Association, Dallas, April, 1990.

Ravert, R., & Domjan, M. Sexual discrimination learning in male Japanese quail. Paper presented at meetings of the Southwestern Psychological Association, Dallas, April, 1990.

Domjan, M. The publication process: An editor's perspective. Paper presented at meetings of the Western Psychological Association, Los Angeles, May, 1990.

Domjan, M., & Ravert, R. Sexual discrimination learning: A response profile approach. Paper presented at meetings of the Psychonomic Society, New Orleans, November, 1990.

Domjan, M. The role of learning in the elicitation and modulation of sexual responses in Japanese quail. Invited paper presented in the symposium, "Mechanisms of mate choice", at meetings of the American Society of Zoologists, San Antonio, December, 1990.

Domjan, M., Strategies for the study of adaptive specializations in learning. Presented in the symposium "Evolution and learning" at meetings of the Winter Conference on Animal Learning, Colorado, January, 1991.

Akins, C., & Domjan, M. Contextual control of sexual behavior and sexual conditioning. Paper presented at meetings of the Southwestern Psychological Association, New Orleans, April, 1991.

Domjan, M., & Holloway, K. Unconditioned stimulus factors in sexual approach conditioning. Poster presented at meetings of the Psychonomic Society, San Francisco, November, 1991.

Holloway, K., & Domjan, M. Sexual conditioning: Unconditioned stimulus factors. Paper presented at meetings of the Southwestern Psychological Association, Austin, TX, April, 1992.

Akins, C. K., Domjan, M., & Gutiérrez, G. Long-delay learning in a sexual conditioning paradigm. Paper presented at meetings of the Southwestern Psychological Association, Austin, TX, April, 1992.

Domjan, M. Learning and the stimulus control of sexual behavior. Invited address for the Division of Experimental Psychology, presented at meetings of the American Psychological Association, Washington, D.C., August, 1992.

Crawford, L. L., and Domjan, M. Pavlovian sexual conditioning: Omission contingency tests. Paper presented at meetings of the Psychonomic Society, St. Louis, November, 1992.

Holloway, K. S., & Domjan, M. Conditioning copulatory behavior to an artificial object: A discrimination procedure. Presented at meetings of the Southwestern Psychological Association, Corpus Christi, April, 1993.

Akins, C. K., & Domjan, M. Male quail can learn sexual associations over long intervals. Presented at meetings of the Southwestern Psychological Association, Corpus Christi, April, 1993.

Hilliard, S., & Domjan, M. The US-preexposure effect in sexual conditioning. Presented at meetings of the Southwestern Psychological Association, Corpus Christi, April, 1993.

Gutiérrez, G., & Domjan, Territorial preference of female Japanese quail in a sexual situation. Presented at meetings of the Southwestern Psychological Association, Corpus Christi, April, 1993.

Domjan, M. Behavior systems approach to sexual learning. Paper presented in the symposium, "Behavior systems: Motivation, learning, and development," at meetings of the American Psychological Association, Toronto, Canada, August, 1993.

Crawford, L. L., & Domjan, M. Conditioned inhibition of social approach in male Japanese quail. Presented at meetings of the Southeastern Psychological Association, New Orleans, March, 1994.

Burns, M., & Domjan, M. Spatial factors in sexual conditioned approach behavior in male Japanese quail. Presented at meetings of the Southwestern Psychological Association, Tulsa, April, 1994.

Domjan, M., Gutiérrez, G., & Burns, M. Sign tracking and sexual competition in an avian species. Presented at meetings of the Psychonomic Society, St. Louis, November, 1994.

Domjan, M. Object learning in the work of Pavlov and Harlow. Presented at the Winter Conference on Animal Learning XIII, January, 1995, Winter Park, CO.

Akins, C. K., & Domjan, M. Trace vs. delayed conditioning of sexual behavior in quail. Paper presented at the Midwest Psychological Association, Chicago, May, 1995.

Domjan, M. Animal research in psychology. Paper presented in the symposium "Animal research: The forgotten foundation of general psychology," presented at meetings of the American Psychological Association, August, 1995, New York.

Domjan, M. Learning and behavior systems. G. Stanley Hall lecture presented at meetings of the American Psychological Association, August, 1995, New York.

Gutiérrez, G., & Domjan, M. Dimorphism in the sexual conditioned behavior of male and female Japanese quail. Paper presented at meetings of the Southwest Psychological Association, San Antonio, April, 1995.

