

Curriculum Vitae

James Byron Nelson
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Summary

I am a 1997 PhD graduate of the University of Vermont where, in addition to graduate course work I was a laboratory technician for Mark E. Bouton, laboratory instructor and instructor coordinator for the Department of Psychology, and instructor of General Psychology. After leaving Vermont I held an assistant professor position at the University of Central Arkansas (6 years) before moving to the College of Charleston, South Carolina (2) years. In 2006 I obtained a Ramon y Cajal Fellowship, followed by a short "personal investigador doctor contratado" position while transitioning to my current role as Personal Investigador Doctor Permanente which I have held since 2012.

I have been the principal investigator in four competitive projects including an Academic Research Enhancement Award from the National Institutes of Health of the United States, and projects from the Ministerio de Ciencia, Innovación, y Universidades and the Ministerio de Economía, Industria, y Competitividad of Spain. My research into associative learning has produced 53 publications. Seven of those publications are book chapters and 46 are publications in scientific journals (44 of which are indexed in either or both of Thompson's Journal Citation Reports, or Scopus JCR and SCIMAGO systems). According to Google Scholar these works have received 1626 citations with h and I10 indexes of 19 and 27, respectively. According to ResearchGate, my research has an "interest" score of 825.3 and is reported to be higher than 91% of the 25 million registered members of ResearchGate and 90% of those listed in Behavioural Science. I am active and visible in my field having been invited to speak at several universities, including Yale University and Cambridge. With regards to professional organizations I have served as the Chairperson of the Program committee for the Eastern Psychological Association, the oldest regional Psychology meeting in the United States, on two different occasions, as well as serving on the Scientific Committee of the Spanish Society for Comparative Psychology.

In my career I have extensive experience in teaching undergraduate students. I have also taught courses at the Masters level and supervised two brief pre-doctoral student stays in my lab and two post-doctoral students. In doctoral programs, I have supervised two PhD dissertations (cum laude with international mention) and I presently have one PhD student working on his dissertation.

Education

Doctor of Philosophy, University of Vermont, Burlington, VT 05406. Psychology, 1997
Thesis: The Context Specificity of Second Learned Information.

Master of Arts, University of Vermont, Burlington, VT 05406. Psychology, 1994

Bachelor of Science, University of Central Arkansas, Conway, AR 72035. Psychology, 1991

Honors

Graduate Teaching Fellow of the Year in Psychology, University of Vermont, 1994

UVM Graduate Teaching Fellow of the Year Nomination, University of Vermont, 1994

Teaching Excellence Award Nomination, University of Central Arkansas, 1999

1st ranking among Ramon y Cajal program applicants in Psychology, 2005.

I3 certification (Spanish Ministry of Science and Innovation), 2010.

“Personal doctor investigador” acreditación (Uniqua (Unibasque)), Oct 14, 2011.

Sexenios (6-year research awards) 1994-1999, 2001-2006, 2007-2012, 2013-2018

Professional Experience

Personal Doctor Investigador Permanente University of the Basque Country, San Sebastian, SPAIN, October 22, 2012- actual

Duties: Design, conduct, analyze, and report original research. Graduate and Undergraduate research supervision.

Investigador Doctor Contratado, University of the Basque Country, San Sebastian, SPAIN, July 28, 2011- October 22, 2012

Duties: Design, conduct, analyze, and report original research. Graduate and Undergraduate research supervision.

Ramon y Cajal Fellow, University of the Basque Country, San Sebastian, SPAIN, June 2006 - 2011

Duties: Design, conduct, analyze, and report original research. Graduate and Undergraduate research supervision. Teaching specialized classes.

Assistant Professor, Psychology Department, College of Charleston, Charleston, SC
August 2004 – 2006

Duties Design, conduct, analyze, and report original research, teaching undergraduate courses, supervising Independent Readings and Independent Research projects, grant writing, college and department committee service.

Assistant Professor, Psychology and Counseling Department, University of Central Arkansas, Conway, AR, August 1997 – June 2004.

Duties: Design, conduct, analyze, and report original research, teaching undergraduate courses, supervising Independent Readings and Independent Research projects, grant writing, extensive college and departmental committee service, undergraduate and graduate advising. Member of the University of Central Arkansas Graduate Faculty.

Research Assistant, National Science Foundation Grant(s) awarded to Mark E. Bouton, University of Vermont, Burlington, VT, August 1996 - June 1997, May 1994 - August 1995, May 1993 - August 1993, August 1991 - August 1992

Duties: Designing, conducting, and reporting research

Laboratory Coordinator, Psychology, University of Vermont, Burlington, VT, August 1995 - May 1997, August 1993 - May 1994.

Duties: Coordinating the laboratory activities for Research Methods and Statistics across Psychology Laboratory sections, development of assessment devices and exercises.

Instructor, Psychology, University of Vermont, Burlington, VT, Summer Sessions 1994, 1996, Spring 1997.

Duties: Teaching Introduction to Psychology

Teaching

(CofC = College of Charleston, UCA = University of Central Arkansas, UVM = University of Vermont, UPV = Universidad del Pais Vasco/University of the Basque Country)

Courses

Comparative Cognition (UPV)
Conditioning and Learning Laboratory (CofC)
General/Introductory Psychology (UCA, UVM)
Honors College: Oxford Tutorial (UCA)
Independent Readings in Psychology (UCA, CofC)
Independent Research in Psychology (UCA)
Research Methods (UCA, CofC)
Research Methods Laboratory (UCA, UVM)
Sensation and Perception (UCA)
Statistics (UCA)
The Psychology of Learning (CofC, UCA)
Trabajo fin de grado (senior theses) (UPV)

Supervision post-doctoral

(2002-2005) Maria del Carmen Sanjuan (University of the Basque Country, Pais Vasco, SPAIN), *Contextual modulation of perceptual learning*. Project conducted at the College of Charleston and the University of Central Arkansas

(2005 Feb - June) José Enrique Callejas (University of Jaén, SPAIN) *The necessity of interference for contextual control*. Project conducted at the College of Charleston

Pre-Doctoral (graduate) supervision

(2009, April-June) Samuel P. Leon (University of Jaén, Spain). Mechanisms of renewal in human participants. Project conducted at the University of the Basque Country.

