

We would like to thank the following donors for their generous support of student summer research:

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**HOFSTRA NORTHWELL
SCHOOL of MEDICINE
AT HOFSTRA UNIVERSITYSM**

Scholarship Day

*November 2, 2016
6:30PM*

56. Use Of Perioperative Glucose Management During Cardiac Surgery To Reduce Incidence Of Post-surgical Complications
Elena Thompson, Mengxi Ji under the guidance of Dr. Linda Shore-Lesserson and Dr. Oonagh Dowling
57. Physician perspectives on iStop and EHR interface
Ana Valle under the guidance of Dr. Lauren Block
58. Is Nutritional Status an Important Indicator of Severity and Outcomes in Acute Pancreatitis?
Benjamin Villacres Mori, Rachel Gray, Peter Nauka, Tabia Santos, under the guidance of Dr. Horacio Rilo
59. Serum MMP-9 Levels Correlate with the Severity of Intervertebral Disc Herniation in Patients
Timothy Walden under the guidance of Dr. Nadeen Chahine
60. Liquid Embolic Agents for Pulmonary Vascular Interventions
Chris Wang, under the guidance of Dr. Craig Greben
61. The Efficacy of Aspirin for VTE Prophylaxis in Low Risk Orthopedic Surgery Patients
Nicole Wei, Madison Daly and Frank Mota under the guidance of Dr. Eugene Krauss, Dr. Ayal Segal, Dr. MaryAnne Cronin and Nancy Dengler
62. Evaluating the Efficacy and Mechanism of Action of Disulfiram (Antabuse) in the Treatment of Pancreatic Ductal Adenocarcinoma
Michael Wotman under the guidance of Dr. David Tuveson and Dr. Herve Tiriac
63. Patient, Faculty and Learner Perspectives on Interprofessional Education in a Primary Care Resident Practice
Pratiksha Yalakkishettar under the guidance of Dr. Lauren Block
64. Proteomic Technology And Biomarker Discovery: The Future Of Embryo SelecCon
Arielle Yeshua, under the guidance of Dr. Alan Copperman
65. Thoracic Non-Vascular Uses of nBCA
Edward Zhou under the guidance of Dr. Craig Greben

**Please proceed to the east building's atrium
to view posters 1-20.**

1. Utility of Telemetry Heart Rhythm Monitoring in Patients Presenting with CVA and TIA
Taner Aydin under the guidance of Dr. Amgad Makaryus, Dr. Goustina Adly, Dr. David Bass and Dr. Roman Zeltser
2. ANA+ B Cell Development in Two Lupus Mouse Models
Ashley Barlev, under the guidance of Dr. Betty Diamond and Dr. Jolien Suurmond
3. Evaluation of Gender, Ethnic and Racial Diversity Across U.S. ACGME Accredited Orthopaedic Subspecialty Fellowship Programs
Levi Brown under the guidance of Dr. Lewis Lane and Dr. Selina Poon
4. Outcomes of Low Gradient vs. High Gradient Aortic Stenosis After Transcatheter Aortic Valve Replacement
Nicholas Chan under the guidance of Dr. Perwaiz Meraj, Dr. Ji Yang and Dr. Craig Raphael
5. TRB-N0224, a Chemically Modified Curcumin for Osteoarthritis Treatment
Josephine Coury under the guidance of Dr. Daniel Grande and Dr. Nadeen Chahine
6. Rivaroxaban for Thromboprophylaxis after THA and TKA in Obese to Morbidly Obese Patients
Madison Daly under the guidance of Dr. Eugene Krauss and Dr. Ayal Segal
7. Gender Differences in the Functional Outcome of Acute Stroke
Katrina Dimaano under the guidance of Dr. Pina Sanelli and Dr. Ankur Pandya
8. Usefulness of Echocardiography
Jennifer Drummond under the guidance of Dr. Amgad Makaryus, Dr. Neiman Ramjattan and Dr. Roman Zeltser

