

Stephanie Oleson, M.A.

University of Texas at Austin
Clinical Neuroscience Laboratory
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EDUCATION

San Diego State University San Diego, CA
M.A., Psychology 2014
Thesis: *Psychophysical responses and preference for sweetness*
Thesis Chair: Claire Murphy, Ph.D

University of California, Santa Barbara Santa Barbara, CA
Major: Biopsychology 2011

AWARDS

Association of Chemoreception Sciences (AChemS) Housing Award 2013
Psi Chi National Honors Society 2011
Deans List, University of California Santa Barbara 2010-2011

PROFESSIONAL AFFILIATIONS

Association for Chemoreception Sciences (AChemS) 2013
Association for Psychological Sciences (APS) 2013
Cognitive Neuroscience Society (CNS) 2013
International Neuropsychological Society (INS) 2012-2013
Society for Neuroscience (SFN) 2013

PUBLICATIONS

Oleson, S., & Murphy, C. (in press). Olfactory dysfunction in ApoE ϵ 4/4 homozygotes with Alzheimer's disease. *Journal of Alzheimer's Disease*.

SCIENTIFIC CONFERENCE ABSTRACTS

Zuber, J., Cintora, P., Ellis, T., **Oleson, S.**, Murphy, C. (March 2015). *The correlates of odor recognition memory and neuropathology in the hippocampus for controls*. Poster presented at San Diego State University Student Research Symposium, San Diego, CA.

Cintora, P., Ellis, T., **Oleson, S.**, Murphy, C. (November 2014). *Odor recognition memory and Alzheimer's disease: the role of neurofibrillary tangles in the entorhinal cortex*. Poster presented at Gerontological Society of America Conference, Washington D.C.

SCIENTIFIC CONFERENCE ABSTRACTS - CONTINUED

Zuber, J., Cintora, P., Ellis, T., **Oleson, S.**, Murphy, C. (March 2015). *The correlates of*
Oleson, S., Green, E., Jacobson, A., McIntosh, E., Graves, L., & Murphy, C. (November 2013).
Anterior cingulate activation is correlated with subjective pleasantness ratings for saccharin in individuals with metabolic syndrome. Poster presented at Society for Neuroscience Conference, San Diego, CA.

Jacobson, A., Green, E., McIntosh, E., Graves, L., **Oleson, S.**, Anguiana, P., & Murphy C. (November 2013). *Trait anxiety and its relationship to gustatory processing.* Poster presented at Society For Neuroscience Conference, San Diego, CA.

McIntosh, E., Jacobson, A., Green, E., **Oleson, S.**, Graves, L., & Murphy, C. (November 2013). *Associations between depressive symptoms and reward processing: nutritive versus non-nutritive sweeteners.* Poster presented at Society for Neuroscience Conference. San Diego, CA.

Oleson, S., & Murphy, C. (May 2013). *Poorer odor detection threshold sensitivity in homozygous ApoE ϵ 4/4 individuals with probable AD.* Poster presented at Association for Psychological Sciences Conference. Washington D.C.

Oleson, S., Green, E., Jacobson A., & Murphy, C. (April 2013). *Odor identification performance in middle-aged obese individuals with high blood pressure.* Poster presented at Association for Chemoreception Sciences Conference. Huntington Beach, CA.

Oleson, S., & Murphy, C. (April 2013). *Remote odor memory in genetically at risk ApoE ϵ 4/4 and ApoE ϵ 3/4 individuals with Alzheimer's Disease.* Poster presented at Cognitive Neuroscience Society Conference. San Francisco, CA.

Oleson, S., & Murphy, C. (February 2013). *Genetically at risk ApoE ϵ 4/4 and ApoE ϵ 3/4 individuals with probable AD and odor identification task performance.* Poster presented at the International Neuropsychological Society Conference. Waikaloa, HI.

RESEARCH EXPERIENCE

Clinical Neuroscience Laboratory

August 2014 - Present

University of Texas at Austin; Supervisor: Andreana Haley, Ph.D.

Neural Consequences of Metabolic Syndrome

Graduate student researcher for project investigating the effects of metabolic syndrome (MetS) on the brain and cognition in middle-aged adults. Duties include scanning participants at the Imaging Research Center (IRC) at UT Austin, performing assays to assess markers associated with (MetS) and cognition, and interpreting and analyzing data.