(2012, Sept-Dec) Alex Aristizabal (University of Jaen, Spain). Eye Tracking and Context. Project conducted at the university of the Basque Country.

Thesis/Dissertation committees

(2009) Spontaneous recovery in Pavlovian fear extinction. H.T. Leung, Graduate Research School, University of New South Wales, Australia.

(2010) Comparacion y procesos atencionales en aprendizaje perceptivo humano, Rocio Angulo, Departamento de Procesos Psicológicos Basicos y su Desarrollo, University of the Basque Country.

(2011) *Estudio de la dependencia contextual de la información en humanos: El papel del valor informativo del contexto y de la experiencia con contextos irrelevantes*. Samuel P. Leon, Tesis Doctoral, Departamento de Psicología Fac. De Humanidades y CC. de la Educación Universidad de Jaén.

(2012) *Variables psicológicas en la cata de aceite de oliva*. Contribuciones desde la psicofísica y la psicología del aprendizaje. María Manuela Moreno Fernández, Departamento de Psicología Fac. De Humanidades y CC. de la Educación Universidad de Jaén.

(2015) *Análisis teórico-experimental de los efectos del cambio de contexto sobre la actuación en el ser humano y la rata de laboratorio*. Alejandro Aristizabal, Departamento de Psicología Fac. De Humanidades y CC. de la Educación Universidad de Jaén.

Doctoral Thesis

(2018) Paula Balea Carbajo, Associative Mechanisms of Transfer of Extinction Across Contexts and Stimuli: Studies on Occasion Setting and Learning to Learn (finalizada Dec 14, 2018, cum laude, mención internacional) *Departamento Procesos Psicológicos Básicos y su Desarrollo, Universidad de País Vasco (UPV/EHU), San Sebastián, España*

(2024) Manuel Aranzubia Olasolo, Latent inhibition and its context specificity. (finalizada May 30, 2024, cum laude, mención internacional) *Departamento Procesos Psicológicos Básicos y su Desarrollo, Universidad de País Vasco (UPV/EHU), San Sebastián, España*

(in progress) Borja Nevada, Stress, extinction, and recovery. *Departamento Procesos Psicológicos Básicos y su Desarrollo, Universidad de País Vasco (UPV/EHU), San Sebastián, España*

Administration

Professional Service

Associate Editor

International Journal of Comparative Psychology-2013-present

Consulting Editor

Journal of Experimental Psychology: Animal Behavior Processes- Oct 2003 through 2012, 2024
Learning & Behavior- Sept 2013 – 2014

Guest Editor

Learning & Behavior (Section: *Perceptions of Perceptual Learning*) – May, 2009

Evaluator

National Institutes of Mental Health B-Start program - January, 2005

City University of New York Grants program - 2004

Catholic University of Leuven, Faculty Research Advancement Committee – 1998

Journal Reviewer

Acta Psychologica

(Animal) Learning & Behavior

Behavioural Processes

Behavior Therapy and Experimental Psychiatry
Biological Psychiatry
Computer Methods and Programs in Biomedicine
International Journal of Comparative Cognition
Journal of Experimental Psychology: Animal Behavior Processes
Animal Learning & Cognition
Learning, Memory, & Cognition
Journal of the Experimental Analysis of Behavior
Learning and Motivation
Learning and Memory
Neural Computation
Psicologica
The Open Addiction Journal
The Quarterly Journal of Experimental Psychology
The Spanish Journal of Experimental Psychology

Session Chair

Annual Meeting of the Eastern Psychological Association, March, 2005
Annual Meeting of the Eastern Psychological Association, March, 2006
Annual Meeting of the Eastern Psychological Association, March, 2007
Annual Meeting of the Eastern Psychological Association, March, 2015
Spanish Society for Comparative Cognition, September, 2011

Meeting Organization

Eastern Psychological Association Program Committee: Chairperson (2007, 2008, 2016, 2017)
Eastern Psychological Association: Program Committee member: (2006- 2008)
Spanish Society of Comparative Psychology: Scientific Committee Member: 2001
Spanish Society of Comparative Psychology: Vice President: 2013
Southwest Educational Research Association (reviewer): 2002

College of Charleston

College

Faculty Welfare Committee – March 2005-May 2006
Institutional Animal Care and Use Committee – March 2005 – May 2006

Department

Advising Committee- Oct 2004 to May 2006
Faculty Development and Evaluation – May 2005 to May 2006
Facilities and Technology – May 2005, to May 2006

Community

Science Fair Judge, Lowcountry regional science and engineering fair- March 2005

University of Central Arkansas Service

University

University Research Council - Oct 2002 to Oct 2003
Health and Wellness Promotion Committee - Aug 1998 to 2003
Academic Computing Advisory Committee - Aug 1998 to Jan 2001

College

Chairperson, College Research Council - Oct 2002 to Oct 2003
Member, College Research Council – Jan 1999 to 2004
Member, Professional Educational Technology committee - Aug 1998 to Jan 1999

Department

Chairperson, Human Subjects Review Board - Aug 1997 to Jan 2000
Member, Human Subjects Review Board - Jan 2000 to May 2001
Member, Faculty Search Committee - Aug 1998 to Jan 1999
Member, Community Counseling Graduate Program Committee - Aug 1997 to August 2003
Member, Undergraduate Advising Committee - Aug 1997 to 2004
Member, Undergraduate Curriculum Committee - Aug 1997 to 2004
Member, Honors in Psychology Committee - Aug 1997 to 2004

Community

Judge, Behavioral and Social Science Category at the State Science Fair - Jan 1999 to 2004
Judge, Behavioral and Social Science Category at the Conway High School Science Fair - Jan 2002 to 2004

