

Thursday

October 24, 2013

**Central Research Forum**

**Program**

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| **3:00 – 5:00 p.m.**  **Apollo Room** | **Poster Set-up** | | |
| **4:00 p.m.**  **Endeavor Room**  **156 Student Union** | **Welcome**  **Marjorie A. Bowman, M.D., M.P.A.,**  Dean | | |
| **4:10 – 5:00 p.m.**  **Endeavor Room**  **156 Student Union** | **Keynote Session: *Building a Translational Research Collaboration in Orthopedic Surgery***  **Richard Laughlin, M.D.**  ***Professor and Chair of Orthopaedic Surgery, Sports Medicine and Rehabilitation***  **Dana Duren, Ph.D.**  ***Associate Professor of Community Health***  **Arthur S. Pickoff, M.D. (Moderator)**  ***Interim Associate Dean for Research Affairs*** | | |
| **5:00 – 5:30 p.m.**  **Endeavor Room**  **156 Student Union** | **Data Blitz** | | |
|  | **Mark M. Rich, M.D., Ph.D. - Moderator**  Professor, Neuroscience, Cell Biology, and Physiology | |
|  |  | * Andrew Froehle #10 * Marvin Miller #16 * Natalie Pyatka #23 * Jeff Flinn #24 * David Wood #25 * Ziad Haidar #30 * Pavani Beesetty #32 * Patrick Sonner #34 | * Whittney Warren #39 * Ofor Ewelukwa #45 * Thomas Pitts #46 * David Cha #49 * Jinju Wang #50 * Sridevi Gutta #52 * Laale Alawi #53 |
| **Reception and poster session follow immediately in the Apollo Room** | | | |
| **7:30 p.m.** | **Conclusion of 2013 Central Research Forum** | | |

**Posters/Alpha Listing**

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| **Poster #** | **Name** | **Poster #** | **Name** |
| 29 | Ali **Abtahi** | 7 | Miryoung **Lee** |
| 53 | Laale **Alawi** | 61 | James **Lucot** |
| 35 | Renee **Albers** | 43 | Ashish **Mahajan** |
| 37 | Sultan **Alhayyani** | 22 | Nadia **Merchant** |
| 64 | Mohammed **Almutairi** | 27 | Sabrina **Metzger** |
| 2 | Joanna **Barthelemy** | 16 | Marvin **Miller** |
| 32 | Pavani **Beesetty** | 42 | John **Muriithi** |
| 49 | David **Cha** | 57 | Mackenzie **Newman** |
| 8 | Audrey **Choh** | 47 | Nkeiruka **Okoye** |
| 28 | Paul **Craig** | 20 | John **Pascoe** |
| 4 | Raminta **Daniulaityte** | 41 | Brian **Patterson** |
| 13 | Adam **Deardorff** | 46 | Thomas **Pitts** |
| 38 | Savannah **Doliboa** | 23 | Natalie **Pyatka** |
| 6 | Dana **Duren** | 36 | Moner **Ragas** |
| 62 | Sana **Emberesh** | 21 | Richard **Rapp** |
| 5 | Rosemary **Eustace** | 31 | Kari **Rudinsky** |
| 45 | Ofor **Ewelukwa** | 51 | Ekta **Shah** |
| 24 | Jeff **Flinn** | 63 | Neelima **Sharma** |
| 19 | Shalini **Forbis** | 9 | Richard **Sherwood** |
| 59 | Abdullah **Freiwan** | 48 | Michelle **Shipp** |
| 10 | Andrew **Froehle** | 18 | Ranjana **Sinha** |
| 60 | Nadja **Grobe** | 58 | Andrew **Snyder** |
| 52 | Sridevi **Gutta** | 34 | Patrick **Sonner** |
| 30 | Ziad **Haidar** | 44 | Charles **Stahlmann** |
| 33 | Dan **Halm** | 11 | Raymond **Ten Eyck** |
| 1 | Natasha **Hill** | 26 | Jinling **Wang** |
| 14 | Hicham **Ismail** | 50 | Jinju **Wang** |
| 3 | Madhavi **Kadakia** | 39 | Whittney **Warren** |
| 55 | Nada **Kashkari** | 56 | Bradley **Williams** |
| 15 | Paul **Koles** | 25 | David **Wood** |
| 12 | Barbara **Kraszpulska** | 17 | Heather **Workman** |
| 40 | Katrina **Lawrence-Wolff** | 54 | Xiang **Xiao** |

