

Second Annual ACPHS Research Forum

Saturday, January 21, 2012

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| 8:30 – 8:40 AM | Welcome Message | President Jim Gozzo |
| 8:40 – 8:50 AM | Introductory Remarks | Provost Mehdi Boroujerdi |
| 8:50 – 9:00 AM | Expanding research and scholarly activities | Vice Provost Shaker Mousa |

Safety/Assessment Session:

9:00 – 9:30 AM

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| > Safety First | Shannon Magari |
| > Assessment driven and faculty steered: enhancing the Research infrastructure | Angela Dominelli |

Oral Sessions:

9:30 – 11:45 AM

I. Pharmacokinetics and Pharmacodynamics (Moderator – Stefan Balaz)

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| > Structure-based Modeling of Drug Receptor Interactions in Full Chemical Detail | Stefan Balaz |
| > Vitamin D analogs and FGF23: do the agents differ? | Darius Mason |
| > An obese rat model to evaluate drug-induced acute kidney injury | Manjunath Pai |
| > Daptomycin dosing across weight strata: weight-based or fixed? | Jill Butterfield |

II. Oncology (Moderator – Shaker Mousa)

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| > Nanoparticle-mediated delivery for targeted cancer therapy | Dhruba Bharali |
| > Structural insights into the role of chromatin reader domains in the MOZ/MORF and HBO1 HATs | Karen Glass |

III. Humanities, Communication, and Pedagogy (Moderator – Michael Pittman)

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| > Communicating professionalism: How do student pharmacists acquire and develop the interpersonal communication competences of their profession? | Paul Denvir/ Jeffrey Brewer |
| > Professional development motives: Engaging faculty to Learn | Patricia Baia |
| > G.I. Gurdjieff and Sufism: Contributions to contemporary American spirituality | Michael Pittman |

11:45 – 1:15 PM Lunch Break and Poster Viewing

Poster Sessions:

I- Pharmacokinetics and Pharmacodynamics

- 1- Monocarboxylate transporter inhibition with L-lactate increases the renal clearance of γ -hydroxybutyrate in humans Robert DiCenzo
- 2- Simultaneous determination of the major metabolites of vitamin D Huadong Cui
- 3- Comparable inhibition of human colon cancer growth by tetraiodothyroacetic acid nanoparticles and erbitux Ahmed Elsaid
- 4- Penetration of vancomycin into epithelial lining fluid in healthy volunteers Thomas Lodise
- 5- Interpretation of plasma concentrations in the case of drugs with high protein binding Marcel Musteata
- 6- Evaluation of once-daily vancomycin against methicillin-resistant *Staphylococcus aureus* in a hollow fiber infection model Anthony Nicasio
- 7- Quality assessment and pharmacokinetics-guided discovery of bioactive ingredients from amazonian plant-cat's claw Haian Zheng

II- Oncology

- 1- Differential of angiogenesis and genes expression in breast cancer molecular subtypes Waleed Al Amri
- 2- Metformin and targeted delivery of biodegradable nanoparticles incorporating Paclitaxel for the therapy of ovarian cancer Ali Bassi
- 3- Nanotechnology and ovarian cancer Emmy Dier
- 4- Cooperative regulation by cytokine family members MIF and D-DT in non-small cell lung cancer-derived angiogenic growth factor production Arlixer Coleman
- 5- Endogenous mammalian cardenolides as novel therapies for malignant lymphoblastic disease Kenneth Ihenetu
- 6- Influence of liquid crystalline structure on the in vitro release and skin penetration of an anticancer drug Luciana Lopes
- 7- Effects of novel heparin-derived compounds on tumor uptake of chemotherapeutics and chemo-response Patricia Phillips
- 8- A novel denaturing hetroduplex tracking assay for genotypic prediction of HIV-1 tropism Binshan Shi
- 9- Disruption of cell polarity by the CagA cytotoxin of *Helicobacter pylori* Markus Stein
- 10- Developing material for superior absorption of chemotherapy through an extracorporeal loop Majde Takieddin
- 11- Anti-cancer and anti metastatic potential of heparin derivatives in cancer management: special emphasis on pancreatic cancer Sudha Thingralla
- 12- Anti-proliferative, anti-angiogenesis, and reversal of chemo-resistance by specific cathepsin L inhibitors Murat Yalcin

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| III- | Humanities, Communication, and Pedagogy | |
| | 1- The Current and future state of cytology in New York State (NYS): A needs assessment study | Indra Balachandran |
| IV- | Health Outcomes and Environmental Health | |
| | 1- An observational study in hypertensive diabetic patients | Michael Kane |
| | 2- Novel treatments for increasing HDL-C | Rashed Alrashed |
| | 3- Trajectories of children's health: asthma, inequalities and the impact of parental resources | Wendy Parker |
| V- | Oxidative Stress and Inflammatory Disorders | |
| | 1- Role of NFkB Pathway and potential of estrogen and its nanoformulation in sepsis | Nawaf Almeshal |
| | 2- Differential effect of IV iron compounds on intracellular reactive oxygen species (ROS) generation in aortic coronary endothelial cells | Amy Barton-Pai Robert Levin |
| | 3- Stone formation in cystinuria mice: Effects of ovariectomy | |
| | 4- Human platelet aggregation and de-granulation is induced In-vitro by L-tetraiodo thyronine, but not by L-triiodo L-thyronine or DIPTA | Shaymaa Mousa |
| | 5- Thermoregulatory and cardiovascular effects of bacterial lipopolysaccharide: central versus peripheral actions | Alexandre Steiner |