

KELBY L. HOLTFRETER-MURPHY

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EDUCATION:

University of Alaska Anchorage
Degree: Master of Public Health, anticipated May 2009
Emphasis: Public Health Practice, Interdisciplinary

Washington State University
Degree: Bachelor of Science, May 2005
Major: Neuroscience
Emphasis: Pre-Medical/Pre-Dental Program

Washington State University
Degree: Bachelor of Science, May 2005
Major: Psychology

PROFESSIONAL EXPERIENCE:

- September 2008 to Present **Associate Policy Analyst:** Alaska Center for Public Policy, Anchorage, AK
Supervisor: Larry D. Weiss, Ph.D., M.S.
Duties: Compile and interpret policy actions, trends, and potential impacts on Alaskan residents. Track bills of the Alaska House and Senate during the legislative session; prepare reports and summaries of bills and update changes weekly. Conduct policy research related to specific grants and/or contracts; prepare reports including methodology and research findings. Research policy issues and prepare articles/reports for monthly Alaska Health Policy Review publication.
- May 2006 to Present **Research Assistant:** University of Alaska Anchorage, Department of Health Sciences, Public Health Program, Anchorage, AK
Supervisor: Rhonda M. Johnson, Dr.PH, CFNP
Duties: Collect, analyze, and interpret quantitative and qualitative data for “Role of Health Literacy in Cancer Screening with Alaskan Women: A Pilot Study.” Collaborate with private and public health care and community professionals to facilitate provider and client data collection. Participate in monthly Health Literacy Collaborative meetings to continue

partnership efforts to reduce gaps in cancer screening access and practices. Collaborate with academic colleagues and community partners to prepare manuscripts and presentations to disseminate findings and lessons learned.

September 2005
to August 2007

Administrative Clerk III: State of Alaska, Department of Health and Social Services, Division of Public Health, South Central Regional Nursing, Anchorage, AK

Supervisor: Anita Roth, M.S., R.N.

Duties: Resource Patient Management Services (RPMS) output analysis, management of pharmaceutical commodities for Title X Grant, management of pharmaceutical, clinical, and office commodities for six public health centers in the South Central region of Alaska.

June 2004
to September 2004

Nurses' Aide: Whitman Health and Rehabilitation, Colfax, WA

Supervisor: Lea Ludington, R.N.

Duties: Assisted in activities of daily living of long-term residents; including but not limited to, bathing, oral care, dressing, feeding, perineum care, physical assistance/support and transfer, monitoring mental and physical progress, and providing emotional/psychological support.

April 2001
to September 2002

Front Desk Supervisor: Quality Inn, Pullman, WA

Supervisor: David Jung, Owner

Duties: Reservations, accounting, customer service, and event planning.

January 1998
to February 2000

Office Assistant/Lab Technician: Chest and Sleep Disorders Clinic of Yakima, Yakima, WA

Supervisor: Phillip Menashe, M.D., Pulmonology

Duties: Updated client charts, processed accounts receivable, submitted insurance claims to Medicare and Medicaid as well as private insurance companies, medical coding, referrals, and general office duties.

GRADUATE COURSEWORK FOCUS:

Health Literacy, Culture, and Primary Care Communication

Public Health and Society

Health Services Administration

Community Nutrition

Program Evaluation

Biostatistics for Health Professionals

Epidemiology of Aging; Healthy Aging

RESEARCH EXPERIENCE:

May 2006 to

Research Assistant: Community-based participatory research

- Present Focus: Health literacy, cancer screening, and health disparities
Supervisor: Rhonda M. Johnson, Dr.PH, CFNP
Duties: Collect, analyze, and disseminate findings from pilot study; collaborate with community partners to improve cancer screening and health literacy awareness in the Anchorage area.
- May 2002 to May 2005 **Research Assistant:** Physiological Psychology of Learning and Memory
Supervisor: John (Jay) W. Wright, Ph.D.
Duties: Stereotaxic surgery including hippocampal and prefrontal cortex lesions (via aspiration), ICV cannulae placement, perfusion, dissection, microtome histology, and radio frequency lesions. Conducted behavioral assays, including habituation of the head-shake response and spatial learning in rats.