9. Association of TNFRSF1A Polymorphisms with Risk of Neuromyelitis Optica
Russell Elmes and Rachel Gray under the guidance of Dr. Joel Stern
10. Teaching End of Life at the Beginning of the Journey
Brian Emmert, Danielle Qing, under guidance of Dr. Tara Liberman
11. Utilization of Cardiac Telemetry Monitoring: A Limited Resource
Evin Feldman under the guidance of Dr. Amgad Makaryus, Dr. David Bass, Dr. Kyla D'Angelo, Dr. Supreeva Swarup and Dr. Roman Zeltser
12. Assessing the Vasodilatory Potential of Optogenetic-Choline-Acetyltransferase Expressing T-cells
Dennis Fitzgerald, Adam Seigel under the guidance of Dr. Kevin Tracey and Dr. Sangeeta Chavan
13. Association of Hypertension Among Self-Reported Binge Drinkers in a Patient-Centered Medical Home with a Screening, Brief Intervention and Referral to Treatment Program
Vladislav Fomin and Dennis Kesselman under the guidance of Dr. Sandeep Kapoor, Dr. Joseph Conigliaro, Dr. Megan O'Grady, Dr. Jeanne Morley, Dr. Nancy Kwon and Dr. Jon Morgenstern
14. Comparison of miRNA Profiles in Metastatic and Non-Metastatic Type II Endometrial Cancers
Victoria Fort under the guidance of Dr. Annette Lee
15. First Year Medical Students develop Leadership Skills and Traits through the PEARLS Program
Rachel Gerber and Jessica Schwartz under the guidance of Dr. Samara Ginzburg, Dr. Catherine Bangeranye, Dr. David Elkowitz, Dr. Robert Lucito, Dr. Joel Stern, Dr. Susan Deutsch, Christina Ventura-DiPersia and Jaclyn Bellissimo
16. Evaluation of Scoring Systems in the Early Prediction of Severity/Outcomes in Acute Pancreatitis
Rachel Gray, Peter Nauka, Benjamin Villacres Mori, Tabia Santos under the guidance of Dr. Horacio Rilo, Dr. Joaquin Cagliani and Dr. Alex Castenada

48. Assessing Development of Leadership Traits and Skills in First Year Medical Students through PEARLS
Jessica Schwartz and Rachel Gerber under the guidance of Dr. Samara Ginzburg, Dr. Catherine Bangeranye, Dr. David Elkowitz, Dr. Robert Lucito, Dr. Joel Stern, Dr. Susan Deutsch, Christina Ventura-DiPersia and Jaclyn Bellissimo
49. Determination of Acetylcholine Release from Optogenetic T Cells via [14-C] Choline Assay
Adam Siegel, Dennis Fitzgerald, under the guidance of Dr. Kevin Tracey, Dr. Huan Yang and Dr. Sangeeta Chavan
50. STAT3 Promotes Alveolar Epithelial Regeneration
April Slamowitz, under the guidance of Dr. Andrew Paris, Ning Dai, Kartik Bhamidipati, Dr. Jarod Zepp and Dr. G. Scott Worthen
51. Accessibility of Outpatient Behavioral Health Care in Nassau County and Queens
Hannah Spellman under the guidance of Dr. Lauren Block, Dr. Daniel Coletti and Leslie Rosenberg
52. Philosophical Evaluation of Ethics Consults
Kristen Steslow under the guidance of Dr. Samuel Packer
53. Impact of the New York State Prescription Monitoring Program (iStop) on Chronic Pain Management by Primary Care Providers
Josiah Strawser under the guidance of Dr. Lauren Block
54. Quantification of Dendritic Spines Using 3D Volumetric Analysis of Intact CLARITY Brain
Yujie Riche Sun under the guidance of Dr. Eric Chang
55. Mitochondrial DNA Transmission In Families With Autism Spectrum Disorder
Alexis Tchaconas under the guidance of Dr. Michael Wigler, Dr. Kenny Ye and Dr. Yoonha Lee

