DISCOVER POSTERS

POSTER SESSION
ACROSS THE HOSPITAL

2:30PM - 3:30PM

CABOT ATRIUM

1. LncRNA SNHG12 regulates vascular senescence and atherosclerosis by targeting a DNA-PK-mediated DNA damage response Stefan Haemming, PhD

2. Longer Time in Therapeutic Blood Pressure Range Protects Against Major Adverse Cardiovascular Events and All-Cause Mortality in Patients with Hypertension: A Post-hoc Analysis of SPRINTDNA damage response Nayyra Fatani, PharmD

3. IncRNA Chronos deficiency alleviates induced pathological cardiac hypertrophy and fibrosis Debalina Bagchi, PhD

4. Sacubitril-Valsartan Prevents Cardiac Dysfunction Induced by Oxidative Stress in a Novel Chemogenetic Model of Heart Failure Andrea Sorrentino, PhD

5. ACTRIIA-Fc Rebalances Activin/Growth and Differentiation Factor (GDF) and Bone Morphogenetic protein (BMP)-9 Signaling to Attenuate Experimental Pulmonary arterial Hypertension Lai-Ming Yung, PhD

6. Short-term pre-operative dietary protein and calorie restriction to improve vascular surgery outcomes Jack Ruske, BS

7. Glucose Increases Hexokinase-2 Expression and Glycolytic Capacity in Anaplastic Thyroid Cancer Abha Aggarwal, PhD

8. Bone Mineral Density and Trabecular Bone Score Associations with Diabetes in the VITamin D and OmegA-3 Trial (VITAL): Effects on Bone Structure and Architecture Study Meryl S. LeBoff, MD

9. Diabetes medication cessation at discharge predicts 1-year diabetes remission following bariatric surgery Keyvan Heshmati, MD

10. Interim Results from a Prospective Human Study of the Immuno-Metabolic Effects of Sleeve Gastrectomy Tammy Lo, MD

11. Yan Li, MD, PhD

12. Integrating an Online Weight Management Program with Population Health Management in the Primary Care Setting: Design and Baseline Characteristics of the PROPS Study (Partnerships for Reducing Overweight and Obesity with Patient-centered Strategies) Barbara De La Cruz, BA

13. Molecular Imaging in Early Detection of Diabetic Retinopathy Yupeng Tu, PhD
14. Crosstalk between Lipid Metabolism and Mitochondrial Bioenergetics in Tuberous Sclerosis Complex Taylor Kavanagh, BS, MS Candidate

15. Using 3D Models to Optimize the Surgical Approach for Resection of Skull Base Tumors Nir Ben-Shlomo, BA

16. Using Augmented Reality to Visualize Inner Ear Structures for Surgical Planning of Temporal Bone Defects Nir Ben-Shlomo, BA

17. Chromatin accessibility landscapes of large and small airway cells annotate multiple COPD susceptibility GWAS regions Christopher Benway, PhD

18. IL-6 is Upregulated in TSC2-Deficient Cells and in LAM Patient Serum: Potential Role in LAM Pathogenesis and Therapy Ji Wang, MD

19. The asthma susceptibility gene ORMDL3 regulates autophagy in human bronchial epithelial cells Yuan Hao, PhD

20. Matrix Metalloproteinase-8 (MMP-8) Deficiency Improves Host Responses to Influenza Viral Infections Xiaoyun Wang, PhD

21. Physiologic Basis of Increased Levetiracetam Clearance during Pregnancy as a Tool for Optimizing Seizure Control in Women with Epilepsy Emile Ansari, BS

SCHUSTER LOBBY

22. Use of Patient Portal to Recruit Domestic Violence Survivors to Intervention Study Annie Lewis-O’Connor, PhD, NP, MPH

23. Association of Perceived Stress with Evoked Psychological and Hemodynamic Stress Response in Midlife Women Julia Russell, BA

