

Division of Health Sciences

Research Day

Bridging Research and Practice

April 15, 2011

ISU-Pocatello
&
ISU-Meridian



Pocatello & Meridian Schedule at a Glance

Friday, April 15, 2011

ISU - Pocatello Rendezvous Complex
ISU - Meridian Health Sciences Center

- 8:00-9:00 **Poster Session A** (Pocatello Only)
- 8:30-9:00 **Check In** – Coffee
- 9:00-9:30 **Welcome** - Opening Remarks
Linda Hatzenbuehler, Interim Associate Vice President & Executive Dean, Division of Health Sciences
- 9:30-10:30 **Keynote:** Bert Boyer, PhD
Institute of Translational Health Sciences
“Engaging Community Partners: Learning from Yup'ik Eskimos about risk and protection for obesity and diabetes”
- 10:40-11:10 **Podium Presentations: Session A**
Podium Presentations: Session B
- 11:40 **Podium Presentations: Session C**
- 10:40-12:00 **Meet the Experts: Drop-in Roundtable Discussion with Translational Research Experts from The Institute of Translational Health Sciences**
- 12:00-1:00 **Poster Sessions (Pocatello Session B & Meridian General Session)**
- 12:00-1:00 **Lunch**

Acknowledgements

Institute of Translational Health Sciences
Thank you for your generous sponsorship of travel funds and arrangements for all translational science experts!

Bessie Katsilometes, Dean, ISU - Meridian
Thank you for your support of Research Day in Meridian

Linda Hatzenbuehler, Interim Associate Vice President & Executive Dean, Division of Health Sciences
Thank you for your longstanding support of this annual event

Anthony Seikel, Associate Dean & Director, School of Rehabilitation and Communication Sciences
Thank you for your leadership and support of research in the Division of Health Sciences

Guest Speaker Biographical Information:

Bert Boyer, PhD

Dr. Boyer’s research group is broadly interested in genetic and environmental risk and protective factors related to obesity and diabetes in Yup’ik Eskimos. We are developing a longitudinal study involving ~1,400 Yup’ik Eskimos in 11 communities in rural southwest Alaska using a community-based participatory research (CBPR) framework. We have found obesity prevalence equal to that in the general U.S. population, but although obesity is one of the greatest risk factors for diabetes, type 2 diabetes incidence in the Yup’ik population is less than half that seen in the other areas of the U.S. To understand this better, we are investigating the roles of activity and a traditional diet in prevention of chronic diseases, including diabetes, by obtaining refined measures of physical activity using combined heart rate/movement monitors and assessing diet using Yup’ik-specific food frequency questionnaires as well as dietary biomarkers for polyunsaturated fatty acid intake. We are particularly interested in how a traditional diet and physical activity may modify genetic risk.

In collaboration with colleagues at the University of Washington, we are also involved in a pharmacogenetics network grant to investigate gene-by-environment interactions related to warfarin drug safety and efficacy. In all of our research efforts, we continue to work towards the development of culturally appropriate dissemination strategies to return the full continuum of research results to participants. All projects involve CBPR approaches that include consultation with community partners and Yup’ik leaders.

General Room Locations

Time	Event	Pocatello	Meridian
8:00	Poster Session A	Rend 117/119/120	N/A
8:30	Check In	Rend 117/119/120	Mall
9:00	Welcome	Rend A/B/C	Room 697
9:30	Keynote	Rend A/B/C	Room 697
10:40	Expert Drop-In	Rend 210	Room 684
10:40	Podium A	Following Page	Following Page
11:10	Podium B	Following Page	Following Page
11:10	Podium C	Following Page	Following Page
12:00	Poster Sessions	Rend 117/119/120	Mall
12:00	Lunch	Cyber Café	Mall

Concurrent Podium Paper Presentations

Session A 10:40-11:00

Presenter(s)	Pocatello Location	Meridian Location
Hooper	Rend A/B/C	Room 697
Louis		Room 687
Smith		Room 688
Howlett, Johnson, Erickson	Rend 211	
Wong	Rend 209	
Molinari, Jaiswal	Rend 123	

Concurrent Podium Paper Presentations

Session B 11:10-11:30

Presenter(s)	Pocatello Location	Meridian Location
Madaras-Kelly	Rend A/B/C	Room 697
Decker		Room 687
Erickson, Howlett, Pifer	Rend 211	
Martin, Freudenthal, Howlett	Rend 209	
Lynch	Rend 123	