39. Effect of Combined Platelet-Rich Plasma and Hyaluronic Acid on Bone Marrow-Derived Mesenchymal Stem Cell and Chondrocyte Proliferation In Vitro
Jolanta Norelli under the guidance of Dr. Daniel Grande
40. Characterization of Rat Adipose-Derived Stem Cells and Their Use in Regeneration of Achilles Tendon
Jolanta Norelli and Josephine Coury under the guidance of Dr. Daniel Grande
41. Enhanced Articular Cartilage Defect Repair and Aggrecan Expression in Chondrocytes with the Use of a Novel Extracellular Matrix Biomaterial
Jolanta Norelli under the guidance of Dr. Daniel Grande
42. A CRISPR-Cas9 Screen of BPTF Protein Domains in Breast Cancer
Adam Ouellette, under the guidance of Dr. Camila dos Santos
43. Barriers to Patient Portal Enrollment
Desiree Oyola and Katherine Minaya under the guidance of Dr. Libsen Rodriguez-Adrian and Dr. Jacqueline Delmont
44. Metabolic Effect of Methadone and Buprenorphine Opioid Replacement Treatments on Opioid Dependent Adolescent Rats
Krishna Patel and Joseph Carrion under the guidance of Dr. Stephen Dewey
45. Dermatology Resident Physician Influence on Patient Experience
Vassiliki Vicky Papagermanos and Margaretta Midura under the guidance of Dr. Amit Garg
46. RNA Sequencing of Specific Cell Populations in the Breast Cancer Microenvironment
Narayanan Sadagopan under the guidance of Dr. Mickey Atwal
47. Acute Pancreatitis: Etiologies and their Clinical Profiles
Tabia Santos, Peter Nauka, Rachel Gray and Benjamin Villacres Mori under the guidance of Dr. Horacio Rilo, Dr. Joaquin Cagliani and Dr. Alex Castaneda

17. RNA (miRNA and mRNA) expression profiles in metastatic versus non-metastatic triple negative breast cancer
Brittany Guttadauria, under the guidance of Dr. Annette Lee, Dr. Eleonora Teplinsky, Dr. Andrew Shih, Dr. Ilya Korsunskiy
18. Risk Factors for Blood Transfusion during Cardiac Surgery: A Retrospective Cohort Analysis of the Society of Thoracic Surgeons (STS) Database
Daniel Hart under the guidance of Dr. Linda Shore-Lesserson and Dr. Oonagh Dowling
19. Osmolality Changes with Increasing Nutritional Content of Feedings for Premature Infants
Chelsea Hartman, under the guidance of Dr. Richard Schanler, Dr. Champa Codipilly and Lyssa Lamport
20. Tell Me More: Medical Students Foster Relationships Between Patients and Their Health Care Team
Sarah Hartman, Danielle Qing and Kristin Reese under the guidance of Dr. Alice Fornari, Dr. Taranjeet Ahuja and Agnes Barden

**Please proceed to the east building's atrium
to view posters 21-65.**

21. Macrophages Promotes Human Osteosarcoma Invasion through CSF-1 and EGF Signaling
Patrick Hartnett under the guidance of Dr. Bettie Steinberg and Dr. Caroline Maloney
22. Evaluation of Opportunistic Internal Mammary Lymph Node Sampling During a Microsurgical Breast Reconstruction: An Analysis of 548 Consecutive Patients
Michael Jin under the guidance of Dr. Irena Karanetz, Dr. Armen Kasabian and Dr. Neil Tanna
23. Comparison of Laparoscopic and Robo1c Partial Nephrectomy: Perioperative Outcomes and Costs
Elie Kaplan-Marans under the guidance of Dr. Lee Richstone, Dr. Geoffrey Gaunay, Dr. Paras Shah, Dr. Ke Ren and Dr. Jesse Toor

