Academic Poster

Yesoda Bhargava

February 6, 2021

Introduction

- Posters are widely used in the academic community, and most conferences include poster presentations in their program.
- Research posters summarize information or research concisely and attractively to help publicize it and generate discussion.
- The poster is usually a mixture of a brief text mixed with tables, graphs, pictures, and other presentation formats.
- At a conference, the researcher stands by the poster display while other participants can come and view the presentation and interact with the author.

Yesoda Bhargava Academic Poster February 6, 2021

What makes a good poster?

- Important information should be readable from about 10 feet away
- Title is short and draws interest
- Word count of about 300 to 800 words
- Text is clear and to the point
- Use of bullets, numbering, and headlines make it easy to read
- Effective use of graphics, color and fonts
- Consistent and clean layout
- Includes acknowledgements, your name and institutional affiliation

Yesoda Bhargava Academic Poster

Where to begin?

- Answer these three questions:
 - What is the most important/interesting/astounding finding from my research project?
 - How can I visually share my research with conference attendees? Should I use charts, graphs, photos, images?
 - What kind of information can I convey during my talk that will complement my poster?
- How to make an academic poster

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What software can I use to make a poster?

- PowerPoint
- Adobe Illustrator, Photoshop and InDesign
- Open Source Alternatives: OpenOffice in the free alternative to MS Office (Impress is its PowerPoint alternative). Inkscape and Gimp are alternatives to Adobe products. For charts and diagrams try Gliffy or Lovely Charts. A complete list of free graphics software.

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Yesoda Bhargava **Academic Poster**



O⁶-Benzylguanine Inhibits Tamoxifen Resistant Breast Cancer Cell Growth and Resensitizes Breast Cancer Cells to Anti-Estrogen Therapy

Joshua Smith¹, George C Bobustuc¹, Rafael Madero-Visbal¹, Jimmie Colon¹, Beth Isley¹, Jonathan Ticku¹, Kalkunte S. Srivenugopal and Santhi Konduri¹

*Cancer Research Institute of M.D Anderson Cancer Center Orlando *Texas Tech University Health Sciences Center, Amarillo, TX



Abstract

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Introduction

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Results

Prolonged Treatment of Tamoxifers Increases MGMT Expression: We developed a tamoxifen resistant MCT-9 cell like by using prolonged treatment of tumosifien on the parental Expositive breast cancer cell line, MCT-9, Tamoxifen-resistant MCT-9, cells proliferate at rates similar to the parental MCT-9, Prolonged treatment of tumosifien onto MCT-9 cells increased MGMT expression compared to parental MCT-9, Prolonged treatment of tumosifien onto MCT-9 cells increased MGMT expression compared to parental MCT-9, receib by a field (Fig. 1).

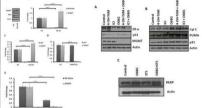
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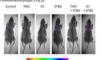
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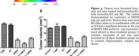
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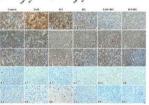
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Conclusions

In the present study, we observed that prolonged treatment with anti-estrogens causes drug resistance by including the DNA repair protein O'-methylganatine DNA methyltransferase (MSOIT).

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 We also observed that combination therapy of anti-estrogrue sand MGMT blockers not only overcame the MGMT derived day (tumoxien and CLI) resistance but also increased the efficacy of anti-estrograe therapy

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Acknowledgements

Figure 1: Sample Poster



O⁶-Benzylguanine Inhibits Tamoxifen Resistant Breast Cancer Cell Growth and Resensitizes Breast Cancer Cells to Anti-Estrogen Therapy