Concurrent Podium Paper Presentations

Session C 11:40-12:00

Presenter(s)	Pocatello Location	Meridian Location
Trimmer, Farnsworth	Rend A/B/C	Room 697
Madaras-Kelly		Room 687
Easterly	Rend 211	
Moody, Pender	Rend 209	
Batacan	Rend 123	

Podium Paper Presentations – Pocatello & Meridian Via Video

Family Risk and Protective Factors of Adjudicated Youth and Mental Health

Presenter(s): Richard I. Hooper

Prediction of Antibiotic Resistance In Health-Care Associated Pneumonia

Presenter(s): Karl Madaras-Kelly, R Remington, VS Fan, KL Slaon

The Implementation of a Health-IT Academic Focus: A Case Study

Presenter(s): Kenneth Trimmer, Tracy J. Farnsworth, Leigh W. Cellucci, Adam Waldron

Podium Paper Presentations – Meridian

Building an Evidence Base for Primary Sexual Violence Prevention Programs

Presenter(s): Galen Louis, Renae Bieri, Ruiling Guo

Counseling and behavior change from a lipid clinic: Comparing patient behavior and attitude at discharge and one year later.

Presenter(s): Adele Smith

Exploring the Lived Experiences of Healing Touch Level I and II Trainees: A Phenomenological Study

Presenter(s): Gina Decker

The Impact of Guideline Recommended Therapy on the Outcome of Health Care Associated Pneumonia

Presenter(s): Karl Madaras-Kelly

Podium Paper Presentations – Pocatello

Interprofessional Mobile Health Clinic Providing Care to Rural Andean Indigenous Populations: A Model for Cooperative Education and Research

Presenter(s): Bernadette Howlett, Chris Johnson, Cathryn Erickson

Peroxisome Proliferator-Activated Receptor-Gamma Agonist Pioglitazone Modulated the Neuroprotective Properties of Astrocytoma (Astrocytes-Like) Cells In Vitro

Presenter(s): Yin Yin Wendy Wong, Ashvin Jaiswal, Alok Bhushan, Solomon W. Leung, James Lai

Rural Nurse Perceptions and the Intent to Move

Presenter(s): Deana L. Molinari, Ashvin Jaiswal

Combating Food Insecurity through Community-Based Nutrition Interventions: An International Evidence-Based Humanitarian Service Program

Presenter(s): Cathryn Erickson, Bernadette Howlett, Susan Pifer

Interprofessional Clinical Education (ICE) with Physician Assistant and Dental Hygiene Students to Reduce Morbidity and Mortality from Delayed Diagnosis of Oral Cancer

Presenter(s): Dave Martin, Jacque Freudenthal, Bernadette, Howlett, Cathryn Erickson

Serious mental illness and trauma exposure in women in jail

Presenter(s): Shannon Lynch

Bridging Practice and Research: Building Opportunities for Undergraduate Research

Presenters(s): Debra Easterly

Group Leader Summaries: A Narrative Approach to Knowledge Development

Presenters(s): Steve Moody, Rebecca Pender

Wellness and the Dissertation Process: Perspectives from Recent PhD Graduates

Presenters(s): John M. Batacan

Poster Sessions – Contents

Meridian Posters	12:00-1:00	M1 - M11
Pocatello Posters	8:00-9:00 12:00-1:00	P1 - P20 P21 - P40

Poster Sessions – Meridian

M1. Characterizing Differences in the High Risk Behaviors of HIV/AIDS Positive MSM in Health District IV Idaho Who Use the Internet to Seek Sexual Partners

Presenter(s): Anjie Knickrehm, Galen Louis

M2. What is the relationship between consuming nuts and cholesterol levels: a Review of the Literature

Presenter(s): Ruth Schneider, Tracie Chilcott, Kathy Donoher, Alyssa Hobbs, Megan Miller, Michelle Montgomery, Shantel Schirado

M3. Evaluation of mupirocin resistance in Methicillin-Resistant Staphylococcus aureus (MRSA) samples from a regional medical center utilizing the E-test

Presenter(s): Cassie Dayan, Kenneth A. Cornell, John Burch, Galen Louis

M4. Expressive Language Development in Children with Cochlear Implants

Presenter(s): Peter Flipsen Jr, Kathleen Kangas

M5. Dosimetry Studies of Activities of Daily Living

Presenter(s): Ashley Bahr, Jeff Brockett, Gabriel Bargaen

M6. Suicide Prevention Sustainability in Idaho

Presenter(s): Ann Kirkwood, Beth Hudnall Stamm

M7. Late auditory ERPs for final word congruency

Presenter(s): Jeanne M. Johnson

M8. A Follow-up Study on Limiting Developmental Therapy Service Hours

Presenter(s): Jeff Smith

M9. Examining Standardized Patient Use in Undergraduate Nursing Programs

Presenter(s): Paula Molina-Shaver

M10. ISU-Ada County Health Screening: Inter-professional Training in a Community Setting