**Poster Session**

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| --- | --- |
| **1** | **Natasha Hill (Biochemistry and Molecular Biology)**  Mary Leonard, Ethan Grant, Madhavi Kadakia  *ΔNp63α Represses Nuclear Translocation of PTEN by Inhibition of NEDD4-1 in Keratinocytes* |
| **2** | **Joanna Barthelemy (Biochemistry and Molecular Biology)**  Guoqi Liu, Sheré Myers, Xiaomi Chen, John Bissler, Richard Sinden, Joanna Barthelemy, Michael Leffak  *Replication Fork Stalling and Checkpoint Activation by a PKD1 Locus Mirror Repeat Polypurine-Polypyrimidine(Pu-Py)Tract* |
| **3** | **Madhavi Kadakia (Biochemistry and Molecular Biology)**  Natasha Hill, Andrew Whitlatch  *Dose dependent effects of 1α25-dihydroxyvitamin D3 Dose on Keratinocyte Proliferation and ΔNp63α stabilization* |
| **4** | **Raminta Daniulaityte (Community Health)**  R. Falck, R. Carlson  *HIV Sex Risk Behaviors among Young Adult, Non-Medical Users of Pharmaceutical Opioids* |
| **5** | **Rosemary Eustace (Nursing)**  Josephine Wilson;Khadija Yahya-Malima; Jo Ann Ford;Tumaini Nyamhanga; Columba Mbekenga; Windy Richlen  *Risk factors for HIV transmission: Findings from a cross - sectional study in Iringa, Tanzania* |
| **6** | **Dana Duren (Community Health)**  Andrew Froehle, Richard Laughlin, Richard Sherwood  *Gait characteristics in women five years after bariatric surgery relate to post-surgical weight loss* |
| **7** | **Miryoung Lee (Community Health)**  Audrey Choh, Joanne Curran, Ellen Demerath, Thomas Dyer, John Blangero, Bradford Towne, Stefan Czerwinski  *Significant Associations between Genetic Variation on Chromosome 10p and Arterial Stiffness in Adults from the Fels Longitudinal Study* |
| **8** | **Audrey Choh (Community Health)**  Miryoung Lee, Joanne Curran, Ellen Demerath, Thomas Dyer, Roger Siervogel, John Blangero, Bradford Towne, Stefan Czerwinski  *Genetic Linkage and Association of Echocardiographic Measures in the Fels Longitudinal Study* |
| **9** | **Richard Sherwood (Community Health)**  Dana Duren, Janardan Subedi, Sarah Williams-Blangero  *Dissecting the genetic influence of the orofacial complex* |
| **10** | **Andrew Froehle (Community Health)**  Ramzi Nahhas, Richard Sherwood, Dana Duren  *Age at menarche predicts base of support during walking and knee injury risk in adolescent girls* |
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| **11** | **Raymond Ten Eyck (Emergency Medicine)**  Paul Ten Eyck  *Milestone Tracking and Documentation Augmented via an Electronic Tool Tailored to an Emergency Medicine Simulation Curriculum* |
| **12** | **Barbara Kraszpulska (Neuroscience, Cell Biology, and Physiology)**  Elizabeth Ranasinghe  *Does traditional cadaver dissection fit in an integrated team-based learning medical course?* |
| **13** | **Adam Deardorff (Neuroscience, Cell Biology, and Physiology)**  Mark Willis  *Developing a Research-Focused Learning Community at Boonshoft School of Medicine* |
| **14** | **Hicham Ismail (Pathology)**  Adrienne Stolfi, Adrian Corbett, Khalid Elased, Nicole Borges, Dean Parmelee, Paul Koles  *How Does Participation in Team-Based Learning Affect Medical Students' Longer-Term Learning?* |
| **15** | **Paul Koles (Pathology)**  Nicole Borges  *Becoming A Professional: Retrospections of Fourth-Year Medical Students, 2004-2011* |