24. Stress Reactivity and Regulation In Pregnant Women With Severe Mental Illness Andrea Yessaillian

25. Association between Postpartum Pain and Risk of Postpartum Depression: A Retrospective Cohort Study Jie Zhou, MD, MS, MBA

26. Preventing Catheter Associated Bloodstream Infection Through Maria Bentain-Melanson, MSN, BSN

27. Engagement Among Members of the Nursing Committees Maria Bentain-Melanson, MSN, BSN

28. Classification of Injurious Fall Severity in Hospitalized Patients Zoe Burns, MPH

29. Improving Care in the Midst of the Opioid Crisis Hannah Chapman, BSN

30. Patient Activation Related to Fall Prevention: A Multi-Site Study Comparing Patient Activation Before and After Fall TIPS: Tailoring Interventions for Patient Safety Taylor Christiansen, BS

31. Needs assessment and development of CSS ICU mentorship program Mary Lou Cullen, MSN, RN

32. Utilizing Simulation to Promote a Culture of Safe Practice Among Nursing Staff Caring for Patients With Maladaptive Coping: a quality improvement initiative Michael Ferrazzi, MSN
33. Engagement in Family Screening for Hypertrophic Cardiomyopathy Michelle Glowny, BS, MSN
34. The Quadramed Epic Connection Elizabeth Harmon, BSN
35. Comparison of 3 methodologies of blood pressure monitoring for continuous flow LVAD support Karen Morth, MSN
36. Ventricular Assist Device: Patients Perceptions of Hospital Readmissions Deborah Reynolds, DNP
37. CONCERN Factorial Design Survey Methods Test: Using REDCap as a Survey Platform Jose Garcia, Jr., BA
38. Optimization of Audit Data Visualization as a Tool for Sustainability of an Evidence-Based Fall Prevention Program Srijesa Khasnabish, BA
39. Leadership Lead the culture change on Hand Hygiene compliance rate at MICU Hasna Hakim, DNP
40. Sensitivity to reward valuation under stress in major depressive disorder Sarah Boukezzi, PhD

GIFT SHOP - MEZZANINE

41. Implementation of a Patient Safety Dashboard Kerrin Bersani, BS
42. visByGene: Shiny Tool For Visualizing Genomic Data Shweta Gopaulakrishnan, MS
43. Systemic Treatment Following Surgical Resection in Patients with a Solitary Breast Cancer Brain Metastasis Logan Cho, BS Candidate
44. Development of a positive psychology intervention in patients post hematopoietic stem cell transplantation - Qualitative Research Phase Hermione Lokko, MD, MPP
45. Partners HealthCare BioBank Ashley Mici, BS
46. All of Us Research Program Ashley Mici, BS
47. Pain Sensitivity Outcomes Measured in Fibromyalgia Patients and Healthy Controls through Cuff Pressure Algometry Lauren Papianou, BS
48. Identification of novel risk factors for bleeding complications following native kidney biopsy Zoe Kibbelaar, AB
49. The Partners HealthCare Biobank: Returning Unanticipated Genomic Results to Participants Carrie Blout, MS, CGC
50. Low Level Mosaicism in Tuberous Sclerosis Complex (TSC): prevalence, clinical features and transmission risk Krinio Giannikou, PhD
52. In vivo quantitative analysis of oncolytic virus-tumor kinetics Hirotaka Ito, MD, PhD
53. Adult Spinal Deformity Surgery: A Systematic review of Venous Thromboprophylaxis and Incidence of Venous Thromboembolic Events Nayan Lamba, BA

54. The Effectiveness of Antiepileptic Medications as Prophylaxis of Early Seizure in Traumatic Brain Injury Patients Compared to Placebo: A Systematic Review and Meta-Analysis Marco Mammi, MD

