Curriculum Vitae Moriel Zelikowsky, Ph.D moriel.zelikowsky@neuro.utah.edu www.zelikowskylab.com

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2006-2011	Graduate Studies: University of California, Los Angeles Ph.D. in Psychology (<i>Learning & Behavior, Behavioral Neuroscience</i>)
2001-2005	Undergraduate Studies: University of California, Los Angeles B.A. in Philosophy. Graduated <i>Cum Laude</i>
1997-2001	High School: Los Angeles Center for Enriched Studies, Los Angeles (Math and Sciences Magnet). Graduated <i>High Honors</i>

POSITIONS

2019-Present 2014	Assistant Professor, Dept. of Neurobiology, University of Utah Course Instructor, Dept. of Biology and Biological Engineering, Caltech
2012-2019	Postdoctoral Fellow, Dept. of Biology and Biological Engineering, Caltech (<i>David J. Anderson Lab</i>)
2006-2011	Graduate Researcher, Dept. of Psychology, UCLA (Michael Fanselow Lab)

FELLOWSHIPS/AWARDS

 Klingenstein-Simons Fellowship Award Alfred P. Sloan Research Fellow in Neuroscience Ann Kelley Memorial Travel Fellow Award, Winter Conference on Brain Research NIMH K99/RO1 Pathway to Independence Award (2016-2023) LOREAL for Women in Science Award NARSAD Young Investigator Award (2016-2018) National Science Foundation, Postdoctoral Research Fellowship (2013-2015) James McKeen Cattell Award for Best Dissertation, New York Academy of Sciences
2012 Gengerelli Distinguished Dissertation Award for Best Dissertation in Psychology
Top-10 Most Cited Articles Award, Behavior Research and Therapy
2012 International Behavioral Neuroscience Society Travel Award
2011 American Psychological Association (APA) Dissertation Research Award
2011 Society for Neuroscience, Graduate Student Travel Award
2011 Gordon Research Conference on the Amygdala Travel Award
2011 Brain Research Institute, UCLA - SfN Travel Award
2010 Dissertation Year Fellowship Award, Psychology Department, UCLA
2010 Charles F. Scott Endowed Graduate Fellowship, UCLA
2010 Best Basic Science Poster Award, Center for Neurobiology of Stress, UCLA
2009 Best Poster Award, Pavlovian Society Annual Meeting, Burlington, Vermont
2009 Research Mentorship Award, Department of Psychology, UCLA
2009 Graduate Summer Research Mentorship Award, Graduate Division, UCLA
National Science Foundation (NSF) EAPSI Graduate Fellowship, co-sponsored
by the Australian Academy of Science
2009 Extramural Incentive Award, Department of Psychology, UCLA
2007 Research Mentorship Award, Graduate Division, UCLA

2007 Extramural Incentive Award, Department of Psychology, UCLA
 2006 Distinguished Achievement Fellowship, Graduate Division, UCLA
 2006 Eugene Cota-Robles Graduate Fellowship, Graduate Division, UCLA