| **16** | **Marvin Miller (Pediatrics)**  *Elevated 1,25 Dihydroxyvitamin D Levels in Infants with Multiple Unexplained Fractures: Evidence of Metabolic Bone Disease in Infants Alleged to Have Been Abused* |
| **17** | **Heather Workman (Pediatrics)**  Marvin Miller  *Favorable Response to Minocycline in Affected Males in a Family with X-linked DLG3 Intellectual Disability* |
| **18** | **Ranjana Sinha (Pediatrics)**  Rachel Riddiford  *Engaging a Hospital-Wide Discussion About Childhood Overweight and Obesity* |
| **19** | **Shalini Forbis (Pediatrics)**  Adrienne Stolfi, Paul Blair, Arthur Pickoff  *Parental Health Literacy and Knowledge of Child's Cardiac Diagnosis* |
| **20** | **John Pascoe (Pediatrics)**  Richard Rapp, Stephanie Cooper  *Concordance & Discordance Between Parents and Pediatricians Regarding Their Partnership: Do Parents and Pediatricians Agree on Characteristics of Partnership* |
| **21** | **Richard Rapp (Pediatrics)**  John Pascoe  *Predictors of social capital among parents of children in pediatric practices* |
| **22** | **Nadia Merchant (Pediatrics)**  Ann Burke, Sherman Alter  *Meningitis Secondary to Sinusitis Complicated with Hypercoagulable State Leading to Ischemia* |
| **23** | **Natalie Pyatka (Biomedical, Industrial, and Human Factors Engineering)**  Jeff Flinn, Amie Miller, Jacob Brewer, Jinling Wang, Yiman Lou, Caroline Cao  *Yelling will not make me learn better!* |
| **24** | **Jeff Flinn (Biomedical, Industrial, and Human Factors Engineering)**  Amie Miller, Michael Galloway, Katherine Lin, Keith Watson, Minia Hellan, Randy Woods, Caroline Cao  *Development and Usability Testing of an Online Tool for Intraoperative Assessment of Surgical Residents* |
| **25** | **David Wood (Biomedical, Industrial, and Human Factors Engineering)**  Jeff Flinn, Caroline Cao  *Technology-Based Procedure for Automatic and Objective Error Measurement in FLS Pattern Cutting Task* |
| **26** | **Jinling Wang (Biomedical, Industrial, and Human Factors Engineering)**  Amine Chellali, Caroline Cao  *Teacher-Student Haptic Guidance in Remote Manipulation* |
| **27** | **Sabrina Metzger (Biomedical, Industrial, and Human Factors Engineering)**  Benjamin Schmitt, Kevin Carnahan, George Anstadt, Daniel Carver, David Reynolds, Mark Anstadt  *Novel Use of Ultrasound to Characterize Strain Rates in Mock Heart Ventricles* |
| **28** | **Paul Craig (Surgery)**  J. Saxe, P. Parikh  *Hernia Repairs and Outcomes: Does Gender Matter?* |
| **29** | **Ali Abtahi (Surgery)**  Stephanie D. Mathew  *Reclast induced Dermatomyositis in a 59-year old female* |
| **30** | **Ziad Haidar (Obstetrics and Gynecology)**  David McKenna, Cathy Downing, Kristen Eichorn, Jiri Sonek  *Implementation of a Universal Second Trimester Cervical Length Screening Program in a High Risk Population* |
| **31** | **Kari Rudinsky (Obstetrics and Gynecology)**  CM Kovac, JD Sonek, DS Mckenna, AD Shields  *Effects of maternal hyperglycemia on placental vascular responsiveness* |
| **32** | **Pavani Beesetty (Neuroscience, Cell Biology, and Physiology)**  Siham Hourani, Masayuki Matsushita, J. Ashot Kozak  *Regulation of TRPM7 channel-kinase by intracellular pH* |
| **33** | **Dan Halm (Neuroscience, Cell Biology, and Physiology)**  Jin Zhang, Susan Halm  *Activation of electrogenic K secretion requires BK channels in guinea pig distal colon* |
