Can Video Game Training Enhance Attentional Capabilities?

The purpose of the proposed research is to determine if playing video games can increase basic visual attention and perceptual capabilities. The potential benefits of this research can be seen on both theoretical and practical levels. To begin with, the malleability of basic attentional mechanisms using video game training has received mild interest in the field of cognitive psychology. The proposed research will improve the scientific understanding of attention and perception. Perhaps more importantly, on a practical level the proposed research will be of extreme interest to both health practitioners and the commercial industry. For instance, it is possible that by simply playing video games, cognitive dementia may be ameliorated or delayed. Furthermore, highly demanding professions, such as surgeons or pilots, have already benefited by simply including video game training in their regimens. Indeed, simulators that mimic flying conditions are being used to train pilots and the results have shown increased flight performance scores (Gopher et al., 1994). However, perhaps the simulator is unnecessary if more simple and non-related games can have the same or similar benefits in basic mechanisms of attention and perception.

— Jeremy Thacker, pre-nursing student (Dr. Scott Sinnett, Sponsor Faculty)

AMERICAN RECOVERY & REINVESTMENT ACT (ARRA) RESEARCH SUPPLEMENT

Evaluating Dietary Intake of Filipinos at Risk for Type 2 Diabetes

The purpose of this study is to develop and conduct pilot testing of a tool to assess dietary intake for Filipino-Americans, and to identify relationships between dietary intake and outcome measures for the diabetes prevention lifestyle intervention grant.

A descriptive, correlational design is utilized to examine the relationships between dietary intake and self-efficacy for diet and exercise, quality of life, depression, blood pressure, body mass index, fasting insulin and glucose levels.
Aloha and welcome to the spring issue of our Nursing Research Newsletter. Since our last issue we started the New Year with the addition of a dedicated space at the university's Biomedical Building for our new research center. This space was designated for the Center for Nursing, Office of Research and Extramural Programming, the Office of Research Development and the Scholars in Research Program. A variety of lectures, workshops, and in-house trainings were held to augment student and faculty knowledge and experiences on topics of research such as statistics, grant writing, publications, and others. We continued to build clinical research partnerships within the university, our health care industry, and the military institutions. For our first EARDA Undergraduate Summer Research Award, we received applications from students whose proposals were of high quality and significance, resulting in very close scores among the top three finalists. After review by the Research Committee, the award was given to Jeremy Thacker, a pre-nursing student. We congratulate Jeremy and all the other applicants for their great proposals and we look forward to next year's summer research award cycle. These and the following listed achievements are just snapshots of the hard work and effort that our students and faculty have done over the past six months and we look forward to continued commitment in our journey forward. Rosa Castro is now assisting with our research webpage development. The Principal Investigator Guide (formally manual) is under revision with assistance by the Office of Research & Extramural Programming (OREP) staff, D. Estrella, EARDA Project Coordinator, & R. Castro, Project Manager of the P20 Center for ‘Ohana Self-Management of Chronic Illnesses. We hope it will provide continuing guidance in our grants and project management efforts.

— Jillian Inouye

Message from the Director of Office of Research & Extramural Programming

Aloha from the Staff of the Office of Research and Extramural Programming! James Kowalski, Patsy Yamane, Thea Nieves, and I have had an exciting and productive start to 2010 and hope that you have too. To begin with, we have a new home and hope that you’ve made a visit to our new spacious digs in the BioMed building, Courtyard C 105. Given the distance from Webster Hall, we are making every effort to ensure that you continue to have ready access to our services – if not, please let us know.

Since December, we’ve assisted 12 faculty with grant/contract submissions for a total of $13,100.00. We also are processing five partnership grants with the Queen’s Medical Center and Tripler Army Medical Center. We are also in the process of conducting annual audits and providing each project with a current budget during those meetings. This process is giving the PI and OREP valuable information about the status of each grant and we will continue to schedule them. Jim has also offered to provide updated budgets to each PI at least quarterly.

Next on our agenda is to develop a user-friendly and robust website, continue to develop written policies to provide you with another source of information that may assist you as you prepare and manage grants.

Thank you for your continued support of OREP!

— Deb Mark
RESEARCH OFFICES HAVE MOVED

The Office of Research and Extramural Programming (OREP), Office of Research Development (ORD), and Center for ‘Ohana Self-Management of Chronic Illnesses (COSMCI) have moved to Court C, Biomed Building. Realizing that physical distance may create challenges for the usual communication, we continue to schedule meetings and maintain mailboxes in Webster Hall. The following tables list the new office locations and contact information. Stop by and visit us at our new location.

Office of Research Development: Biomed C-105F

<table>
<thead>
<tr>
<th>Name</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jillian Inouye &amp; Dominic Estrella</td>
<td>956-0538</td>
</tr>
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<td>Scholars In Research Office</td>
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COSMCI: Biomed C-105D

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<th>Name</th>
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<tr>
<td>Rosa Castro</td>
<td>956-0536</td>
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<tr>
<td>Jeannie Li</td>
<td>956-0537</td>
</tr>
<tr>
<td>Jillian Inouye</td>
<td>956-0538</td>
</tr>
<tr>
<td>Christine Matsuura</td>
<td>956-0539</td>
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<td>P20 Center Fax</td>
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Office of Research and Extramural Programming

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<tr>
<td>Debra Mark</td>
<td>956-0532</td>
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<td>James Kowalski</td>
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<td>BioMed C105CB</td>
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<td>Thea Nieves</td>
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<tr>
<td>Patsy Yamane</td>
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<td>BioMed C105G</td>
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ORD & COSMCI NEED YOUR INPUT ON TRAINING TOPICS