2006 National Deans List

PUBLICATIONS

- Segalin C, Williams J, Karigo T, Hui M, **Zelikowsky M**, Sun JJ, Perona P, Anderson DJ, Kennedy A. The Mouse Action. Recognition System (MARS): a software pipeline for automated analysis of social behaviors in mice. *ELife* (2021).
- Torres ERS, Stanojlovic M, **Zelikowsky M**, Bonsberger J, Hean S, Mulligan C, Baldauf L, Fleming S, Masliah E, Chesselet MF, Fanselow MS, Richter F. Alpha-synuclein pathology, microgliosis, and parvalbumin neuron loss in the amygdala associated with enhanced fear in the Thy1-aSyn model of Parkinson's disease. *Neurobiology of Disease* (2021).
- Marvar PJ, Andero R, Hurlemann R, Lago TR, **Zelikowsky M**, Dabrowska J. Limbic Neuropeptidergic Modulators of Emotion and Their Therapeutic Potential for Anxiety and Post-traumatic Stress Disorder. **Journal of Neuroscience** (2021).
- Love J & **Zelikowsky**, **M**. Stress Varies Along the Social Density Continuum. *Frontiers in Systems Neuroscience* (2020).
- **Zelikowsky M**, Ding K, Anderson DJ. Neuropeptidergic control of an internal brain state produced by prolonged social isolation stress. *Cold Spring Harb Symp Quant Biol* (2019).
- **Zelikowsky M**, Hui M, Karigo T, Yang B, Blanco M, Beadle K, Gradinaru V, Deverman BE, Anderson DJ. The neuropeptide Tac2 controls a distributed brain state induced by chronic social isolation stress. *Cell* (2018).
 - *Reviewed in *Nature* (News and Views): Zilkha N, Kimchi T. A molecular signature for social isolation identified in the brain. *Nature* (2018).
 - *Highlighted in *Cell* (Preview): Rodriguez-Romaguera J, Stuber GD. Social Isolation Co-opts Fear and Aggression Circuits. *Cell* (2018).
- Remedios R*, Kennedy A*, **Zelikowsky M**, Grewe B, Schnitzer M, Anderson DJ. Social behaviour shapes hypothalamic neural ensemble representations of conspecific sex. *Nature* (2017).
- Kunwar P, **Zelikowsky M**, Remedios R, Cai H, Yilmaz M, Meister M, Anderson DJ. Ventromedial hypothalamic neurons control a defensive emotion state. *eLife* (2015).
- Hong W, Kennedy A, Burgos-Artizzu XP, **Zelikowsky M**, Navonne SG, Perona P, Anderson DJ. Automated Measurement of Mouse Social Behaviors Using Depth Sensing, Video Tracking, and Machine Learning. **Proceedings of the National Academy of Sciences** (2015).
- **Zelikowsky M**, Chawla M, Hersman S, Barnes CA, Fanselow MS. Neuronal ensembles in amygdala, hippocampus and prefrontal cortex track differential components of contextual fear. *Journal of Neuroscience* (2014).

- Fanselow MS, **Zelikowsky M**, Perusini J, Rodriguez-Barrera V, & Hersman S. Isomorphisms between psychological processes and neural mechanisms: from stimulus elements to genetic markers of activity. **Neurobiology of Learning and Memory** (2014).
- **Zelikowsky M**, Bissiere S, Hast TA, Bennett RZ, Abdipranato A, Vissel B & Fanselow MS. Prefrontal microcircuit underlies contextual learning after hippocampal loss. **Proceedings of the National Academy of Sciences** (2013).
- **Zelikowsky M,** Hast TA, Bennett RZ, Merjanian M, Nocera, NA, Ponnusamy R, Fanselow MS. Cholinergic blockade frees fear extinction from its contextual dependency. **Biological Psychiatry** (2013).
- **Zelikowsky M**, Bissiere S, Fanselow, MS. Contextual fear memories formed in the absence of the dorsal hippocampus decay across time. **Journal of Neuroscience** (2012).
- Halladay L, **Zelikowsky M**, Blair HT, Fanselow MS. Reinstatement of extinguished fear by an unextinguished conditional stimulus. *Frontiers in Behavioral Neuroscience* (2012).
- **Zelikowsky M,** Pham, D, Fanselow, MS. Temporal factors control hippocampal contribution to fear renewal. *Hippocampus* (2012).
- Bissiere S, **Zelikowsky M**, Ponnusamy R, Jacobs NS, Blair HT, Fanselow MS. Electrical synapses control hippocampal contributions to fear learning and memory. **Science** (2011).
- Krasne, F, Fanselow, MS, **Zelikowsky M**. Design of a neurally plausible fear learning model. *Frontiers in Behavioral Neuroscience* (2011).
- **Zelikowsky M** & Fanselow MS. Conditional analgesia, negative feedback & error correction. Associative Learning and Conditioning: Human and Animal Applications (eds Schachtman TR & Reilly SS). **Oxford University Press** (2011).
- **Zelikowsky M** & Fanselow MS. Opioid regulation of Pavlovian overshadowing in fear conditioning. **Behavioral Neuroscience** (2010).
- Craske MG, Kircanski K, **Zelikowsky M**, Mystkowski J, Chowdhury N, Baker A. Optimizing inhibitory learning during exposure therapy. **Behavioral Research and Therapy** (2008).