| **34** | **Patrick Sonner (Neuroscience, Cell Biology, and Physiology)**  David Ladle  *Modulation of reciprocal facilitation in mouse spinal cord during postnatal development* |
| **35** | **Renee Albers (Neuroscience, Cell Biology, and Physiology)**  Melissa Kaufman, Chanel Keoni, Martha Hughes, Bryony Natale, David Natale, Thomas Brown  *Prolonged Expression of Hypoxia-Inducible Factor 1 alpha (HIF-1a) Leads to Placental Abnormalities* |
| **36** | **Moner Ragas (Neuroscience, Cell Biology, and Physiology)**  Maria Balch, Amber Hensley, Danny Wright, Kenney Reynolds, Bryce Kerr, Adrian Corbett  *Stroke Physical Rehabilitation: Impact on Motor Functional Recovery in Drug Treated Versus Vehicle Treated Rats* |
| **37** | **Sultan Alhayyani (Neuroscience, Cell Biology, and Physiology)**  SE Clabaugh, P Arumugam, JD Miller, LE Wrenshall  *Expression of the Alpha, Beta, and Gamma Subunits of the Interleukin-2 Receptor by Human Vascular Smooth Muscle Cells.* |
| **38** | **Savannah Doliboa (Neuroscience, Cell Biology, and Physiology)**  Thomas Brown  *Promoter-Driven Gene Targeting of the Trophoblast Giant Cells* |
| **39** | **Whittney Warren (Internal Medicine)**  Elizabeth Stewart  *Malignant mimicker: Characterization of malignancy in incidentally discovered pulmonary nodules within a histoplasmosis endemic area* |
| **40** | **Katrina Lawrence-Wolff (Internal Medicine)**  Stephanie Mathew  *What if it is Lupus: A Case of Mistaken Identity* |
| **41** | **Brian Patterson (Internal Medicine)**  Brian Burke, Colleen McCormick  *Comorbid Infection with Hepatitis C Virus as a Predictor for Lower Extremity Compromise in Diabetic Patients* |
| **42** | **John Muriithi (Internal Medicine)**  Dean Bricker, Bruce Scott  *Burkitt's Lymphoma Presenting with Lactic Acidosis and Hypoglycemia: A Case of the Warburg Effect* |
| **43** | **Ashish Mahajan (Internal Medicine)**  Harvey Hahn, Susan Bal  *Application of Appropriate Use Criteria for Nuclear Stress Myocardial Perfusion Imaging Using a Convenient Smartphone Application* |
| **44** | **Charles Stahlmann (Internal Medicine)**  Elizabeth Stewart  *Airway Centered Interstitial Fibrosis: A Scarcely Reported Lung Disease* |
| **45** | **Ofor Ewelukwa (Internal Medicine)**  R Pendlimari, I Ditah, AR Zinsmeister, Barbara Yawn, L Joseph Melton III, AE Bharucha  *Risk Factors And Trends For Complicated Diverticulitis: A Population-Based Study* |
| **46** | **Thomas Pitts (Internal Medicine)**  Jacob Kitchener, Bryan Ludwig, John Terry, William Protzer  *Treatment of a large, extradural internal carotid aneurysm with flow diversion using a covered stent (JOSTENT)* |
| **47** | **Nkeiruka Okoye (Internal Medicine)**  Geetika Kumar, D. Kahlon, Deborah Thomas, Loveleen Bains, LaDona Hinkle  *Randomised Open label Study of Early Palliative Care for Veterans with Advanced Stage Solid Cancers* |
| **48** | **Michelle Shipp (Internal Medicine)**  Elizabeth Stewart  *Epithelioid Hemangioendothelioma: Rare Case in Elderly Gentleman* |
| **49** | **David Cha (Pharmacology and Toxicology)**  Jeannine Crum, Francisco Alvarez-Leefmans  *Expression of water channels, Na+/K+ pump, and Na-K-2Cl co-transporters in mouse choroid plexus* |