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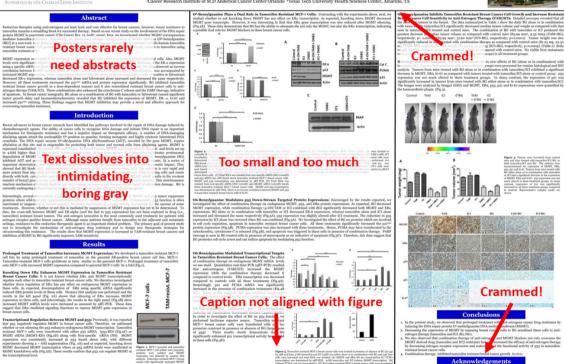


Figure 2: Sample Poster Critique

A SHARED PROPENSITY TOWARDS FOOD AND ALCOHOL

BACKGROUND

Overeating and binge drinking are two of the most common health problems among college students:



48%

report binge eating problems of females report

63%

binge drinking episodes of males report

binae drinkina episodes

ALCOHOL IS LIKE FOOD



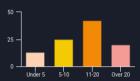
- Alcohol is derived from sugar similar chemical bases as food.
- Both eating and drinking alcohol activate dopaminergic pathways in the human brain
- Addiction models have been applied to both food and alcohol use, as well as correlations between food and alcohol intake conducted in animal studies.

METHOD & MEASURES

200 UCLA Undergraduates (76% females, Mean Age - 22.1) filled out an online survey in one-sitting as part of a longer experimental study with the following exclusionary criteria:

- Less than 21 years old
- Self-reported history of eating disorders or substance abuse
- Abstinence from drinking beer
- A strict diet and food allergies to experimental stimuli

of times alcohol was consumed with a meal /



A questionnaire measuring one's anticipatory effects of drinking and consuming alcohol

A questionnaire assessing one's eating behaviors (since expectancies predict consumption, food expectancies are implicitly implied).

RESULTS

Overeating and binge drinking are two of the most common health problems among college students:

Relaxation & Tension Reduction	320	240
Arousal & Aggression	240	220
Increased Social Assertiveness	250	169
Physical & Social Pleasure	210	114



CONCLUSION

The results support our hypothesis that: Food expectancy is positively correlated to alcohol expectancy.

DEBQ External eating scale correlated to all AEQ scales, while DEBQ Emotional Eating scale only correlated to some AEQ scales.

External eating had a more consistent relationship with alcohol expectancies, where Emotional eating had a less consistent relationship.



University of New York, New York

STUDY CONDUCTED BY: Carla Ramirez, Francis R. Griffon and Elena Takiyoma, UNIVERSITY OF NEW YORK RESOURCES: Walsh, Kathy, Chan, Anthony, "The psychology of consumption and stress" The Pearson Journal, 2017. // Satuda, Mariana, Temitope, Janet, "Neuroscience of addiction and pleasure" The Science Review, 2018. // Jurgen, Hans, Lee, Penelope, "Consumption, Pleasure and Empowerment", The Arch Journal, 2020.

Figure 3: Sample poster for critique

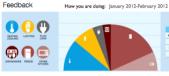


Motivating Energy Conservation - A Large-Scale Behavioral Study

Prof. Magali Delmas (PI), Prof. William Kaiser (co-PI), Dr. Robert Gilbert, Dr. Miriam Fischlein, Victor Chen Omar I. Asensio



Funded by the NSF Clean Green IGERT and the California Air Resources Board



ENGAGE Website: Real-Time Energy Feedback down to Appliance-Level

ENGAGE is a real-time energy monitoring study at UCLA. It is currently among the largest behavioral studies in energy conservation in the U.S.

Residents at UCLA's University Village Apartments are currently having their apartments outfitted with a system to measure their electricity usage down to the appliance level. We take a behavioral science approach combined with enabling technology to test the effectiveness of financial and non-financial incentives.

http://engage.environment.ucla.edu

Public Information

Public Status

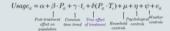
Public (status)



University Village Apartments



Econometric Model



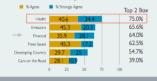
Sample Messages

FINANCIAL. "Last month you used 66% more

HEALTH. "Last month you used 66% more electricity than your efficient neighbors. This results in 609 pounds of additional CO₂ emissions and air

The Technology

Behavioral Science Messages: Pre-Test



2x2 Research Design Common Public (status) Good Financial

Private

Social Comparisons

How can we motivate or "nudge" people to conserve energy?