RESEARCH EXPERIENCE - CONTINUED

Lifespan Human Senses Laboratory

August 2011 – August 2014

San Diego State University; Supervisor: Claire Murphy, Ph.D.

Aging and Alzheimer's Project

May 2012 – August 2014

Lead coordinator for longitudinal research project investigating chemosensory functioning and cognition in healthy aging, Alzheimer's Disease, and those with genetic risk associated with the Apolipoprotein E gene

- Interview, train, and manage graduate and undergraduate Research Assistants
- Collaborate weekly with staff and patients of diverse backgrounds at the UCSD Alzheimer's Disease Research Center for patient scheduling
- Administer Neuropsychological assessments and olfactory measures to Alzheimer's patients, family members, and individuals genetically at risk for AD

Taste and Reward in Metabolic Syndrome

January 2012 – August 2014

Neuroimaging project utilizing functional Magnetic Resonance Imaging (fMRI) to investigate neural correlates related to taste, reward processing, and metabolic status over the lifespan. Major aims include examining (1) reward processing as a function of physiological states of hunger and satiety; (2) exploring differential brain responses related to metabolic factors including obesity, hypertension, insulin resistance, and cholesterol; and (3) understanding the representation of taste reward throughout the lifespan

- *Certified Scanner Operator at the Center for Functional MRI, University of California, San Diego*
- Operate scanner and analyze data using Analysis of Functional NeuroImages (AFNI) software
- *Recruitment Coordinator* – Responsible for all participant recruitment at bariatric surgery medical clinics and support groups throughout San Diego; collaborate and serve as liaison for medical team of psychologists, surgeons, dietician, and nurses with laboratory
- Administration of neuropsychological and psychophysical testing to 36 participants

Psychophysical Responses to Sweetness

June 2012 – May 2014

Lead student researcher for project examining psychophysical response, preference, and liking for different sweet tastes. Important and potential implications for this study may be related to health, diet, obesity, and reward

- Pilot testing, analysis of preliminary data, literature review, and formulation of hypotheses for project planning
- Oversee Research Assistants and other graduate students for participant scheduling, testing, and recruitment

RESEARCH EXPERIENCE - CONTINUED

Computational Cognitive Neuroscience Laboratory June 2010 – January 2011
University of California, Santa Barbara; Supervisor: Greg Ashby, Ph.D.

Implicit Learning and Memory Project June 2010 – January 2011
Undergraduate Research Assistant for project investigating implicit learning and attention in college aged students

- Conduct experiments on human participants using MatLab, maintained databases using excel, and compiled data displays using photoshop
- Worked closely with post-doctoral researcher discussing research ideas and results

TEACHING EXPERIENCE

Teaching Assistant August 2011 – May 2014
San Diego State University
Research Methods, Abnormal Psychology, and Developmental Psychology

- Prepared and gave weekly lecture to class of 40 students in conducting research projects and writing full-length APA style reports; graded and provided feedback for weekly assignments
- Tailored lessons that are appropriate for a diverse group of students and learning styles
- Mentored and train new Teaching Assistants
- Collaborated with supervisor to integrate Qualtrics in curriculum and create revised lab manual

RELEVANT EMPLOYMENT

Research Associate May 2013 – August 2014
Office of Institutional Effectiveness, Mesa Community College San Diego, CA

Collected and analyzed data obtained through focus group interviews for large Educational Master Plan at Mesa College. Extensive experience coding qualitative data using Atlas TI software and developing a system for hierarchical categorization and display of data.

Office Manager June 2011 – January 2012
PsychSanDiego, Private Practice San Diego, CA

Worked closely with psychologists at private practice and interacted with patients from diverse backgrounds, medical, and psychiatric conditions. Scheduled appointments for patients, maintained patient files, and responsible for insurance billing.

Direct Support Professional July 2010 – June 2011
Devereux Foundation Goleta, CA

Cared for adults with developmental disabilities and emotional disorders. Responsible for daily care and medicine administration to clients. Worked with psychologist and caseworker to implement behavioral analysis plans.