Burns, M., & Domjan, M. Distinguishing between sign tracking and goal tracking in sexual conditioning. Paper presented at meetings of the Southwest Psychological Association, San Antonio, April, 1995.

Domjan, M. Participant in a symposium titled "A blast from the past: Rewinding Barker, Best, and Domjan (1977)," presented at meetings of the Southwest Psychological Association, San Antonio, April, 1995.

Domjan, M. Participant in a symposium titled "The animal researcher: An endangered species in introductory psychology textbooks," presented at meetings of the Southwest Psychological Association, San Antonio, April, 1995.

Villarreal, R., & Domjan, M. Sexual conditioning in Mongolian gerbils (*meriones unguiculatus*). Paper presented at meetings of the Animal Behavior Society, Lincoln, NB, July, 1995.

Cusato, B., & Domjan, M. Object learning in avian reproductive behavior. Paper presented at meetings of the Animal Behavior Society, Lincoln, NB, July, 1995.

Domjan, M. Animal research in psychology. Paper presented in the symposium "Animal research: The forgotten foundation of general psychology," presented at meetings of the American Psychological Association, August, 1995, New York.

Domjan, M. Learning and behavior systems. G. Stanley Hall lecture presented at meetings of the American Psychological Association, August, 1995, New York.

Domjan, M. From biological constraints to the study of sexual learning. Paper presented at meetings of the Winter Conference on Animal Learning, Winter Park, CO, January, 1996.

Domjan, M. Learning and behavior systems. G. Stanley Hall lecture, presented at meetings of the Southwest Psychological Association, Houston, April, 1996.

Cusato, B. M., & Domjan, M. The CS preexposure effect in sexual conditioning: Stimulus and response factors. Presented at meetings of the Southwest Psychological Association, Houston, April, 1996.

Gutiérrez, G., Cusato, B., & Domjan, M. Instrumental learning of a conditioned sexual response in Japanese quail. Presented at meetings of the Southwest Psychological Association, Houston, April, 1996.

Hilliard, S., Nguyen, M. P., & Domjan, M. (1996). One-trial learning about an appetitive US: Sexual contextual conditioning. Presented at meetings of the Southwest Psychological Association, Houston, April, 1996.

Villarreal, R. P., & Domjan, M. Sexual approach conditioning in Mongolian gerbils. Presented at meetings of the Southwest Psychological Association, Houston, April, 1996.

Domjan, M. Learning and behavior systems. G. Stanley Hall lecture, presented at meetings of the Midwest Psychological Association, Chicago, May, 1996

Gutiérrez, G., Ortega, O., & Domjan, M. Sexual conditioning of females in an avian species. Paper presented at the 26th International Congress of Psychology, August 21, 1996, Montreal, Canada

Domjan, M., & Cusato, B. Nonarbitrary conditioned stimuli facilitate conditioning in the sexual behavior system. Paper presented at meetings of the Psychonomic Society, Chicago, November, 1996.

Domjan, M., Hilliard, S., & Gutiérrez, G. Modulatory effects of conditioned stimuli on animal social behavior. Invited paper presented at meetings of the Eastern Psychological Association, Washington, D.C., April, 1997.

Gutiérrez, G., & Domjan, M. Changes in territorial preferences as a result of social exposure and sexual experience in female Japanese quail. Paper presented at meetings of the Southwest Psychological Association, Fort Worth, April, 1997.

Hilliard, S. J., Nguyen, M. P., Rodriguez, T., & Domjan, M. One-trial sexual conditioning: Context specificity. Paper presented at meetings of the Southwest Psychological Association, Fort Worth, April, 1997.

Domjan, M. The proximal US preexposure effect revisited. Invited paper presented in the SCPA Symposium Honoring Michael Best at meetings of the Southwest Psychological Association, Fort Worth, April, 1997.

Hamilton, M. B., & Domjan, M. Sign tracking: Specialization of quail or of sexual conditioning? Poster presented at meetings of the Southwest Psychological Association, Fort Worth, April, 1997.

Villarreal, R. D., & Umphress, E. Transfer of learned sexual responses across periods of female receptivity. Poster presented at meetings of the Southwest Psychological Association, Fort Worth, April, 1997.