Professional Memberships

Spanish Society of Comparative Psychology 1999-present
Scientific Committee Member - 2001
Vice President - 2013

Eastern Psychological Association - Apr 1997 to present
Fellow *inducted 2021*
Board Member (non-voting) and Program Committee Chair 2007, 2008, 2016, 2017

Pavlovian Society 2009-present

Publications

- Liberal, U., Rodriguez, G., Nogueiras, P., Nelson, J.B., Hall, G. (2025). Latent and conditioned inhibition in humans. *Frontiers in Psychology: Comparative Psychology*, 16, doi: 10.3389/fpsyg.2025.1508789
- Nelson, J. B., & Sanjuan, M. D. C. (2025). Extinction induced representational change. *Journal of Experimental Psychology: Animal Learning and Cognition*, 51(1), 35-49.
- Aranzubia-Olasolo, M., Nelson, J. B., & Sanjuán Artegain, M. D. C. (2024). Latent inhibition in humans from simple stimulus exposure. *Journal of Experimental Psychology: Animal Learning and Cognition*. 50(2), 118-130
- Nevado, B., & Nelson, J. B. (2024). Perceived stress and renewal: The effects of long-term stress on the renewal effect. *Neurobiology of Learning and Memory*, 107927.
- Nelson, J. B., Navarro, A., Balea, P., & Sanjuan, M. D. C. (2022). The effects of stimulus pre-exposure and conditioning on overt visual attention. *Journal of Experimental Psychology: Animal Learning and Cognition*, 48(1), 29-45 (Q2 sm)

- Nelson, J.B., Sanjuan, M.C., Duran, J., & Angulo, R. (2021). Response reduction and stimulus pre-exposure effects in a human conditioning method. *Journal of Experimental Psychology: Animal Learning and Cognition*, 47(2), 104-119 (Q2 sm)
- SP León, A Pantoja Vallejo, JB Nelson. (2021). Variability in the accuracy of self-assessments among low, moderate, and high performing students in university education practical assessment, *Research and Evaluation*, 26 (1), 16
- Balea, P., Nelson, J. B., Ogallar, P. M., Lamoureux, J. A., Aranzubia-Olasolo, M., & Sanjuan, M. D. C. (2020). Extinction contexts fail to transfer control: Implications for conditioned inhibition and occasion-setting accounts of renewal. *Journal of Experimental Psychology: Animal Learning and Cognition*, 46(4), 422-442. (Q2 sm)
- Balea, P., & Nelson, J. B. (2020). Intensity effects in human cue-outcome learning. *Behavioural Processes*, 170, 104015. (Q1 sm)
- Ogallar, P. M., Rosas, J. M., Ramos-Álvarez, M. M., Alcalá, J. A., Nelson, J. B., Aranzubia, M., & Callejas-Aguilera, J. E. (2019). Prior extinction increases acquisition context specificity in human predictive learning. *Behavioural processes*, 169, 103984. (Q1)
- Alcalá, J. A., Callejas-Aguilera, J. E., Nelson, J. B., & Rosas, J. M. (2019). Reversal training facilitates acquisition of new learning in a Morris water maze. *Learning & Behavior*, 1-13. (Q3)
- Nelson, J. B., Navarro, A., & del Carmen Sanjuan, M. (2019). Conditioned anticipatory outcome searching in humans. *Behavioural processes*, 164, 237-251. (Q1)
- del Carmen Sanjuan, M., & Nelson, J. B. (2019). Perceptual learning after test-stimulus exposure in humans. *Behavioural processes*, 162, 1-6. (Q1)
- Rosas, J. M., & Nelson, J. B. (2019). Context dependency as a Function of Prediction Error-Based Attention. *Psicológica*, 40, 34-45. (Q2)
- Balea, P., del Carmen Sanjuan, M., & Nelson, J. B. (2018). Learning to learn in conditioning and extinction in humans. *Behavioural processes*, 157, 148-160. (Q1)
- Nelson, J.B., Fabiano, A., & Lamoureux, J.A. (2018) The effects of extinction-aroused attention on context conditioning. *Learning & Memory*, 25, 165-175. (Q1)
- Nelson, J.B., Craddock, P., Molet, M., & Renaux, C. (2017). Recovery of attention with renewal. *Learning & Memory*, 24, 637-640. (Q1)
- Nelson, J.B. (2017). Internationalizing a course in the principles of learning: Challenges and Approaches. In Rich, G.J., Gielen, U., & Takooshian, H., (Eds.) *Internationalizing the teaching of psychology*. Charlotte, NC: Information Age Publishing.
- Rosas, J. M., Gámez, A. M., León, S. P. y Nelson, J. B. (2017). Of rats and people: A select comparative analysis of cue competition, the contents of learning, and retrieval. *International Journal of Psychology and Psychological Therapy*, 17, 223-244. (Q3)