UCLA Institute of the Environment and Sustainability

Figure 4: Sample poster for critique

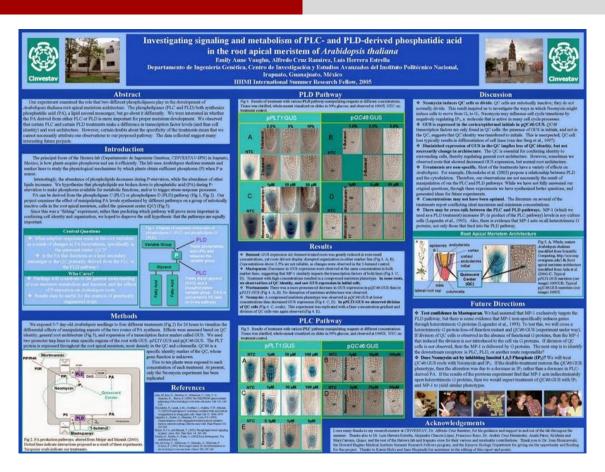


Figure 5: Sample poster for critique



Creando Nuestra Salud: Findings from the 2012 Promotora Campaign Increasing Early Breast Cancer Detection Among Hispanic Women



Authors: Robin Lewy, MA, Francine Ricardo, BA, Diana P. Viviescas Vargas, MPH, and Angela Bakidis. MPH

Rural Women's Health Project, Gainesville, FL

Introduction

Breast cancer is the most commonly diagnosed cancer among Hispanic wome in the United States and the leading cause of cancer death within this population According to the American Cancer Society, one in ten Hispanic women in the United States will develop breast cancer during their lifetime. (ACS, Cancer Facts & Figures for Hispanics/Latinos. 2012)

Additionally breast cancer is more appressive among Hispanics than non Hispanic whites due to late detection and late entrance into care. Many Hispanic women are neither taught, nor practice the breast self-exam. This population faces additional harriers to accessing early detection ecreenings: language ansportation, socio-economic factors, tack of insurance and immigration status (NIM/HIC 2006: Nation's Health 2006)

In order to impact the factors that lead to the late detection of breast cancer among Hispanic immigrants, the Rural Women's Health Project (RWHP) developed the Creando Nuestra Salud program (Creating Our Health). The goal of Creando Nuestra Salud (CNS) has been to increase the health literacy of Hispanic women living in North Florida, through culturally-relevant education

Objectives

The core objectives of the Creando Nuestra Salud program in serving Hispanic women are to:

- · Influence the practice of monthly breast self-exams as a critical strategy for
- identifying breast irregularities Inform about early breast cancer detection screening guidelines
- Link women to clinics which offer clinical breast exams and mammography

Methodology

The RWHP has collaborated with five partner organizations in six counties of North Florida; Alachua, Lake, Levy, Orange, Putnam and Volusia. The collaborators include two churches, one farmworker women's organization five medical facilities and a county outreach program

The RWHP trained 46 promotoras (Hispanic, Spanish-speaking lay-health workers) in two, four-hour workshops held in each county. The promotoras were initially trained on "The Role of the Promotora," confidentiality & trust, breast cancer basics, breast self exam (BSE), breast health screening ndations, and accessing local clinical care and services for women with cancer. The promotoras were then trained to use the CNS tools, protocol and use





to gather data, the fotonovela, a breast-teaching model and a necklace to educate on tumor sizes. Serving as a companion to the materials was the distribution of a

The promotoras spent two months educating their peers (10 contacts per month) and in their third month they focused on follow-up calls/visits/"reminder notes" with each of the twenty women they oriented. All data was collected, coded and analyzed with SPSS.