PUBLICATIONS:

- Holtfreter, K.L.**, Murphy, E.S., Harding, J.W., & Wright, J.W. (2008). Effects of suprachiasmatic nucleus lesions on habituation of the head-shake response. *Neuroscience Letters*, 439, 203-207.
- Wright, J. W., Meighan, S. E., Murphy, E. S., **Holtfreter, K. L.**, Davis, C. J., Olson, M. L., Benoist, C. C., Muhunthan, K., & Harding, J. W. (2006). Habituation of the head-shake response induces changes in brain matrix metalloproteinase-3 (MMP-3) and -9. *Behavioural Brain Research*, 174, 78-85.
- Murphy, E. S., Harding, J. W., Muhunthan, K., **Holtfreter, K. L.**, & Wright, J. W. (2005). Role of mitogen-activated protein kinases during recovery from head-shake response habituation in rats. *Brain Research*, 1050, 170-179.
- Wright, J. W., Murphy, E. S., Elijah, I. E., **Murphy, K. L.**, Davis, C. J., Olson, M. Muhunthan, K., & Harding, J. W. (2004). Influence of hippocampectomy on habituation, exploratory behavior, and spatial memory in rats. *Brain Research*, 1023, 1-14.

MANUSCRIPTS - IN PREPARATION:

- Murphy, K.L.**, & Johnson, R.M. (2008). *Health literacy, culture, and cancer communication with Alaskan women: Lessons from a pilot study*. Manuscript in preparation.
- Murphy, E. S., **Holtfreter, K. L.**, Weidiger, M., Harding, J. W., & Wright, J. W. (2004). *A parametric and quantitative analysis of habituation and recovery of the head-shake response in rats*. Manuscript in preparation.

PRESENTATIONS:

- Murphy, K.L.**, & Johnson, R.M. (2008, October). *Health literacy and cancer communication*

with Alaskan women: Highlights from a pilot study. Presented at the 136th annual American Public Health Association Meeting and Exposition, San Diego, California.

- Murphy, K.L., & Johnson, R.M.** (2008, October). *Alaskan Health Literacy Collaborative: Working together to increase health literacy and cultural competence in cancer communication with Alaskan women.* Presented at the 136th annual American Public Health Association Meeting and Exposition, San Diego, California.
- Murphy, K.L., & Johnson, R.M.** (2008, May). *Health literacy and cancer communication with Alaskan women: Lessons from the Alaskan health literacy collaborative.* Poster presented at the 6th Biennial Cancer, Culture, & Literacy Conference, Clearwater Beach, Florida.
- Murphy, K. L.,** Murphy, E. S., Harding, J. W., & Wright, J. W. (2007, May). *A quantitative analysis of habituation and recovery of the head-shake response in rats.* Poster presented at the 33rd annual Association for Behavior Analysis International Convention, San Diego, California.
- Johnson, R.M., **Murphy, K.L.** (2007, May). *Health literacy and cancer communication with Alaskan women: Preliminary findings of a pilot study.* Presented at the Annual National Rural Health Association Conference, Anchorage, Alaska.
- Holtfreter, K.L.,** Murphy, E.S., & Wright, J. W. (2006, May). *Effects of suprachiasmatic nuclei lesions on intersession interval and spontaneous recovery of the headshake response in rats.* Poster session presented at the 32nd annual Association for Behavior Analysis International Convention, Atlanta, Georgia.
- Holtfreter, K.L., & Wright, J. W.** (2005, May). *Role of the suprachiasmatic nucleus in habituation of the headshake response in rats.* Poster session presented at the 31st annual Association for Behavior Analysis International Convention, Chicago, Illinois.
- Holtfreter, K. L., & Curren, A.M.** (2005, April). *Slow and Steady Wins the Race.* Tutorial presented at the 4th annual Kids Judge Neuroscience Fair, Washington State University, Pullman, Washington.
- Holtfreter, K. L., & Wright, J. W.** (2004, April). *Role of the suprachiasmatic nucleus in habituation of the headshake response behavior in rats.* Poster session presented at the Department of Psychology's Undergraduate Research Symposium, Washington State University, Pullman, Washington.
- Holtfreter, K. L.,** Elijah, I. E., Murphy, E. S., Davis, C. J., Harding, J. W., & Wright, J. W. (2003, April). *Role of the hippocampus in habituation of the headshake response and exploratory behavior in rats.* Poster session presented at the Department of Psychology's Undergraduate Research Symposium, Washington State University, Pullman, Washington.
- Murphy, E. S., **Holtfreter, K. L.,** Muhunthan, K., Davis, C. J., Harding, J. W., &