Casato, B. M. Female cues facilitate conditioned behavior independent of US attributes. Paper presented at meetings of the Southwest Psychological Association, Fort Worth, April, 1997.

Chen, J., Gutiérrez, G., Cusato, B., & Cetinkaya, H. Sexual dimorphism in the instrumental conditioning of a sexual response in Japanese quail. Paper presented at meetings of the Southwest Psychological Association, Fort Worth, April, 1997.

Cusato, B., & Domjan, M. Does the nature of the US determine CS effectiveness in conditioned sexual behavior? Paper presented at meetings of the Eastern Psychological Association, Washington, D.C., April, 1997.

Hamilton, M. B., & Domjan, M. Sign tracking in quail: How far will they go? Poster presented at meetings of the Psychonomic Society, Philadelphia, PA, November, 1997.

Stewart Hilliard, S., & Domjan, M. One-trial appetitive conditioning: Sexual learning about context. Paper presented at the Fifth International Conference on Comparative Cognition, Melbourne, Florida, March, 1998.

Cusato, B. M., Villarreal, R., & Domjan, M. Pavlovian conditioning as a regulatory mechanism for social behavior. Paper presented at meetings of the Southwest Psychological Association, New Orleans, April, 1998.

Çetinkaya, H., & Domjan, M. Rhythmicity of copulatory behavior in domesticated quail. Poster presented at meetings of the Society for Research on Biological Rhythms, Jacksonville, FL, May, 1998.

Domjan, M. Pavlovian modulation of instinctive behavior: Bridging the gap between laboratory and field. Paper presented in the invited symposium "Functional bases of Pavlovian conditioning" at meetings of the Psychonomic Society, Dallas, TX, November, 1998.

Domjan, M. Conceptualizing Pavlovian contributions to biological systems: A shift from homeostatic mechanisms to cost/benefit calculations. Paper presented at the Winter Conference on Animal Learning, Winter Park, Colorado, January, 1999.

Domjan, M. Contributions of studies of sexual learning to general process learning theory. Invited key-note address presented at the Winter Conference on Animal Learning, Winter Park, Colorado, January, 1999.

Çetinkaya, H., & Domjan, M. Sexual rhythm in male Japanese quail (*Coturnix japonica*). Paper presented at meetings of the Southwest Psychological Association, Albuquerque, NM, April, 1999.

Burns, M. Contextual associations and conditioned sexual behavior in domesticated quail. Paper presented at meetings of the Southwest Psychological Association, Albuquerque, NM, April, 1999.

Cusato, B., & Mahometa, M. Symmetry and social proximity behavior in domesticated quail. Paper presented at meetings of the Southwest Psychological Association, Albuquerque, NM, April, 1999.

Cusato, B., & Domjan, M. The Pavlovian feed-forward control of social behavior: A model for improved efficiency. Paper presented at meetings of the Eastern Psychological Association, Providence, RI, April, 1999.

Villarreal, R. P., & Domjan, M. Conditioned affiliative behavior in Mongolian gerbils: Role of female sexual receptivity. Paper presented at meetings of the Psychonomic Society, Los Angeles, CA, November, 1999.

Mahometa, M. J., & Domjan, M. Relationships between reproductive behavior and fertility. Paper presented at meetings of the Southwest Psychological Association, Dallas, TX, April, 2000.

Domjan, M. (2000). New perspectives from a functional approach to Pavlovian conditioning. Presidential Address, Division of Behavioral Neuroscience and Comparative Psychology, American Psychological Association, Washington, D.C., August, 2000.

Domjan, M., & Mahometa, M. Learning and fertilization success in the domesticated quail. Paper presented at meetings of the Winter Conference on Learning and Behavior, Winter Park, CO, January, 2001.



Domjan, M. Modulation of the phenomenology of learning by the choice of stimuli and response measures. Paper presented in the symposium, "Generality of the Laws of Learning," at the Winter Conference on Learning and Behavior, Winter Park, CO, January, 2001.

Domjan, M. Towards a new functional perspective on Pavlovian conditioning. Paper presented at the International Conference on Comparative Cognition, Melbourne, FL, March, 2001.

Cusato, B., & Domjan, M. Second-order sexual conditioning in male domesticated quail. Paper presented at meetings of the Southwest Psychological Association, Houston, TX, April, 2001.

Mahometa, M. J., & Domjan, M. Effect of copulatory anticipation on reproductive behavior and fertility. Paper presented at meetings of the Southwest Psychological Association, Houston, TX, April, 2001.