- Nelson, J.B. (2016). *Test bank and instructor's manual: Materials to accompany Learning & Behavior: A contemporary Synthesis* (Au: Mark E. Bouton). Sunderland: MA Sinauer Associates.
- Vadillo, M.A., Orgaz, C., Luque, D., & Nelson, J.B. (2016). Ambiguity produces attention shifts in category learning. *Learning & Memory*, 23, 134-140. (Q1)
- Nelson, J.B. (2016) A robust function to return the cumulative density of non-central F distributions in Microsoft Office Excel. *Psicologica*, 37, 61-83. (Q2)
- Nelson, J.B., & Lamoureux, J.A. (2015). Contextual control of conditioning is not affected by extinction in a behavioral task with humans. *Learning & Behavior*, 43, 163-178. (Q3)
- Craddock, P. Renaux, Lefevre, Nelson, & Molet (2014). Integration of multiple memories in sensory preconditioning. *Behavioural Processes*, 106, 94-97.
Doi:10.1016/j.beproc.2014.09.034 (Q1)
- Nelson, J.B., Navarro, A., & Sanjuan, M.C. (2014). Presentation and validation of The Learning game, a tool to study associative learning in humans. *Behavior Research Methods*. 46, 1068-1078. Doi: 10.3758/s13428-014-0446-2. (Q1)
- Miller, H., Lefebvre, O., Lyon, P., Nelson, J.B. & Molet, M. (2014). A focused attention intervention for preventing the recovery of initial learning. *Cognitive Therapy and Research*. 38, 652-659. Doi: 10.1007/s10608-014-9625-9 (Q1)
- Sanjuan, M.C., Nelson, J.B., & Alonso, G. (2014). An easy-to-hard effect after nonreinforced preexposure in a sweetness discrimination. *Learning & Behavior*, 42, 209-214. Doi: 10.3758/s13420-014-0139-9 (Q2)
- Glautier, S., Elgueta, T., & Nelson, J.B. (2013). Extinction produces context inhibition and multiple context extinction reduces response recovery in human predictive learning. *Learning & Behavior*, 41, 341-352. Doi: 10.3758/s13420-013-0109-7 (Q2)
- Nelson, J.B., Lamoureux, J.A., & Leon, S (2013) Extinction arouses attention to the context in a behavioral suppression task with humans. *Journal of Experimental Psychology: Animal Behavior Processes*, 39(1) 99-105. DOI 10.1037/a0030759 (Q1 sm)
- Nelson, J.B. (2013) *Mechanisms of extinction in emotional regulation*. In: Rime, B., Mesquitea, B., & Hermans, D (Eds) *Changing Emotions*. (pp 60-66) Sussex, United Kingdom: Psychology Press, Taylor Francis Group.
- Nelson, J.B., Gregory, P., & Sanjuan, M.C., (2012). The extinction context enables extinction performance after a change in context. *Behavioural Processes*, 90, 372-377. DOI: <http://dx.doi.org/10.1016/j.beproc.2012.04.001> (Q1)
- Nelson, J. B. (2012). *Effects of physical context change and perceptual learning on generalization*. In N.M. Seel (Ed.) *Encyclopedia of the Sciences of Learning*. (p. 372) New York, NY: Springer Publishing Company.

- Nelson, J.B., Sanjuan, M.C., Vadillo-Ruiz, S., Perez, J., & Leon, S. P. (2011). Experimental renewal in humans. *Journal of Experimental Psychology: Animal Behavior Processes*, 37(1), 58-70. DOI 10.1037/a0020519 (Q1 sm)
- Nelson, J.B., Lombas, S., & Leon, S. P. (2011). Concurrent extinction does not render appetitive conditioning context. *Learning & Behavior*, 39, 87-94 DOI 10.3758/s13420-011-0023-9 (Q2)
- Nelson, J.B., & Sanjuan, M.C. (2009). Perceptual learning in a human conditioned suppression task. *International Journal of Comparative Psychology*, 22, 206-220.
- Nelson, J.B. (2009). Perceptions of perceptual learning (Special section editorial). *Learning & Behavior*, 37, 117, DOI 10.3758/LB.37.2.117 (Q3)
- Nelson, J. B. (2009). Contextual control of first- and second-learned excitation and inhibition in equally ambiguous stimuli. *Learning & Behavior*, 37, 95-106. DOI 10.3758/LB.37.1. (Q3)
- Nelson, J. B., & Sanjuan, M. C. (2008). Flattening generalization gradients, context, and perceptual Learning. *Learning & Behavior*, 36, 279-289. DOI 10.3758/LB.36.4.279 (Q3)
- Nelson, J. B., & Callejas-Aguillera, J.E. (2007). The role of interference produced by conflicting associations in contextual control. *Journal of Experimental Psychology: Animal Behavior Processes*, 33, 314-326. DOI: <http://dx.doi.org/10.1080/174702> (Q1 sm)
- Nelson, J. B., & Sanjuan, M. C. (2006). A context-specific latent-inhibition effect in a human conditioned-suppression task. *Quarterly Journal of Experimental Psychology*, 59, 1003-1020. (Q1)
- Sanjuan, M.C., Alonso, G., & Nelson, J. B., (2006). The contribution of latent inhibition to reduced generalization after pre-exposure to the test stimulus. DOI: 10.1016/j.beproc.2005.09.002 *Behavioural Processes*, 71, 21-28. (Q1)
- García-Gutiérrez, A , Rosas, J.M., & Nelson, J.B., (2005). Extensive interference attenuates reinstatement in human predictive judgments, *International Journal of Comparative Psychology*, 18, 240-248.
- Sanjuan, M.C, Alonso, G., & Nelson, J.B. (2004). Blocked and test-stimulus exposure effects in perceptual learning re-examined. *Behavioural Processes*, 66, 23-33. DOI: <http://dx.doi.org/10.1016/j.beproc.2003.12.001>. (Q1)
- Nelson, J. B. (2002). Context specificity of excitation and inhibition in ambiguous stimuli. *Learning and Motivation*, 33, 284-310. DOI: <http://dx.doi.org/10.1006/lmot.2001> (Q1)
- Nelson, J. B., & Bouton, M.E. (2002). Extinction, inhibition, and emotional intelligence. In L. Feldman-Barrett and P. Salovey (Eds.) *The Wisdom in Feeling: Psychological Processes in Emotional Intelligence*. (pp. 60-85). New York: Guilford Press.
- Nelson, J. B. (2000). Models of action [Review of *Models of Action*]. *Quarterly Journal of Experimental Psychology B*, 53, 87-89. (Q1)