Upcoming Training: Project Facilitation/Coordination-June 25, 2010* from 12:00pm-2:00 pm in Webster #402C presented by Rosa Castro and Dominic Estrella. This past year, ORD and COSMCI hosted five journal clubs, six scholar lecture series, one grantmanship workshop, and one writing for publication workshop. The presentation topics included qualitative methods, quantitative data analysis, SPSS, clinical trials, self-management with cancer care, community based program for overweight prevention, the relationship between mass vaccines and chronic illnesses, self-management of diabetes during pregnancy, and chronic renal disease at the end of life. Dr. Jobe’s grantmanship workshop described in detail the NIH grant mechanisms, funding programs, new policies and grant submission procedures, and funding opportunities in Community Based Participatory Research. ORD & COSMCI would like to invite you to give us suggestions on training topics for the new school year. Please contact Rosa Castro at 956-0536 or at rdcastro@hawaii.edu with your ideas for training topics.

*Revised date.
# FACULTY PUBLICATIONS 07/01/2008—04/30/2010

## Mary Boland


## Mirella Vasquez-Brooks

## Susan Field

## Jillian Inouye

## Merle Kataoka-Yahiro


## Anne Leake


## Sandra LeVasseur

## Carmen Linhares

## Lois Magnussen


**Debra Mark**


**Barbara Matthews**


**Nalani Minton**


**Victoria Niederhauser**


**Maureen T. Shannon**


**Janice Shoultz**


**Kathleen Sullivan**


**Chen-Yen Wang**


Mirella Vasquez Brooks

Jillian Inouye

Mijung Park

Maureen T. Shannon

Chen-Yen Wang

Mary Boland

Nafanua Braginsky
Mirella Vasquez Brooks


John Casken

Estelle Codier


Connie Gazmen


Jillian Inouye


Merle Kataoka-Yahiro

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<th>FACULTY PRESENTATIONS 07/01/2008–04/30/2010 (con’t.)</th>
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<tr>
<td><strong>Anne Leake</strong></td>
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<td>Leake, A. (2009, April). Obesity, diabetes and metabolic mitochondrial function in a geriatric Filipino population and cultural tailoring of a lifestyle intervention for the Filipino community. Poster presentation. The Western Institute of Nursing 42nd Annual Communicating Nursing Research Conference. Salt Lake City, UT.</td>
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<td><strong>Sandra LeVasseur</strong></td>
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<td><strong>Carmen Linhares</strong></td>
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<td><strong>Lois Magnussen</strong></td>
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<td><strong>Debra Mark</strong></td>
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<td><strong>Stephanie Marshall</strong></td>
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<td><strong>Margaret McNulty</strong></td>
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<td><strong>Joseph Mobley</strong></td>
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<td><strong>Victoria Niederhauser</strong></td>
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FACULTY PRESENTATIONS 07/01/2008—04/30/2010 (con’t.)


Mijung Park


Maureen T. Shannon


Jan Shoultz


Kathleen Sullivan


Lorrie Wong


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<tr>
<th>Last Name</th>
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<td>7/1/2009</td>
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<td>Increasing the Supply and Diversity of Graduate Prepared Nurse Leaders: An Advanced Nursing Education</td>
<td>$260,263</td>
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<td>VA Nursing Academy: Enhancing Academic Partnerships Program</td>
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<td>8/1/2009</td>
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<td>Developing the Emotional Intelligence of Nurse Managers</td>
<td>$7,500</td>
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<td>Extramural Associates Development Award (EARDA) - ORD</td>
<td>$105,840</td>
<td>Natl Inst of Child Hlth &amp; Human Dev (NICHD), Natl Inst of Health (NIH)</td>
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<td>Inouye</td>
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<td>$207,781</td>
<td>Natl Inst of Nursing Rsch (NINR), Natl Inst of Health (NIH)</td>
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<td>7/1/2009</td>
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<td>Online PhD Program for Rural Underserved Communities</td>
<td>$292,658</td>
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<td>7/1/2009</td>
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<td>Queen's Medical Center–University of Hawaii Research Partnership</td>
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<td>7/1/2009</td>
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<td>Program for the Retention of Nursing Students (PRNs)</td>
<td>$319,945</td>
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<td>Community-Based Capacity Building: Academic-Community Partnerships Using Participatory Action Research (U11)</td>
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<td>Kamehameha Advanced Public Health Nursing Program</td>
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<td>Advanced Public Health Nurse/Family Nurse Practitioner Capacity in the Pacific Region</td>
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<td>Qureshi</td>
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<td>Implementation of a New Adult Health Clinical Nurse Specialist Program Using Electronic Distance Learning</td>
<td>$300,875</td>
<td>HRSA, Bureau of Health Professions</td>
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Undergraduate Scholars*


Kimberly Mae Isobe (nursing), 2009 Undergraduate Student Research Award Recipient for her project entitled, “Measuring Sound Levels and Implementing Quiet Time in the Neonatal Intensive Care Unit.”


*Please send us information on your student researchers who have not been mentioned in our previous newsletter.

A Sample of Upcoming Scholarly Events

- East-West Center/East-West Center Association 50th Anniversary International Conference, "Leadership and Community Building in the Asia Pacific Region", July 2-5, 2010, Hawaii Convention Center, Honolulu, HI.
- The Council for the Advancement of Nursing Science (CANS) 2010 State of the Science Congress on Nursing Research, September 27-29, Omni Shoreham Hotel, Washington, DC.
- The 11th World Congress Self-Care Deficit Nursing Theory, November 5-7, 2010, Bangkok, Thailand.
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Associate Dean for Research
and
Dominic Estrella
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