Domjan, M. Rewinding history and returning to natural learning paradigms. Invited address presented at the meeting of the Pavlovian Society, New Brunswick, NJ, October, 2001.

Cusato, B., & Domjan, M. CS-US similarity effects in sexual conditioning. Presented at meetings of the Psychonomic Society, Orlando, FL, November, 2001.

Domjan, M. What sexual behavior can tell us about learning. Invited Focus Paper presented at meetings of the Eastern Psychological Association, Boston, MA, March, 2002.

Mahometa, M. J., & Domjan, M. Carbon dioxide as an aversive stimulus to Japanese quail. Paper presented at meetings of the Southwest Psychological Association, Corpus Christie, TX, April, 2002.

Krause, M. A., Cusato, B., & Domjan, M. Extinction of conditioned sexual responses: Role of species typical cues. Paper presented at meetings of the Southwest Psychological Association, Corpus Christie, TX, April, 2002.

Burns, M., & Domjan, M. Stepping outside the box in considering the C/T ratio." Paper presented at a symposium on the Gallistel & Gibbon Rate Expectancy Theory at meetings of the Society for the Quantitative Analysis of Behavior, Toronto, Canada, May, 2002.

Domjan, M. Learning in the sexual behavior system. Invited keynote address XIV Congreso de la Sociedad Española de Psicología Comparada, Seville, Spain, September, 2002.

Domjan, M. Learning research: Beyond the operant chamber. Workshop presented at the Fundación Universitaria Konrad Lorenz, Bogota, Colombia, Oct. 16, 2002.

Domjan, M. Future of learning research. Presented at the IVth Expo Academia, Fundación Universitaria Konrad Lorenz, Bogota, Colombia, Oct. 18, 2002.

- Domjan, M. Relations between biology, ethology, and learning psychology. Presented at the IVth Expo Academia, Fundación Universitaria Konrad Lorenz, Bogota, Colombia, Oct. 18, 2002.
- Domjan, M. Preparedness Revisited: Seligman and his critics were both right. Paper presented at the Winter Conference on Animal Learning and Behavior, Winter Park, Colorado, February, 2003.
- Burns, M., Cassidy, H., Somodevilla, A., & Domjan, M. What controls goal tracking in sexually conditioned Japanese quail? Paper presented at meetings of the Southwest Psychological Association, New Orleans, April, 2003.
- Bailey, S. A., & Domjan, M. Pavlovian conditioning as conditioned modification of the unconditioned response. Paper presented at meetings of the Southwest Psychological Association, New Orleans, April, 2003.
- Mahometa, M. J., & Domjan, M. Effect of CS-US intervals on copulatory behavior and fertility rate in Japanese quail (*Coturnix japonica*). Paper presented at meetings of the Southwest Psychological Association, New Orleans, April, 2003.
- Matthews, R. N., Gean, E., & Domjan, M. Renewal effects in sexual conditioning. Paper presented at meetings of the Southwest Psychological Association, New Orleans, April, 2003.
- Domjan, M. Learning in the sexual behavior system. Invited tutorial Association for Behavior Analysis, San Francisco, May, 2003.
- Mahometa, J. & Domjan, M. Copulatory anticipation and changes in reproductive behavior and fertility in Japanese quail (*Coturnix japonica*). Paper presented at meetings of the Society for the Scientific Study of Sexuality, San Antonio, November, 2003.
- Matthews, R. N., Ramsey, M., Domjan, M., & Crews, D. Microsatellite markers increase reliability in paternity testing of Japanese quail. Paper presented at meetings of the Southwest Psychological Association, San Antonio, April, 2004.
- Domjan, M. A functional approach to the study of Pavlovian conditioning. Invited keynote address presented at the 28th International Congress of Psychology, Beijing, China, August, 2004.
- Gean, E. G., & Domjan, M. Context and Pavlovian conditioning: "When" trumps "how much." Paper presented at meetings of the Southwest Psychological Association, Memphis, TN, March, 2005.
- Can, A., & Domjan, M. Can mate choice be shaped by Pavlovian conditioning? Paper presented at meetings of the Southwest Psychological Association, Memphis, TN, March, 2005.
- Domjan, M., & R. Nicolle Matthews. Psychological Facilitation of Conception by Pavlovian Conditioning. Paper presented at meetings of the American Psychological Society, Los Angeles, May, 2005.