- Bouton, M. E., Nelson, J. B., & Rosas, J. M. (1999). Resolution now! *Psychological Bulletin*, 125, 190-192. DOI: 10.1037/0033-2909.125.2.190 (Q1)
- Bouton, M. E., Nelson, J. B., & Rosas, J. M. (1999). Stimulus generalization, context change, and forgetting. *Psychological Bulletin*, 125, 171-186. DOI: 10.1037/0033-2909.125.2.171 (Q1)
- Bouton, M. E., & Nelson, J. B. (1998). The role of context in classical conditioning: Some implications for cognitive behavior therapy. In W. O'Donohue (Ed.), *Learning and behavior therapy*. (pp. 59-84). Needham Heights, MA: Allyn & Bacon.
- Bouton, M. E., & Nelson, J. B. (1998). Mechanisms of feature-positive and feature-negative discrimination learning in an appetitive conditioning paradigm. In N. Schmajuk & P. Holland (Eds.), *Associative Learning and Cognition in Animals: Occasion Setting*. (pp. 69-112). Washington: APA Publications.
- Nelson, J. B., & Bouton, M. E. (1997). The effects of a context switch following serial and simultaneous feature-negative discriminations. *Learning and Motivation*, 28, 56-84. DOI: <http://dx.doi.org/10.1006/lmot.1997>
- Brooks, D. C., Hale, B., Nelson, J. B., & Bouton, M. E. (1995). Reinstatement after counterconditioning. *Animal Learning & Behavior*, 23, 383-390. DOI: 10.3758/BF03198938
- Bouton, M. E., & Nelson, J. B. (1994). Context-specificity of target vs. feature inhibition in a feature-negative discrimination. *Journal of Experimental Psychology: Animal Behavior Processes*, 20, 51-65. DOI: 10.1037/0097-7403.20.1.51 (Q1)

Presentations

Invited Colloquia

- Nelson, J.B. (2017, February). "Renewal and attention to contexts." Colloquium given to the faculty and students of the Centre de neurosciences Cognitives, French National Centre for Scientific Research, Lyon, France.
- Nelson, J.B. (2009, January). "What the "Renewal Effect" is, is not, and the status of current explanations." Colloquium given to the faculty and students of the Department of Experimental Psychology at Cambridge University, Cambridge, United Kingdom.
- Nelson, J.B. (2009, January). "Defining and explaining the Renewal Effect." Colloquium given to the faculty and students of the University of Nottingham, Nottingham, United Kingdom.
- Nelson, J.B. (2009, January). "The Renewal Effect: The same in humans as in animals." Colloquium given to the faculty and students of the Department of Psychology at the University of Southampton, Southampton, United Kingdom.
- Nelson, J.B. (2009, January). "The Renewal Effect: Definitions and explanations." Colloquium given to the faculty and students at the Department of Psychology, University of York, York, United Kingdom.

Nelson, J.B. (2006, April). "Connectionist models in learning theory." Colloquium given to the faculty and students of the Department of Psychology at the University of Jaen, Jaen, Spain.

Nelson, J.B. (2004, February). "Effects of first- and second-learning on contextual control." Colloquium given to the faculty and students of the Psychology Department at the College of Charleston, Charleston, SC.

Nelson, J.B. (2004, January). "First- and second-learning effects in associative learning." Colloquium given to the faculty and students of the Psychology Department at Queens College, City University of New York, New York, NY.

Nelson, J.B. (2001, February). "The principle of the primacy of first learning and contextual control." Colloquium given to the faculty and students of the Psychology Department at University of California Los Angeles, Los Angeles, CA.

Nelson, J.B. (2000, February). "Contextual control and the principle of the primacy of first learning." Colloquium give to the faculty and students of the Psychology Department at Texas Christian University, Fort Worth, TX.

Nelson, J. B. (1999, April). "Contextual control mechanisms of CS-US associations and their implications for backpropagation neural networks." Colloquium give to the faculty and students of the Behavioral Neuroscience Group at Yale University, New Haven, CT.

Nelson, J. B. (1998, June). "The context specificity of second-learned information." Colloquium give to the faculty and students of the Psychology Department at the University of York, York, UK.

Workshops

Nelson, J.B. (2011). "Working with SMI Eyetrackers: Interfacing with external software and data-analysis strategies." Workshop given to the faculty and students of the Psychology Department of the University of Jaen, SPAIN.

Papers presented

Nelson, J.B. (2023-Oct). Renewal as a model of Contextual Control. Paper presented at the Bouton Research Symposium in honor of Mark E. Bouton. Burlington, VT, USA.

Nelson, J.B., & Sanjuan, M.D.C. (2023-Sept), Reinstatement as a change in arousal. Paper presented at the Annual Meeting of the Spanish Society for Comparative Psychology. Granada, ES.

Nelson, J.B., & Sanjuan, M.D (2023-March). Context Inhibition and Renewal. Paper presented at the 94th Annual meeting of the Eastern Psychological Association, Boston, MA.

Nevado, B & **Nelson, J.B.** (2022-Sept). Chronic stress and renewal: two online studies evaluating the relationship between the Perceived Stress Scale-10 and the renewal effect. Paper presented at the Annual Meeting of the Spanish Society for Comparative Psychology. Almeria, ES.

Nelson, J.B., Navarro, A., Balea, P., Y Sanjuan M.C. (2022) *Context effects on latent inhibition, sign and goal tracking*. Paper presented at the 93rd Annual Meeting of the Eastern Psychological Association. New York, NY.

Aranzubia-Olasolo, M., Nelson, J. B., & Sanjuan, M. C. (2021). Effects of stimulus pre-exposure in humans: latent inhibition and negative transfer. Paper presented at the XXV Gregynog Associative Learning Symposium, Cardiff, Wales, UK.

Aranzubia-Olasolo, M., Nelson, J.B., Sanjuan, M.C., & Lamoureux (2020). The effect of cue-pre-exposure survives conditioning in a multi-outcome video game task. Paper presented at the 91st Annual Meeting of the Eastern Psychological Association, (Virtual Online Meeting). Boston, MA.

Aranzubia-Olasolo, M., Nelson, J.B., & Sanjuan, M.C. (2019 Sept) Effects of stimulus pre-exposure in Humans. Paper presented at the annual meeting of the Spanish Society for Comparative Cognition (Malaga).

