Thank you to our MSR Committee Members who have served over this past academic year. Your dedication to the students and the College of Medicine is greatly appreciated.

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Alastair Barber, Ph.D.
Edward Braker, Ph.D.
Kevin Cockroft, M.D.
Cheryl Dellasega, Ph.D.
Joseph Drabick, M.D.
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Bing Han, M.D., Ph.D.
Randy Hauck, M.D.
James M. Herman, M.D., M.S.P.H.
George Harrell, M.D., the founding dean of Penn State Hershey College of Medicine, established the Medical Student Research (MSR) program as an integral part of this medical school’s curriculum. It is a requirement for the M.D. degree. The MSR program gives each medical student an opportunity to participate in mentored medical research. Students gain an understanding of the research process, limitations and variability of data, and an application of research to clinical practice. The MSR program provides the Penn State medical student with a distinct enhancement of his/her application for residency and other postgraduate programs. MSR projects are usually initiated in the first two years but can be conducted later. Projects may be in the clinical, social, or basic medical sciences and may be conducted on campus or at approved off-campus sites, nationally or internationally.

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**Opening Remarks**

Terry Wolpaw, M.D., M.H.P.E.
Vice Dean for Educational Affairs, Professor of Medicine

**Moderator**

Ira Ropson, Ph.D.
Director, Medical Student Research Program
Associate Professor, Department of Biochemistry and Molecular Biology

**Oral Presentations**

**Rimha Ahmed**—Pregaming by College Students as a Risk Factor for Receiving Medical Attention

**Sponsor:** John Hustad, Ph.D.
**Publication**

Gender and Pregaming as Risk Factors for Receiving Alcohol-Related Medical Attention in Mandated College Students—Ahmed R, Hustad FT, Lelatte L, Sersen B.

**Stephanie Goshorn**—Disruption of SUR1 Improves Insulin Sensitivity and Prevents Morphological Changes in Pancreatic Islets Seen in Obese ob/ob Mice

**Sponsor:** Christopher J. Lynch, Ph.D.
**Publication**

Some cannabinoid receptor ligands and their distomers are direct-acting openers of SUR1 KATP channels. Lynch CJ, Zhou Q, Shyng S, Heal DJ, Cheetham SC, Altshuler D.

**Julia Shelkey**—Pre-treatment Serum Carbonic Anhydrase IX (MVI/CAIX) and Tissue Inhibitor of Metalloproteinase-1 (TIMP-1): Ability to Predict Patient Outcome in Metastatic Castration-Resistant Prostate Cancer (CRPC)

**Sponsor:** John Hustad, Ph.D.
**Meeting Presentation**

Pretreatment serum biomarkers and clinical outcome in the phase II trial of Zibotentan (Endothelin A receptor antagonist) in metastatic CRPC (Castration-Resistant Prostate Cancer). Shelkey J, Reen AR, Lelliz K, All-SM, Lampantilla N, Carney WP, Lipton A. Poster presented by Dr. Lampantilla at the 2013 American Society of Clinical Oncology Genitourinary Cancers Symposium, Orlando, FL.

**Poster Presentations**

**Daniel Contract**—Par-4 Sensitizes Human Colon Cancer Cells to Chemoradiotherapy

**Sponsor:** Adam J. Spanier, M.D., Ph.D., M.P.H.
**Publication**

High-dose Melphalan on Day -2 versus Day -1 before Autologous Stem Cell Transplantation for Multiple Myeloma

**Sponsor:** Giampaolo Talamo, M.D.
**Meeting Presentation**


**Publication**


**Megan Klocke**—Livestock Ownership and Healthcare Outcomes in Pestel, Haiti

**Sponsor:** N. Benjamin Fredrick, M.D.

**Poster Presentation**

A Conceptual Model of Achieving Closure in the Patient/Provider Relationship

**Sponsor:** Cheryl DeLaoge, Ph.D.
**Poster Presentation**

Increase in Maternal and Perinatal Morbidity? Thomas Rodgers

**Sponsor:** Cheryl Dellasega, Ph.D.
**Meeting Presentation**