Domjan, M. Effects of sexual conditioning on copulatory behavior and reproductive success. Presented in an invited symposium at meetings of the Society for Behavioral Neuroendocrinology, June, 2005.

Domjan, M. Pavlovian conception. Invited talk presented at meetings of the American Psychological Association, Washington, D.C., August, 2005.

Domjan, M. Pavlovian conception. Invited talk presented at Conference on Associative Learning Today (in honor of S. Siegel), McMaster University, November 9-10, 2005.

Domjan, M. Pavlovian conditioning outside the laboratory. Invited talk presented at International Conference on Learning, November 24-25, 2005, Universidad de las Américas, Santiago, Chile.

Gean, E. C., & Domjan, M. Variables that determine the Pavlovian conditioned response. Paper presented at meetings of the Southwest Psychological Association, Austin, TX, April, 2006.

Can, A., Delville, Y., & Domjan, M. Experience decreases immediate early gene expression in response to sexual behavior. Poster presented at meetings of the Society for Behavioral Neuroendocrinology, Pittsburgh, PA, June, 2006.

Can, A., Delville, Y., & Domjan, M. Experience modulates neuronal activation in response to sexual behavior. 2006 Society for Neuroscience Abstract No. 151.9/P3.

Domjan, M. Functional Magnetic Resonance Imaging: An introduction. SCPA invited address presented at meetings of the Southwest Psychological Association, Fort Worth, TX, April, 2007.

Can, A., Delville, Y., & Domjan, M. Novelty diminishes the effects of sexual experience in male Japanese quail. Poster presented at meetings of the Society for Behavioral Neuroendocrinology, Pacific Grove, CA, June, 2007.

Domjan, M. If Pavlov had collaborated with Tinbergen. Invited address presented at Encuentro de Ciencias del Comportamiento [Behavioral Science Conference], Universidad Nacional, Bogotá, Colombia, November 1-3, 2007.

Domjan, M. Pavlovian modification of sexual behavior and reproductive success in Japanese quail. Presented at meetings of the Pavlovian Society of North America, Austin, Texas, October, 2007.

Domjan, M. Implications of the quail studies for the study of learning and human sexuality in general. Presented at meetings of the Southwest Psychological Association, San Antonio, Texas, April, 2011, as part of a symposium (organized by Germán Gutiérrez) celebrating the 25<sup>th</sup> anniversary of the start of the Texas Quail Project (with participants from Turkey, Colombia, and the USA).

Domjan, M. Pavlovian conditioning: It's more than just about a "respondent." Invited address presented at meetings of the Texas Association for Behavior Analysis. Austin, Texas, February 17, 2012.

Domjan, M. Pavlovian conditioning: It's not about the CR but about modification of a biobehavioral system. Invited tutorial lecture, Society for the Quantitative Analysis of Behavior and meeting of the Association for Behavior Analysis International, Seattle, May, 2012.

Domjan, M. The importance of behavior. Invited keynote address presented at the 18<sup>th</sup> Ulusal Psikoloji Ögrencileri Kongresi, Izmir, Turkey, July, 2013.

Domjan, M. Music as a vehicle for the teaching of psychology and research design. Paper presented at meetings of the American Psychological Association, Honolulu, Hawaii, August, 2013.

Domjan, M. Pavlovian conditioning and applied behavior analysis. Invited address presented at meetings of the Southeastern Association for Behavior Analysis, Myrtle Beach, South Carolina, October, 2013.

Domjan, M. Behavior: Not just the output but also the input for biological systems. Keynote address to be presented at meetings of the Southwest Comparative Psychology Association, meeting in conjunction with the Southwest Psychological Association, April, 2014, San Antonio, Texas.

Domjan, M. Past, present, and future of comparative psychology. Leader of panel discussion at meetings of the Southwest Comparative Psychology Association, meeting in conjunction with the Southwest Psychological Association, April, 2014, San Antonio, Texas.

Domjan, M. Behavioral adaptation and learning. D. O. Hebb Award acceptance talk. American Psychological Association, August, 2014, Washington, D.C.

Domjan, M. The comparative psychology of learning: Challenges and Opportunities. Invited address presented at the 17<sup>th</sup> International Congress of the International Society for Comparative Psychology, September, 2014, Bogotá, Colombia.