Balea, P., Sanjuan, M.C., & Nelson, J.B. (2019 sept). Effects of stimulus intensity on response acquisition and generalization in a behavioral task with humans. Paper presented at the annual meeting of the Spanish Society for Comparative Cognition (Malaga).

Nelson, J.B., Balea, P., & Sanjuan, M.C. (2018). Extinction and explicit contextual discriminations produce similar learning. Paper presented at the 30th Annual Meeting of the Spanish Society for Comparative Psychology, Avila, Spain.

Balea, P., Sanjuan, M.C., Ogallar, P., Lamoureux, J., & Nelson, J.B (2018). Failure of transfer of occasion setting between extinction contexts. Paper presented at the 30th Annual Meeting of the Spanish Society for Comparative Psychology, Avila, Spain

Nelson, J.B., Balea, P., Ogallar Ruiz, P., Fabiano, A., Lamouruex, J.A., & Sanjuan, M.C. (2018 March). Extinction may not result in occasion setting. Paper presented at the 89th Annual Meeting of the Eastern Psychological Association.

Balea, P., Sanjuan, M.D., & Nelson, J.B. (2018 March) Learning to learn in an associative learning task with humans. Paper presented at the 89th Annual Meeting of the Eastern Psychological Association.

Nelson, J.B., Navarro, A., & Sanjuan, M.C. (2017, September). Visual attention in human conditioning. Paper presented at the 29th Annual meeting of the Spanish Society for Comparative Psychology, Oviedo, Spain.

Balea, P., Nelson, J.B., & Sanjuan, M.C. (2017, September). Learning to learn and generalization in human conditioning. Paper presented at the 29th Annual meeting of the Spanish Society for Comparative Psychology, Oviedo, Spain.

Liberal, U., Rodriguez, G., Nelson, J.B., & Hall, G. (2017, September). Assessing the inhibitory properties of a latent inhibitor in a human learning task. Paper presented at the 29th Annual meeting of the Spanish Society for Comparative Psychology, Oviedo, Spain.

- Lamoureux, J.A, Dunstan, J., Fabiano, A., & Nelson, J.B. (2017, March). Prior extinction enhances context conditioning in human predictive learning tasks. Paper presented at the 88th annual meeting of the Eastern Psychological Association, Boston, MA.
- Nelson, J.B., Vadillo, M.A., Orgaz, C., & Luque, D (2015, March). Ambiguity produces attention shifts toward contexts in category learning. Paper presented at the 86th annual meeting of the Eastern Psychological Association, Philadelphia, PA.
- Nelson, J.B., & Lamoureux, J.A. (2014). Contextual control of extinction but not excitation in a suppression task. Paper presented at the 26th annual meeting of the Spanish Society for Comparative Psychology, Braga, Portugal.
- Lamoureux, J.A., Nelson, J.B., Leon, S.P., & Farias, A.J. (2013). Extinction arouses attention to the context, but does not affect contextual control. Annual meeting of the Eastern Psychological Association, New York, New York (EE.UU).
- Nelson, J.B., Aristizabal, A., Duran, J., & Navarro, A. (2013, March). Latent inhibition and attention in a video-game task with humans. Paper presented at the 84th annual meeting of the Eastern Psychological Association, New York City, New York.
- Nelson, J.B. (2012, September). Mechanisms of response recovery with changes in context. Paper presented at the second joint meeting of the Spanish Society for Comparative Psychology and the International Society for Comparative Psychology, Jaen, Spain.
- Nelson, J.B., & Navarro, A. (2011, September). Latent inhibition in human participants is the result of reduced attention to the CS: Support from eye tracking. Paper presented at the XXIII International Congress of the Spanish Society of Comparative Psychology, Granada, Spain.
- Navarro, A., Lamoureux, J., Leon, S. P., & Nelson, J.B. (2011, September). Extinction produces neither context specificity nor enhanced attention to contexts in a conditioned suppression task with humans. Paper presented at the XXIII International Congress of the Spanish Society of Comparative Psychology, Granada, Spain.
- Nelson, J.B., (2010, April). Extinction does not generally change context processing. Paper presented at the 1st Joint meeting of the Experimental Psychological Society and the Spanish Society for Experimental Psychology, Granada, Spain.
- Nelson, J. B. (2010, March). The Renewal Effect: A summary of theoretical and clinical issues. Paper presented at the 81st annual meeting of the Eastern Psychological Society, New York, New York.
- Nelson, J. B., & Leon, S. P. (2010, March). Renewal without general contextual control in a behavioral task with humans. Paper presented at the 81st annual meeting of the Eastern Psychological Society, New York, New York.
- Leon, S. P. & Nelson, J.B. (2009, September). Experimental renewal in human participants: Paper presented at the 21st annual meeting of the Spanish Society for Comparative Psychology, Salamanca, Spain.