INVITED TALKS (Selected)

Dec 2021	ACNP, Symposium Speaker, Puerto Rico
Nov 2021	Society for Neuroscience, Symposium Speaker (Virtual)
June 2021	International Behavioral Neuroscience Society, Annual Meeting (Virtual)
Jan 2021	Global Connectome, Society for Neuroscience (Virtual)
Dec 2020	Vitae, University of Utah (Virtual)
Oct 2020	Bioscience Symposium, University of Utah (Virtual)
Jan 2020	Winter Conference on Brain Research, Big Sky, Montana
Jan 2020	Winter Conference on Learning and Memory, Park City, UT
Oct 2019	Pavlovian Society Meeting, Vancouver, B.C., Canada

Sep 2019	Dept. of Neurobiology and Anatomy Retreat, University of Utah
Mar 2019	Institute of Advanced Studies, City University of Hong Kong, Hong Kong, China
Nov 2017	World Congress of Science and Factual Producers, San Francisco, CA
Nov 2017	Cedars-Sinai Alumni Association Monthly Lecture Series, Los Angeles
Oct 2017	Pavlovian Society Meeting, Philadelphia, PA *Speaker & Symposium Organizer
Aug 2017	Amygdala GRS, Stonehill College, MA *Conference Co-Chair
May 2017	Canadian Microscopy & Cytometry Symposium, Montreal, Canada
Feb 2017	Winter Conference on Brain Research, Big Sky, Montana
Aug 2015	Gordon Research Conference – Amygdala in Health and Disease, Boston, MA
May 2015	NIMH Seminar Series: New Discoveries in Mental Health Research, NIMH,
	Bethesda, Maryland
Mar 2015	Neurolunch, Caltech, Pasadena, CA
June 2013	6 th annual MCCS-Asia Symposium, Kyoto, Japan
May 2012	International Behavioral Neuroscience Society Meeting, Hawaii
Sep 2011	Pavlovian Society Conference, University of WI, Milwaukee
Apr 2011	Symposium Series Speaker, Korea University, Seoul, Korea
Apr 2011	Neuroscience Seminar, Seoul National University, Seoul, Korea
July 2010	4 th International Meeting of the Australian Learning Group, Darwin, AU
June 2010	World Congress of Behavioral and Cognitive Therapies, Boston, MA
Apr 2010	Center for the Neurobiology of Learning and Memory Meeting, UC Irvine
Aug 2009	Australian Learning Group, University of New South Wales, Sydney
July 2009	The Garvan Institute of Medical Research, Sydney, AU

SERVICE, DIVERSITY, OUTREACH

2021-Present 2021-Present 2021-Present 2020-Present	Associate Editor, Oxford Open Neuroscience (Oxford University Press) University of Utah, Neuroscience Directorate Member Rural and Underserved Utah Training Experience (Ruute), Mentor University of Utah, Neuroscience Program PhD Admissions Committee, *Co-Chair
2020-Present	Editorial Board Member, Frontiers in Behavioral Neuroscience
2020-Present	Undergraduate Research Opportunity (UROP) mentor, University of Utah
2019-Present	Faculty Advisor, Student Career Committee, Biosciences Program, University of Utah
2019-2022	University of Utah, MD-PhD Admissions Committee
2019-Present	Utah Women in Neuroscience (UWiN), Co-Founder and Organizer
2019	Diversity & Women in Science Panel Speaker, Neurobiology & Anatomy Departmental Retreat, U Utah
2017	Gordon Research Seminar on the Amygdala, Co-Chair
2017-2019	Chen Women in Neuroscience Initiative, Chen Neuroscience Institute, Caltech.
2016, 2017	HHMI EXROP program, <i>Mentor</i>
2016	LOREAL for Women in Science Inner City Elementary School Outreach, NJ
2014-2015	Amygdala SfN Social, <i>Co-Chair</i>
2014	Panel Speaker at Underrepresented Graduate Students in Psychology Alumni
0040 0047	Conference, UCLA, Los Angeles, CA
2013-2017	Executive Board Member, Pavlovian Society, Elected Official
2013	Guest Editor, International Behavioral Neuroscience Society Newsletter
2013	Organizer, Echo Horizon Elementary School and Echo Center for Hearing
	Impaired Children, Science Outreach, Caltech

Moriel Zelikowsky, Ph.D. Curriculum Vitae

2012-2014 Women Mentoring Women, Caltech, *Mentor*

2011-Present Women in Learning, *Founder and organizer (www.womeninlearning.com)
2007 Cota-Robles Panel Speaker, Broadening the Participation of Underrepresented

Minorities, UCLA