

Nichole R. Kryla Lighthall

Curriculum Vitae

Davis School of Gerontology, University of Southern California

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Education

- 2012 (expected) University of Southern California, Ph.D., Gerontology
- 2006-2007 UC Santa Cruz, Ph.D., Cognitive Psychology (transferred)
- 2003 UC Berkeley, B.A., Psychology, with distinction

Scholarships & Honors

- 2011-2012 NIA Individual National Research Service Award, Predoctoral Fellowship, F31AG038137
- 2011 NIMH Summer Institute in Cognitive Neuroscience Fellowship
- 2010 University of Southern California, Graduate and Professional Student Senate Poster Symposium, Honorable Mention
- 2007-2010 NIA Institutional National Research Service Award, Predoctoral Fellowship
- 2007-2010 Veterans of Foreign Wars, Academic Scholarship
- 2007 NIMH Summer Training on Aging Research Topics – Mental Health, Graduate Fellowship
- 2007 NSF Graduate Research Fellowship, Honorable Mention
- 2006 Stanford University, Institute for Research on Women and Gender, Scholarship for Woodhull Institute Ethical Leadership Retreat
- 2003 NIMH Summer Training on Aging Research Topics – Mental Health, Undergraduate Fellowship
- 2003 UC Berkeley, Psychology Department, Distinguished Service Award
- 2003 UC Berkeley, Dean's List
- 2003 UC Berkeley, Cal Bears Scholarship

Publications

Lighthall NR, Mather M. (in preparation). Response to cold pressor stress in younger and older adults.

Mather M, **Lighthall NR**. (in revision). Risk and reward are treated differently in decisions made under stress.

- Lighthall NR**, Gorlick MA, Schoeke A, Frank MJ, Mather M. (in revision). Stress modulates reinforcement learning in younger and older adults.
- Lighthall NR**, Sakaki M, Vasunilashorn F, Nga L, Somayajula S, Chen EY, Samii N, Mather M. (2011). Gender differences in reward-related decision processing under stress. *Social Cognitive and Affective Neuroscience*. doi: 10.1093/scan/nsr026
- Mather M, **Lighthall NR**, Nga L, Gorlick MA (2010). Sex differences in how stress affects brain activity during face viewing. *NeuroReport* 21:933-937.
- Lighthall NR**, Mather M, Gorlick MA (2009). Acute stress increases sex differences in risk seeking in the Balloon Analogue Risk Task. *PLoS ONE* 4(7):e6002. doi:10.1371/journal.pone.0006002
- Mather M, Gorlick MA, **Lighthall NR**. (2009). To brake or accelerate when the light turns yellow? Stress reduces older adults' risk taking in a driving game. *Psychological Science* 20:174-176.
- Kryla-Lighthall N**, Mather M. (2009). The role of cognitive control in older adults' emotional well-being. In V. Bengtson, M. Silverstein, N. Putney, and D. Gans (Eds.) *Handbook on Theories of Aging* (pp. 323-344). New York: Springer Press.
- O'Hara R, Schröder C, Kraemer H, **Kryla N**, Cao C, Miller E, Schatzberg A, Yesavage J, Murphy G. (2005). Nocturnal sleep apnea/hypopnea is associated with lower memory performance in APOE e4 allele carriers. *Neurology* 64:642-44.

Presentations

- Lighthall NR**, Mather M, Frank MJ, Gorlick MA, Schoeke A. (2011). Stress modulates reinforcement learning in younger and older adults. *Cognitive Neuroscience Society*. San Francisco, CA.
- Lighthall NR**, Sakaki M, Vasunilashorn S, Nga L, Gorlick MA, Somayajula S, Mather M. (2010). Stress effects on risk- and reward-related decision processing are modulated by sex. *Association for Psychological Science Annual Convention*. Boston, MA.
- Lighthall NR**, Sakaki M, Vasunilashorn S, Somayajula S, Mather M. (2010). Stress alters reward-related decision processing but effects are modulated by sex. *University of Southern California, Graduate and Professional Student Senate Poster Symposium*. Los Angeles, CA.
- Lighthall NR**, Sakaki M, Vasunilashorn S, Somayajula S, Nga L, Mather M. (2009). Stress modulates sex differences in BOLD response and behavior during decision making. *Society for Neuroeconomics*. Evanston, IL.
- Lighthall NR**, Sakaki M, Vasunilashorn S, Somayajula S, Chen E, Mather M. (2009). Sex differences in stress effects on brain activation and behavior during risk taking. *Cognitive Neuroscience Society Annual Meeting*. San Francisco, CA.