- Nelson, J.B., & Lombas, S. (2008, September). Effects of extinction on the contextual control of non-extinguished stimuli. Paper presented at the 20th annual meeting of the Spanish Society for Comparative Psychology, Bilbao, Spain.
- Lombas, S., Angulo, R. Rodríguez, G., Nelson, J. B., Iraola, J., Sanjuan, M. C., Arriola, N., & Alonso, G. (2008). Aprendizaje perceptivo en humanos: El papel del programa de preexposición y del feedback / Human perceptual learning: Roles of preexposure schedule and feedback. Paper presented at the 20th annual meeting of the Spanish Society for Comparative Psychology, Bilbao, Spain.
- Nelson, J.B., & Sanuan, M. C (2007, September). Contextual control of perceptual learning as a mechanism of flattening generalization gradients. Paper presented at the 19th annual meeting of the Spanish Society for Comparative Psychology, Madrid, Spain.
- Nelson, J.B., & Callejas, J. E., (2006, March). The effects of interference on contextual control. Paper presented at the annual meeting of the Eastern Psychological Association, Baltimore, MD.
- Callejas, J. E., & Nelson, J.B. (2005, September). The necessity of interference for contextual control in human predictive learning. Paper presented at the 17th congress of the Spanish Society for Comparative Psychology, Madrid, Spain.
- Nelson, J.B., (2005 March). Renewal in human subjects with tests of the associative value of the contexts. Paper presented at the annual meeting of the Eastern Psychological Association, Boston, MA.
- Alonso, G., Hall, G., Nelson, J.B., Chotro, G., Iraola, J., Rodriguez, G., Sanjuan, M.C., Arias, C., & Angulo, R. (2005). Aprendizaje de exposicion a estímulos: efectos de inhibicion latente y de aprendizaje perceptivo. Paper presented at 1^{as} Jornadas de Investigacion de la Facultad de Psicología, San Sebastian, Spain.
- Nelson, J.B., & Sanjuan, M.C., (2004, February). "Context effects on latent inhibition and renewal in a human conditioning task." Paper presented at the Annual Winter Conference on Animal Learning and Behavior, Winter Park, Colorado.
- Sanjuan, M.C., & Nelson, J. B. (2004, February). "Perceptual learning, flattening gradients, and contextual change." Paper presented at the Annual Winter Conference on Animal Learning and Behavior, Winter Park, Colorado.
- García-Gutiérrez, A , Nelson, J.B., Rosas, J.M (2003, September) "Comparative analysis of the reinstatement effect by the presentation of the original outcome, and by the presentation of the interfering outcome after different levels of interference in causal learning." Paper presented at the XVth Congress of the Spanish Society of Comparative Psychology, Barcelona, Spain.
- Nelson, J. B. (2001, June). "Human conditioning methods." Presentation given to the faculty and students of Basic Processes in Psychology at the University of the Basque Country, Spain.
- Nelson, J.B. (2001, April). "Contextual control of second-learned associations in equally ambiguous stimuli." Annual Meeting of the Eastern Psychological Association, Washington, DC.

- Nelson, J. B., (2000, June) "Inhibition and contextual control." Presentation given to the faculty and students of Basic Processes in Psychology at the University of the Basque Country, Spain.
- Nelson, J. B. (2000, September). "Context specificity of second-learned excitation in equally ambiguous stimuli." XIIth Congress of the Spanish Society of Comparative Cognition, Granda, Spain.
- Killingsworth, J., & Nelson, J. B. (2000, April). "The role of image training in sensory pre-conditioning." XVIth Annual Arkansas Symposium for Psychology Students, Jonesboro, AR.
- Nelson, J. B. (1999, September). "The effects of outcome upshifts in human conditioning." XIth Congress of the Spanish Society of Comparative Cognition, Jaen, Spain.
- Nelson, J. B., & Bouton, M. E. (1998, April). "A role for a context-dependent second association in feature-positive discriminations." Annual Meeting of the Eastern Psychological Association, Boston, MA.
- Bihm, E., Lammers, B., Nelson, J. B., & Tie, P. (1998, January). "Experimental lab students as scientists: Lessons from cognitive science." Annual Meeting of the Southwestern Psychological Association, New Orleans, LA.
- Bouton, M. E., Nelson, J. B. (1997, May). "Are feature-negative and feature positive discriminations psychological opposites?" Duke Conference on Occasion Setting, Duke University, Durham, NC.
- Nelson, J. B., & Bouton, M. E. (1997, April). "Context specificity and the sequential order of memories." Annual Meeting of the Eastern Psychological Association, Boston, MA.
- Bouton, M. E., Nelson, J. B., & Rosas, J. M. (1997, March). "Paradox lost: Generalization gradients that flatten over time and their implications of a context-change account of forgetting." International Conference on Comparative Cognition, Melbourne, FL.
- Bouton, M. E., & Nelson, J. B. (1995, July). "Context, extinction, and inhibition." First Annual Meeting of the Australian Learning Group, Townsville, Queensland, Australia.
- Nelson, J. B., & Bouton, M. E. (1995, April). "The effects of context on inhibition following serial and simultaneous feature negative discrimination training." Eastern Psychological Association, Boston, MA.
- Brooks, D. C., Hale, B., Nelson, J. B., & Bouton, M. E. (1994, April). "Reinstatement after counterconditioning." Eastern Psychological Association, Providence, RI.
- Nelson, J. B. & Bouton, M.E. (1994, March). "Effect of context on inhibition arising from serial and simultaneous feature-negative discriminations." International Conference on Comparative Cognition, Melbourne, FL.

Bouton, M.D., Nelson, J.B., & Ricker, S.T. (1993, January). "Context and memory retrieval: Some new relationships between extinction and conditioned inhibition." Canadian Brain Behavior, and Cognition Society, Toronto, CA.

Bouton, M. E., & Nelson, J. B. (1992, November). "Context-specificity of target vs. feature inhibition in a feature-negative discrimination." Meeting of the Psychonomic Society, St. Louis, MO.

Posters

Nevada Bargados, B., Nelson, J.B. (2022-March) Stress and renewal: Relationship between perceived stress and renewal, an online experiment. Poster presented at the 93rd Annual Meeting of the Eastern Psychological Association, New York, NY.

Aranzubia, M., Sanjuan, M.C., Nelson, J.B., (2018-Sept) Associative learning in humans: Latent inhibition and its context specificity. Poster presented at the 30th Annual Meeting of the Spanish Society for Comparative Psychology, Avila, Spain.

Lamoureux, J.A., Fabiano, A., & Nelson, J.B. (2018, March). Cue duration affects response rate in a human associative learning task. Poster presented at the 89th Annual Meeting of the Eastern Psychological Association.

Nelson, J.B., & Lamoureux, J.A. (2016, September). The effects of extinction on context conditioning. Poster presented at the Annual Meeting of the Pavlovian Society, Jersey City, New Jersey.

Balea, P., Lamoureux, J.A., & Nelson, J.B (2016 March). Responding eliminated by extinction or an explicit discrimination is recovered in ABC renewal. Poster presented at the 87th annual meeting of the Eastern Psychological Association, New York, New York.