55. Identifying Naturalistic Coaching Behavior among Practicing Surgeons in the Operating Room Jason Pradarelli, MD, MS

56. Impact of personal pain perceptions on pain sensitivity outcomes Abby Warren

57. Combating burnout by improving sleep health in healthcare workers Natalie Viyaran, BS

58. Prevalence of Burnout Among Physicians: A Systematic Review and Meta-Analysis Lisa Rotenstein, MD, MBA

59. Identify Patients for Early Palliative Care Intervention Using Deep Learning and EHRs Liqin Wang, PhD

MILLER ATRIUM

61. Brachial Plexus Block with Liposomal Bupivacaine (EXPAREL) Compared to Placebo Showed Improved Analgesia and Reduced Opioid Consumption after Shoulder Surgery Xiang Bai, MD, PhD

62. The Risk of Complications Associated with Spinal Deformity Surgery in the Elderly Population: A Meta-Analysis Paola Calvachi, MD, MSc

63. The Safety and Efficacy of Tranexamic Acid (TXA) in Adult Spinal Deformity Surgery: A systematic review and meta-analysis Alexander Hulsbergen, BS

64. The importance of chirality for quinazolinone derivatives that increase survival motor neuron protein for spinal muscular atrophy Kevin Hodgetts, PhD

65. The Role of Thyroid Hormone in the Beneficial Effects of Stretching Colleen Carmody, BS

66. The role of selenocysteine lyase in the skeletal muscle Ashley Ogawa-Wong, PhD

67. The impact of Sarcopenia on Mortality in Patients with Necrotizing Soft Tissue Infections Manuel Castillo-Angel, MD

68. Role of BNC1 in keratinocytes proliferation and migration: a critical regulator of wound healing? Rafik Boudra, PhD

69. Exploring the role of IgA on gut microflora Himabindu Kolli, MBBS

70. Human Vagus Produces Specialized Pro-Resolving Mediators of Inflammation with Electrical Stimulation Reducing Pro-Inflammatory Eicosanoids Charlotte Jouvene, PhD

71. Emergency Intraoperative Vascular Surgery Consultations at Brigham and Women’s Hospital James O’Leary, BS
72. A National Assessment of Trauma Systems Using the ACS NBATS Tool: Geographic Distribution of Trauma Center Need  
Molly Jarman, PhD, MPH

73. Investigating the Inter-Observer Reproducibility of the Urine Sediment Exam  
Mia Colona

74. The Brain Health Champion Study: Promoting Non-Pharmacological Interventions in Cognitive Disorders  
Hope Schwartz, BA

75. Capturing Hospitalized Patients’ Safety Concerns: the MySafeCare Application  
Julie Snyder, BS

HALE CAFE ATRIUM (AWARD WINNERS)

76. Identifying Preoperative Predictors of Weight Loss and Weight Regain for Roux-en-Y Gastric Bypass: a Prospective Human Study  
Hassan Aliakbarian, MD

77. DNA-engineered micromotors powered by metal nanoparticles for motion-based cellphone diagnostics  
Mohamed Draz, PhD

78. A Novel Icterometer for Hyperbilirubinemia Screening in Low-Resource Settings  
Lian Folger, BA

79. In vitro validation of novel neuronal target genes implicated in Alzheimer’s disease using a human iPSC-induced neuron system  
Julie Merchant, BA

80. Psychological Profile Predicting Treatment Non-Adherence to Anti-Estrogen Therapy in Early-Stage Breast Cancer Patients  
Margo Nathan, MD

81. CRISPR/Cas9 pharmacogenomic screen of small molecule inhibitors of clonal hematopoiesis of indeterminate potential (CHIP)  
Andrew Nguyen, BS

82. Hypertensive Disorders in First Pregnancy and Maternal Cardiovascular Disease: Mediation by Postpartum Cardiovascular Risk Factors  
Jennifer Stuart, ScD, MSc, BA

83. BRAINcode: an encyclopedia of human dopamine neuron transcriptomes in health and disease  
Xianjun Dong, PhD