- Lighthall NR**, Mather M. (2008). Physiological response to the cold pressor task in younger and older adults. *Gerontological Society of America Annual Meeting*. National Harbor, MD.
- Kryla-Lighthall NR**, Gorlick M, Granger D, Mather M. (2008). Stress and emotional memory: Two stress systems with different effects? *Association for Psychological Science Annual Convention*. Chicago, IL.
- Kryla-Lighthall N**, Gorlick M, Mather M. (2007). The ties that bind: The impact of stress on memory binding in aging. *Summer Training on Aging Research Topics in Mental Health (START-MH) Fellowship Program*. La Jolla, CA.
- Schröder CM, **Kryla N**, Barilov Y, O'Hara R. (2006). Interaction of sleep apnea, cortisol and APOE on cognition in older adults. *International College of Geriatric Psychoneuropharmacology Annual Meeting*. Hiroshima, Japan.
- O'Connor L, Berry J, **Kryla N**, Mascardo T, Yi E, Wilson D, Schloss P. (2004). Survivor guilt: Surpassing siblings, friends, or strangers. *American Psychological Association Convention*. Honolulu, Hawaii.
- Kryla N**, O'Hara R, Miller T, Zernik D, Kraemer H, Yesavage J, Schatzberg A, Tinklenberg J, Murphy G. (2003). Apolipoprotein E genotype moderates the impact of cortisol and DHEA on cognition in Alzheimer's disease patients. *Summer Training on Aging Research Topics in Mental Health (START-MH) Fellowship Program*. La Jolla, California.

Professional Experience

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| 2007 | Graduate Research Fellow, NIMH Summer Training on Aging Research Topics – Mental Health
Department of Psychology, UC Santa Cruz
Dr. Mara Mather, supervising faculty |
| 2004-2006 | Research Assistant and Project Coordinator
Department of Psychiatry, Stanford University
Dr. Ruth O'Hara, primary investigator |
| 2006 | Assistant Director, Mental Illness Research, Education, and Clinical Centers Special Fellowship Program in Advanced Psychiatry and Psychology
VISN 21: Sierra Pacific Network, Department of Veterans Affairs, Palo Alto, CA
Dr. Ruth O'Hara, associate director |
| 2003 | Undergraduate Research Fellow, NIMH Summer Training on Aging Research Topics – Mental Health
Department of Psychiatry, Stanford University
Dr. Ruth O'Hara, supervising faculty |

Teaching Experience

- 2010 Guest Lecturer, *Information Processing Across the Lifespan*, Lifespan
Developmental Psychology (Gero 520)
Department of Gerontology, University of Southern California
- 2010 Teaching Assistant, Lifespan Developmental Psychology (Gero 520)
Department of Gerontology, University of Southern California
Dr. Cleopatra Abdou, supervising faculty
- 2006 Teaching Assistant, Adult Development and Aging (Psych 109)
Department of Psychology, UC Santa Cruz
Dr. Wendy Martyna, supervising faculty
- 2003 Course Facilitator, How to Get into Grad School (Psych 198)
Democratic Education Program
Department of Psychology, UC Berkeley
Dr. Roldolfo Mendoza-Denton, supervising faculty
- 2002 Course Facilitator, How to Get into Grad School (Psych 198)
Democratic Education Program
Department of Psychology, UC Berkeley
Dr. Dacher Keltner, supervising faculty

Professional Service

- Reviewer Student Grant Competition, Association of Psychological Science
- Ad Hoc Reviewer Physiology and Behavior
- Coordinator Writing Club, University of Southern California, Department of
Gerontology
- Vice President Associated Students of Psychology, UC Berkeley, Department of
Psychology

Professional Society Affiliations

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| Association for Psychological Science | Psi Chi Honor Society (Psychology) |
| Cognitive Neuroscience Society | Sigma Phi Omega Honor Society (Gerontology) |
| Gerontological Society of America | Society for Neuroeconomics |