Findings

In 2012 with the critical assistance of the promotoras, over 1,200 Hispanic women were educated in early breast cancer detection. Table 1 outlines the demographic characteristics of the women served



Promotoras were trained in the use of the educational tools listed in the figure below (Figure 1). Using their teaching guides as a resource, the oras trained women with the tools they feel most appropriate to meet the woman's need. As seen utilized were the breast model as well as the tumor necklace, used with 91% and 93% of women, respectively



Prior to the CNS training, 54% of the participants had practiced a breast selfexam, however only 26% practiced the BSE monthly. (Figure 2)

Post training, 97% of women reported that they felt more capable of performing the BSE, having learned steps and approaches previously not mastered and they were committed to practicing the BSE monthly.

In the CNS follow-up, 80% of women reported having performed BSE within the three months following the CNS educational sessions. (Figure 3)

by participant to be screened for clinical breast exams (67%) and mammography (59%) within the next three months

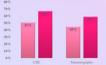
Prior to the CNS training, women said they faced obstacles to receiving a clinical breast exam or mammography.

The critical obstacles to accessing these services were cost (73%), transportation (22%), fear (12%) and embarrassment (10%), (this was a multiple response

Table 1. Participant Characteristics



Outcomes for Clinical Exams and Mammography



■ Committed to being screened within the next three months*

Post training, 20% of women needed additional assistance (navigation) with areas such as the cost of CBE or mammography, transport and translation. The CNS program assisted in navigating these women to the

Conclusions

The CNS findings demonstrate an increase in women's consciousness about the

Based on the obstacles faced by the women participants, due to their high rates of uninsured status and reported low screening practices prior to CNS, the breast self exam is an achievable and vital detection method for this vulnerable population.

However, the program recognizes that the BSE is not enough. Therefore CNS' dynamic education tools, which are left with each woman participant, promote the comprehensive screening recomendations and the program's linkage of women to clinical services. These materials enhance their abilitity to enact these screenings.

CNS' lay-health worker strategy, and the inclusion of non-health community partners, reduces the stigma around breast cancer, encourages women to prioritize their own health and elevates women's confidence in seeking services. These elements, when combined, increase women's probability of linking to care when breast irregularities are found.

Recommendations

The CNS campaign is a holistic intervention that can be replicated to increase participation in early cancer screening and early entry to care in other communities with similar characteristics

Continued work with grassroots organizations and promotoras strengthens the community's social network. Additionally, distribution of community-specific Gulas (Resource Guides) helps bridge women to locating a medical home, which is key as well as empowering a woman with a list of social services useful to her family

Understanding that prevention of cancer is related to one's diet, blending CNS with nutrition programs which emphasize the importance of weight control physical activity and healthy dietary patterns, will assist these communities to reduce their risk of cancer as well as lowering their risk for other chronic diseases.

Acknowledgments Project Lead Partners

Ana Bolaños, Alianza de Muieres Activas

Maria Granado, BS, Lake County Community Health Worker Program

- · Mensaieros de Saludi Azalea Health Care
- · Community Health Initiative
- Inlesia Shalom
- · Community Health Initiative Clinics
- · Shands Mobile Outreach Clinic, UF . Levy County Health Department Earnily Medical and Dental Center

American Canner Society Florida Division Inc.

- · Florida Breast Cancer Foundation Susan G. Komen, Central Florida Affiliate
- . Wal-Mart Equipolation Inc.

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Cancer Nursing. 19.6 (1996):437-446

Figure 6: Sample poster for critique

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Conclusion

- There is no absolute RIGHT or WRONG in Research Poster preparation. It is simply a matter of good or not-so-good and attractive or not-so-attractive. Thus, you can design your poster whatever you like, But please remember, you will beat the purpose of creating a Research Poster if nobody can understand or even interested to read it.
- Best way to learn is to make your research posters for MTP Project.
- Please write your queries at yesodabhargava@gmail.com. Thank you.