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| **50** | **Jinju Wang (Pharmacology and Toxicology)**  Shuzhen Chen, Ji Chen, Xiang Xiao, Yanfang Chen  *Effects of Endothelial Progenitor Cell-derived Microvesicles on Hypoxia-reoxygenation Induced Endothelial Dysfunction and Apoptosis* |
| **51** | **Ekta Shah (Pharmacology and Toxicology)**  William Grunwald, Teresa Garrett, Thomas Brown, James Lucot, David Cool  *Effect of Q-VD-OPh on Neurodegeneration and Neuroinflammation of Sarin exposed mice* |
| **52** | **Sridevi Gutta (Pharmacology and Toxicology)**  Hari Somineni, Gregory Boivin, Khalid Elased  *Role of Physical Exercise Training on Renal and Urinary Neprilysin Protein Expression in db/db mice* |
| **53** | **Laale Alawi (Pharmacology and Toxicology)**  Harshita Chodavarapu, Nadja Grobe, Khalid Elased  *Rosiglitazone normalized Hyperglycemia and increased renal neprilysin protein expression in db/db diabetic mice.* |
| **54** | **Xiang Xiao (Pharmacology and Toxicology)**  Cheng Zhang, Shuzhen Chen, Jinju Wang, Yanfang Chen, Ji Chen  *Effects of Endothelial Microvesicles on Ang II-induced Dysfunction and Apoptosis in Cerebral Endothelial Cells* |
| **55** | **Nada Kashkari (Pharmacology and Toxicology)**  Harshita Chodavarapu, Nadja Grobe, Essam Salem, Hari Somineni, Khalid Elased  *Regulation of ADAM17 and ACE2 in db/db Mice Treated with Rosiglitazone* |
| **56** | **Bradley Williams (Pharmacology and Toxicology)**  William Grunwald Jr., Norma Adragna, Peter Lauf, David Cool  *Tracking the Cellular Location of Chelerythrine via MALDI-TOF MS* |
| **57** | **Mackenzie Newman (Pharmacology and Toxicology)**  Dan Yi, Ji Chen, Yanfang Chen, Richard Simman  *Tolfenamic Acid Induces Cell Apoptosis and Inhibits Collagen Accumulation in Keloid Fibroblasts* |
| **58** | **Andrew Snyder (Pharmacology and Toxicology)**  Sharon Ochs, Brooke Johnson, Courtney Sulentic  *TCDD-induced Activation of the Human Immunoglobulin hs1,2 Enhancer is Not Altered by Mutation of Transcription Factor Binding Sites Within the Polymorphic Region* |
| **59** | **Abdullah Freiwan (Pharmacology and Toxicology)**  Brooke Johnson, Courtney Sulentic  *Elucidating the role of the polymorphic human hs1,2 enhancer in the effects of TCDD* |
| **60** | **Nadja Grobe (Pharmacology and Toxicology)**  Orly Leiva, Khalid Elased, Mariana Morris  *Loss of prolyl carboxypeptidase in mice with renovascular hypertension* |
| **61** | **James Lucot (Pharmacology and Toxicology)**  Ajay Sharma, Teresa Garrett, Khalid Elased  *Behavioral battery and urinary dopamine in obese diabetic mice: effects of improved glucose use.* |
| **62** | **Sana Emberesh (Pharmacology and Toxicology)**  Esam Salem, Nadja Grobe, Khalid Elased  *Insulin Normalizes Angiotensin Converting Enzyme 2(ACE2) and attenuates Albuminuria in Type 1 Diabetic Akita Mice.* |
| **63** | **Neelima Sharma (Pharmacology and Toxicology)**  Peter Lauf, Norma Adragna  *Apelin regulation of potassium chloride cotransport (KCC) in vascular smooth muscle cells (VSMCs): Relation to Cardiovascular Disease (CVD)* |
| **64** | **Mohammed Almutairi (Pharmacology and Toxicology)**  Shams Kursan, R. P. Andrade, Saeed Alshahrani, Mauricio Di Fulvio  *Fast and simple method to purify pancreatic islets for gene expression analysis* |

**Save the Date**

**The next Central Research Forum will be held Thursday, October 16, 2014.**

**Please remember to mark your calendar, and save the date!**



Office of Research Affairs