Presenter(s): Glenda Carr, Miki Goodwin, Rick Tivis, The ISU-Meridian Health Screening Team

M11. ISU-Ada County Health Screening: Taking Healthcare into the Community

Presenter(s): Glenda Carr, Miki Goodwin, Rick Tivis, The ISU-Meridian Health Screening Team

Poster Sessions – Pocatello

P1. Phosphorylation of HSC70 contributes to cancer cross resistance

Presenter(s): Zechary Rios, Christopher Daniels, Peter Sheridan, Tuoen Liu

P2. Money Management: Affects on Student Health and Academic Performance

Presenter(s): Melissa M. Cummins, Susan Jenkins

P3. Oromyofunctional Disorders and Oropharyngeal Dysphagia over the lifespan

Presenter(s): Tony Seikel, Kristine Holzer, Dave Sorensen, James Creelman, Nancy Devine, Deanna Dye, Aaron Eakman, *additional contributors listed on page 13

P4. Effect of the Participation in Dance on Mental Well-Being

Presenter(s): Sierra Patton

P5. Youth Preferences in Prevention of Teenage Pregnancy: A cross sectional survey among students of Idaho State University

Presenter(s): Deepthi Moparthi, Galen Louis

P6. Maintaining Independence after the Transition to an Assisted Living Facility: A Study of Mary

Presenter(s): Joel Vinson, Aaron Eakman, Theodore Peterson,

P7. Initiating a Qualitative Metasynthesis: The Process

Presenter(s): Natalie B. Tanner, Aaron M. Eakman, Bryan Gee

P8. The Occupations and Socialization of a Married Couple in an Assisted Living Facility

Presenter(s): Holly Ridgway, Aaron M. Eakman,

P9. Sensory Deficits Affecting Social Participation and Quality of Life for an Individual in an Assisted Living Facility

Presenter(s): Perry Lords, Aaron M. Eakman, Ted Peterson

P10. Prediction of Condom Use among Chinese College Students: An Application of the Theory of Planned Behavior

Presenter(s): Ruiling Guo, Willis J. McAleese, Galen Louis, Karen Appleby

P11. The Range of Normal Thresholds and Latencies for Tone Burst Auditory Brainstem Responses in Infants

Presenter(s): Hillary N. Trapp, Jennifer E. Holst

P12. Audiometric Equipment: Potential Vectors of Infection

Presenter(s): Steve Forsey, Josara Wallber, Jack Shurley, Gene Scalarone, Jennifer Holst

P13. What is the relationship between consuming fruits and vegetables and adiposity in children: a review of the literature

Presenter(s): Andrea Grim

P14. KCHP Faculty Productivity for Research/Scholarly Activities: Results of a Weighting System from 2006-2009

Presenter(s): Barbara A. Bain, Linda C. Hatzenbuehler

P15. Two Methods of Nonsurgical Periodontal Therapy (NSPT) on Health-Related Quality of Life and Illness for Patients with Chronic Obstructive Pulmonary Disease (COPD): A Randomized Controlled Clinical Trial

Presenter(s): Brooke Agado

P16. Current Status of Degree Completion Programs in Dental Hygiene Education

Presenter(s): Ellen Rogo, Karen Portillo, Kristin Calley, Leigh Cellucci

P17. The effect of beef consumption on cognitive function

Presenter(s): Cynthia Blanton

P18. Group Work with Individuals having Chronic Invisible Physical Illness

Presenter(s): Rebecca L. Tadlock-Marlo, Amanda J. Minor

P19. Teenage Obesity: Ranking Obesity Predictors in America's Youth

Presenter(s): Holly E. Robertson

P20. Occupational Therapists' Use of Sound-Based Interventions

Presenter(s): Bryan Gee, Nancy Devine

P21. Caregivers of an Individual with Alzheimer's Disease in SouthEastern Idaho: How They are Affected by the Care They Give and What Can be Done to Help Them.