Wright, J. W. (2003, November). *Habituation, spatial memory, and neural plasticity in hippocampectomized rats tested with tasks varying on spatial cues*. Poster session presented at the annual meeting of the Society for Neuroscience, New Orleans, Louisiana.

Murphy, E. S., Muhunthan, K., Elijah, I., **Holtfreter, K. L.**, Zornes, P., Wright, J. W., & Harding, J. W. (2002, October). *The potential role of MAP kinases in the development of and recovery from habituation*. Poster session presented at the annual College of Veterinary Medicine's Student Research Symposium, Washington State University, Pullman, Washington.

GRANTS AND SCHOLARSHIPS:

Murphy, K.L. (2008). Intercultural Cancer Council. Travel and housing scholarship to attend the 11th Biennial Symposium on Minorities, the Medically Underserved, and Cancer, April 3-6, 2008.

Murphy, K.L. (2007). *Health literacy, culture, and primary care communication*. University of Alaska Anchorage, Center for Community Engagement and Learning, Community Service-Learning Advocate Independent Study Tuition Waiver, 2007-2008.

Holtfreter, K.L. (2006). *Effects of suprachiasmatic nuclei lesions on intersession interval and spontaneous recovery of the headshake response in rats*. Society for the Advancement of Behavior Analysis, Student Presenter Grant, May 2006.

Holtfreter, K. L. (2005). *Role of the suprachiasmatic nucleus in habituation of the headshake response behavior in rats*. Society for the Advancement of Behavior Analysis, Student Presenter Grant, May 2005.

Holtfreter, K. L. (2003). *Role of the suprachiasmatic nucleus in habituation of the headshake response behavior in rats*. Undergraduate Research Initiative Grants Program, Washington State University, April 1, 2003-April 1, 2004.

CURRENT RESEARCH:

Johnson, R.M., & **Murphy, K.L.**, (2006). *Role of Health Literacy in Cancer Communication with Alaskan Women: A Pilot Study*. Manuscript and data dissemination are in process.

VOLUNTEER EXPERIENCE:

August 2004
to May 2005 **Emergency Room Volunteer:** Pullman Memorial Hospital, Pullman, WA
Supervisor: David Moffett, Ph.D.

Duties: Served a nine-month commitment as part of the pre-medical program at Washington State University.

September 2003
to February 2004

Docent: Palouse Discovery Science Center, Pullman, WA

Supervisor: Alison Oman

Duties: Assisted patrons (aged 0-15 years) in group projects designed to improve critical thinking in physics, neuroscience, chemistry, biology, and geology.

TEACHING EXPERIENCE:

August 2004
to December 2004

Teaching Assistant: Physiological Psychology

Supervisor: Christopher J. Davis, Ph.D.

Duties: Prepared and delivered lectures, formatted and graded homework assignments, advised students and graded exams.

PROFESSIONAL MEMBERSHIPS:

Association for Behavior Analysis International
Student Member, 2003 to present

American Psychological Association
Student Member, 2004 to present

American Public Health Association
Student Member, 2005 to present

Society of Public Health Education
Student Member, 2008 to present

STUDENT AFFILIATIONS:

American Public Health Association Student Assembly
Member, 2005 to present

Neuroscience Club, Washington State University
Member, 2004 to 2005

Pre-Medical Club, Washington State University
Member, 2003 to 2005

Phi Kappa Phi Honor Society
Scholar Member, 2007 to present