24. Assessing Utilization of Primary Care Practices by Patients with Self-Reported Excessive Alcohol Use
Dennis Kesselman, Vladimir Fomin under the guidance of Dr. Sandeep Kapoor, Dr. Joseph Conigliaro, Dr. Megan O'Grady, Dr. Jeanne Morley, Dr. Nancy Kwon and Dr. Jon Morgenstern
25. Cost-effectiveness of universal MRSA screening in Total Joint Arthroplasty patients
Dinesh Kommareddy under the guidance of Dr. Sanjeev Suratwala, Dr. Eugene Krauss, Dr. Ayal Segal and Jeanine Woltman
26. Outcomes Following Endoscopic Endonasal Resection of Sellar & Suprasellar Lesions in Pediatric Patients
Christoforos Koumas, under the guidance Dr. Steven Schneider, Dr. Shaun Rodgers and Dr. Mark Mittler
27. Embolization of Visceral Pseudoaneurysms Using N-Butyl Cyanoacrylate With and Without Coils
Neel Lalkiya under the guidance of Dr. Craig Greben and Dr. Arton Isa
28. Cardiac Power as a Predictor of Mortality in Sepsis
Devora Lichtman, under the guidance of Dr. Tashina Dussie, Dr. Ashley Roper, Dr. Rameez Zelter and Dr. Amgad Makaryus
29. Assessment of Outcomes in Hospitalized Patients with Pneumonia of GI Bleed Found to Have Increases in Serum Troponin Ascribed to Type 2 Myocardial Infarction
Lena Liu under the guidance of Dr. Amgad Makaryus, Dr. Supreeya Swarup and Dr. Roman Zeltser
30. Instituting a Health Policy & Advocacy Elective at the Hofstra Northwell School of Medicine
Michael Luke under the guidance of Dr. Lauren Block
31. Cholinergic-Mediated Protection of Mitochondria in the Ischemic/Reperfused Heart
Spyros Mavropoulos under the guidance of Dr. Kaie Ojamaa and Dr. Nayaab Khan

32. Using Big Data to Understand Rare Diseases; Hidradenitis Suppurativa and It's Association with Depression and Suicide
Margaretta Midura and Vassiliki Vicky Papagermanos under the guidance of Dr. Amit Garg
33. Technology for Engagement and Management of Health (TEAMH) and Antiretroviral Adherence in Patients Living with HIV: A Mixed-Methods Pilot Evaluation Study
Sheneiza Moore under the guidance of Dr. Rebecca Schwartz, Dr. Oonagh Dowling, Dr. Barbara Martens, Dr. Joseph McGowan and Dr. Paola Di Marzio
34. Correlation of Antifactor Xa Levels to Body Mass Index With Enoxaparin Thromboprophylaxis
Frank Mota under the guidance of Dr. Eugene Krauss, Dr. Ayal Segal, Dr. MaryAnne Cronin, Nancy Dengler and Myriam Kline
35. Hemodynamic Instability in Patients on Angiotensin Receptor Blockers Following Anesthesia Induction
Sarah Mozayan under the guidance of Dr. Oonagh Dowling and Dr. Judith Aronsohn
36. Fluid Volume at 12 Hours is Associated with Outcomes in Acute Pancreatitis: A Retrospective Study
Peter Nauka, Rachel Gray, Benjamin Villacres Mori, Tabia Santos under the guidance of Dr. Horacio Rilo and Dr. Joaquin Cagliani
37. Establishing the Underlying Mechanism of Multiple Sclerosis and Neuromyelitis Optica
Eric Neasi, Mark Messina and Michael Funaro under the guidance of Dr. Joel Stern, Dr. Karen Blitz, Dr. Souhel Najjar and Dr. Paul Wright
38. The Role of the NMDA Receptor in Autoantibody-mediated Neuronal Damage
Jacquelyn Nestor under the guidance of Dr. Betty Diamond and Dr. Bruce Volpe