Presenter(s): Eli Price, Galen Louis

P22. Differential cytotoxic effects of atorvastatin in human hepatocellular carcinoma and pancreatic adenocarcinoma cells

Presenter(s): Maria B. Lai, Vikas Bhardwaj, James C. K. Lai, Alok Bhushan

P23. Biochanin A enhances anticancer activity of temozolomide in glioblastoma multiforme

Presenter(s): Aditi Jain, Alok Bhushan, James C. K. Lai

P24. Training the Mental Health Workforce of Today for a Better Tomorrow

Presenter(s): Rita C. McNeil, Desaray J. Odekirk, Barbara A. Trolson, Judy McClanahan

P25. Geographical Information System of Asbestos Exposure and Correlation to Risk of Systemic Lupus Erythematosus

Presenter(s): Prabha T. Malamakal

P26. The Client Role in a Pre-Practicum Counseling Skills Course

Presenter(s): Michael Mariska

P27. A Case Series Exploring the Effectiveness of a Sound-Based Intervention With Children Diagnosed With an Autism Spectrum Disorder

Presenter(s): Bryan Gee, Aaron Pierce, Megan Tupin

P28. Differential Cytotoxic Effects of Titanium Oxide Nanoparticles on Peripheral Nervous System Neural Cells

Presenter(s): Shuangyun Lu, Ashvin R. Jaiswal, Yin Yin W. Wong, Alok Bhushan, Solomon W. Leung, Christopher K. Daniels, James C. K. Lai

P29. Knowledge of students with hearing impairment pursuing post-secondary education regarding transition and disability legislation

Presenter(s): Whitney Jacky, Mary Whitaker, Josara Wallber

P30. Cytotoxicity Evaluation of Chitosan and Nanoparticles in Schwann Cells and Dorsal Root Ganglion Neurons

Presenter(s): Wenjuan Gao, James C. K. Lai, Solomon W. Leung

P31. Hands and Drugs: Synthesis of Ligands for Cisplatin Analogs

Presenter(s): Sarah R. Nathan, Byron Bennett

P32. Identification and Modeling of Surface EMG Signals for Smart Prosthetic Hand Design

Presenter(s): Parmod Kumar, Anish Sebastian, Madhavi Anugolu, Chandrasekhar Potluri, Adnan Ilyas, Rohit Sharma

P33. Effectiveness of Service Learning in Physician Assistant Students

Presenter(s): Cynthia Bunde, Bernadette Howlett

P34. Readability: A Factor in Student Research?

Presenter(s): Catherine Gray

P35. An Evaluation of the Biochemical Mechanisms of 4,4'-Disubstituted- 2,2'-Bipyridine Compounds of Pt(II) in Cancer Cells

Presenter(s): Yukari Nishizawa-Brennen, Charles Mower, Caryn Evilia, Byron Bennett

P36. Wideband Acoustic Transfer Functions in Individuals with Middle-Ear Disorders

Presenter(s): Sam Peterson, Chris A. Sanford, Jeff E. Brockett

P37. Investigation Into The Effects of 4,4'-Disubstituted-Bipyridines On The Growth of E. coli

Presenter(s): Ian Hobbs, Byron Bennett, Caryn Evilia

P38. Biological effects of psychoactive pharmaceuticals present in the environment: Testing altered behavior and gene expression in fathead minnows (Pimephales promelas)

Presenter(s): Parag P. Joshi, Michael A Thomas

P39. Homocysteine Uncouples the Catenin/Cadherin Complex and Increases beta-catenin/DNA Binding

Presenter(s): Jason Reynolds, Richard S. Beard, Jr, Shawn E. Bearden

P40. Knowledge and Attitudes of Intimate Partner Violence among Graduate Nursing Students at Idaho State University

Presenter(s): Colin Watts

Division of Health Sciences Research Day

***Additional contributors for Poster #3:**

Jeanne Johnson, Joni Loftin, Alex Urfer, Shelley Ashbocker, Natalie Dahl, Casey Davis-Voldbaek, Katie Erickson, Jeannette Fountain, Sandy Frickey, Carmen Ives, Amanda Klepfer, Do-Heung Ko, Teri Peterson, Elizabeth Subasic, Leah Hall, Erin Hanson, Christie Osterhout, Catie Stibel

Thanks

To Division of Health Sciences, Research Day Sub-Committee:

Pocatello Members -- Cynthia Bunde, Tara Johnson, Deanna Dye, Deb Easterly, John Brannen, Rex Force

Meridian Members -- Jeanne Johnson, Galen Louis, Peter Flipsen Jr, David Talford

To Pocatello Distance Learning Support:

Jim Dalley and team

To Meridian Distance Learning Support:

Casey Skelton and team

To Student Volunteers