Sanjuan, M.D.C., & Nelson, J.B. (2016 March). Stimulus similarity, habituation, and context in human latent inhibition. Poster presented at the 87th annual meeting of the Eastern Psychological Association, New York, New York

Lamoureux, J.A., Hidalgo, G.M., & Nelson, J.B. (2014). Extinction learning is context specific while not affecting contextual control of excitation. Poster presented at the 85th annual meeting of the Eastern Psychological Association, Philadelphia, PA.

Nelson, J.B., Navarro, A., & Leon, S.P. (2011, September). Learning what, when, and where in an associative learning framework. Poster presented at the 17th meeting of the European Society for Cognitive Science, San Sebastian, Spain.

Rosas, J.M., Leon, S.P., Callejas-Aguilera, J.E., Nelson, J.B (2010). Transfer of non-extinguished CSs to new contexts after extinction: Comparative results in humans and rats. Poster presented at the 14th Biennial meeting of the International Society for Comparative Psychology, Hyogo, Japan.

Nelson, J.B., Lombas, S., & Leon, S.P (2009) October. The interesting effect of extinction on the transfer of non-extinguished CSs to new contexts in appetitive conditioning with rats. Poster presented at the 2009 meeting of the Pavlovian Society, Burlington, VT.

Rodriguez, G., Lombas, S., Angulo, R., Sanjuan, M.C., Nelson, J. B., Iraloa, J., Arriola, N., Diaz Cenzano, E., Chotro, G., & Alonso, G. (2008). Perceptual learning in humans: Roles of preexposure Schedule and feedback. Poster presented at the 14th Biennial scientific meeting of the International Society for Comparative Cognition. Buenos Aires, Argentina.

Nelson, J.B., & Sanjuan, M.C., (2004) April, "Contextual control of perceptual learning in a human conditioning task." Poster presented at the annual meeting of the Eastern Psychological Association, Washington, DC.

Nelson, J. B. & Sanjuan, M. C. (2003, March). "Latent inhibition and perceptual learning in a human conditioning task." Poster presented at the Annual Meeting of the Eastern Psychological Association, Baltimore, MD.

Research Support

Extramural

Nelson, J.B., & Sanjuan, M.C (2024-2027). Extincion, Inhibicion, 7 cambios representacionales en contextual control (PID2023-149399NB-C22) Awarded 64,250.00 (direct + indirect) Ministerio de Ciencia, Innocvacion, y Universidades

Nelson, J. B., & Sanjuan, M.C. (2019-2022). El papel del arousal y la atencion en el control contextual en animales humanos y No humanos. (PGC2018-097769-B-C21) Awarded 64,251€ (direct + indirect) Ministerio de Ciencia, Innocvacion, y Universidades.

Nelson, J. B., & Sanjuan, M.C. (2015-2018). Condiciones antecedentes y mecanismos de control contextual del aprendizaje (PSI 2014-52263-C2-2-P). Awarded 54450€ (direct + indirect)

Alonso, G., Nelson, J.B., & Chotro, G. (2013-2018). Aprendizaje, Percepción, Atención, Memoria y Desarrollo. Grupo Consolidado del Gobierno Vasco, Tipo A (**IT694-13**). Awarded 167.998 €

Alonso, G., Chotro, G., & Nelson, J.B. (2012-2015). Procesos y mecanismos perceptivos, atencionales y de memoria en el aprendizaje por exposicion a estímulos. Ministerio de Ciencia e Innovación. **PSI2011-24231**. Awarded, 105270 €

Nelson, J.B. (2011). Working with SMI Eyetrackers: Interfacing with external software and data-analysis strategies. Workshop funding Awarded, 885 €

Nelson, J.B. (2011). Learning what, when, and where in an associative learning framework. Presentation award from Sensormotoric Instruments (SMI Vision). Presentation funding Awarded, 275 €

Chotro, G., Alonso, G., & Nelson, J.B. (2007-2012). Aprendizaje por exposición a estímulos: Fenómenos y mecanismos de aprendizaje perceptivo. Grupo Consolidado de Investigación del Gobierno Vasco . IT-276-07 Awarded 240,369 €

Alonso, G., Chotro, G., & Nelson, J.B. (2009-2011). Exposición a los estímulos: fenómenos y mecanismos de aprendizaje perceptivo. Ministerio de Ciencia e Innovación. Ministerio de Ciencia e Innovación. **Psi2008-00412/PSIC** Awarded 121,000 €

Nelson, J.B. (2006-2008) "Sequence of learning, interference, and losses of new information in contextual control" Ramon y Cajal program startup funds. Spanish Ministry of Science and Innovation. Awarded 15,000 €

Nelson, J.B. (2003 - 2006) "Contextual control of second-learned associations" National Institutes of Health (NIMH 1 R15 MH65249-01A1 & 01A2) Awarded \$125,159

Killingsworth, J. & Nelson, J.B. (1999) "The role of image conditioning in sensory preconditioning." SILO/SURF Advisory Council on Undergraduate Research Awarded \$2,625

Intramural

Nelson, J.B. (2002). "Effects of continuous and intermittent noise on fear and aggression." University of Central Arkansas Research Council.
Awarded: \$3,820.

Nelson, J.B. (1998) "Context specificity of second associations in ambiguous stimuli." University of Central Arkansas Research Council.
Awarded: \$15,229

Nelson, J.B. (1998) "Context specificity of second associations in ambiguous stimuli." University of Central Arkansas, Psychology Department and College of Education.
Awarded: \$6,000

Travel Awards (intramural)

Nelson, J. B. (2001) University of Central Arkansas College Research Council.
Awarded: \$400

Nelson, J. B. (2001) University of Central Arkansas College of Education Professional Education Unit.
Awarded: \$450

Nelson, J. B. (2000) University of Central Arkansas Faculty Development Council.
Awarded: \$365

Nelson, J. B. (1999) University of Central Arkansas, Faculty Development Council. Awarded: \$345