

2018 Hopkins C.A.R.E.S. Symposium

POSTER PRESENTATIONS- **SESSION 1 (11:45 am – 12:45 pm)**

Session Guide:

<i>Program Name</i>	<i>Poster Board Numbers</i>
BDP STAR	1-9
BSI SIP	10-20
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<i>#</i>	<i>Name(s)</i>	<i>Program</i>	<i>Title</i>
1	Mike Crockett, David Park, Dan Parker	BDP STAR	Computational Analysis of Police Radio Transmissions
2	Usman Enam	BDP STAR	The role of eIF5A in “Stop-Carry On” Translation
3	Sungwon Kim	BDP STAR	Information Theoretic Approach to Epigenetics of Aging Session
4	Andrew King	BDP STAR	Dark Matter Halos
5	Peter Murray	BDP STAR	Using Single Molecule Techniques to Study RNA Folding
6	Zachary Nieman	BDP STAR	Exploring Novel Factors Involved in Nonsense-mediated mRNA Decay
7	Graham Reynolds	BDP STAR	The 90 GHz Receiver Design for the CLASS Telescope
8	Lexie Scholtz	BDP STAR	Analysis of sex chromosome read count discrepancies in the CAAPA project
9	Katie Tam	BDP STAR	How publication bias may affect study reliability: Demonstrated by various anchoring papers
10	Samuel Bidwell	BSI SIP	"Towards a Validation of Bok's Hypothesis In Heschl's Gyrus"

11	Garrett Brown	BSI SIP	The effects of environmental noise exposure on the cochlea in juvenile and adult mice
12	Anne Rojona Feliciano	BSI SIP	Software application development and acoustic validation of an open-air hearing screening tool
13	Nicholas Buhta	BSI SIP	Effects of Electroconvulsive Seizure on GABA and Glutamate Concentrations in a Mouse Model of Autism
14	Matilde Castro	BSI SIP	Effects of CRMP2 Deletion on Hippocampal Learning in a T-Maze
15	Anthony Cort	BSI SIP	"Specific Antibody Modulation of Innate Immune Sensing"
16	Claire Dubin	BSI SIP	Enhanced virulence of amoeba-grown <i>Legionella pneumophila</i>
17	Elizabeth Flatley	BSI SIP	"Human Chromosome 21 Gene Overexpression Influences Sonic Hedgehog-Dependent Osteoblast Differentiation".
18	Annabelle Flores Bonilla	BSI SIP	Do individual differences in incentive salience attribution reflect differences in reward representation?
19	Ryan Kempski	BSI SIP	"Purinergic Receptor, P2X4 and its Relationship with Prostate Cancer "
20	Rachit Kumar	BSI SIP	Multimodal Alternating Kernel Method for Auditory Cortex Segmentation
21	Yasmeen Alshabasy	HCOP	Impact of Dual Sensory Impairment on Health Care Interaction
22	Jessica Amoako	HCOP	Structural Study of the Protein Complex Involved in the Regulation of Cell Proliferation
23	Milan Dower	HCOP	Using The Brain Imaging Data Structure To Study Early Alzheimer's Disease
24	Maria Feliz	HCOP	Characterization of immortalized Mesenchymal Stem Cell (MSC) cultures: essential tools for assessing their role in prostate cancer
25	Sarah Fout	HCOP	CSF1R-Related Adult-Onset Leukoencephalopathy with Axonal Spheroids and Pigmented Glia (ALSP): a Case Series and Brief Review of the Literature"
26	Israel Jurado	HCOP	Assessing Factors Related to Program Implementation Quality in Baltimore Public Schools
27	Rocio Loperena Medina	HCOP	Understanding cell-to-cell communication by studying exosomal cargo
28	Abigail Mesfin	HCOP	Utilizing a novel hypoxia reporter system to identify hypoxic areas of breast tumors.

29	Jean Nahounou	BRBT	1. Protein manipulations: the players, and 2. Characterization of a Fluorescent Protein
30	Kiefer Cure	BRBT	1. Protein manipulations: the players, and 2. Characterization of u Fluorescent Protein
31	Tyler Toomey	BRBT	1. Protein manipulations: the players, and 2. Characterization of o Fluorescent Protein
32	DiAndre White	BRBT	1. Protein manipulations: the players, and 2. Characterization of h Fluorescent Protein
33	Brandon Dillow	BRBT	1. Protein manipulations: the players, and 2. Characterization of i Fluorescent Protein
34	Eryn White	BRBT	1. Protein manipulations: the players, and 2. Characterization of h Fluorescent Protein
35	Marjani Vance	BRBT	1. Protein manipulations: the players, and 2. Characterization of a Fluorescent Protein
36	Taqeeyah Cason	BRBT	“Animations versus computer simulations: tools for science education”
37	Jalen James	BRBT	"Searching for Treatments of Inflammation"
38	Ingri Rivera-Torres	SARE	Mesoderm Induction in Mouse Embryonic Stem Cells
39	Kat Xie	CTY Research Internship	Does Adult Presence Matter? Changes in Delay Inhibition in Children When Adults Are Present
40	Madison Kim Pomeroy	CTY Research Internship	Investigation of Histone H3K23 - KDM4B Interaction in Mammals
41	James Chen	CTY Research Internship	Optimizing Methods for Elucidating the Effect of Chemical Exposures on Mitochondrial DNA Copy Number
42	Gabriel Cuilan	CTY Research Internship	Blood methylation levels of the CRF gene as a correlate of brain volume and psychometric measures in a human model of hypercortisolism
43	Shruthi Venkata	CTY Research Internship	Linking Vestibular Function and Insular Shape in an Aging Population
44	Sarah Flaherty	ICM	Linking Vestibular Function and Insula Thickness
45	MacKenna Landis	FARMS	Characterization of AIMP2 Knockout Embryonic Stem Cell Line
46	Elizabeth Dyer	FARMS	Screening Chemical Compounds to Identify Novel HIF-1 Inhibitors
47	Kyle Boulanger	FARMS	Labeling of glial progenitors with Zirconium-DFO complexes for cell tracking using PET
48	Wasamah Shaikh	FARMS	Passively Loaded artificial Antigen Presenting Cells for High Throughput Antigen Specific CD8+ T-cell Identification

49	Stephan Quintin, Rosa Shi	FARMS, STAR	PARIS (ZNF746) mediates alpha-synuclein induced neurodegeneration: Relevance to sporadic PD
50	Julia Caserto	INBT	Effect of macrophage activation on the uptake of iron oxide nanoparticles: An in vitro study for pharmacokinetic modeling
51	Emily Chow	INBT	Nanoparticle-mediated Messenger RNA (mRNA) Delivery for Immunotherapy
52	Sydney Connor	INBT	Assessing Cell Migration in Aligned Collagen Fiber Gels
53	Habben Desta	INBT	Investigating the mechanisms of reduced cell migration in senescent human dermal fibroblasts.
54	Nicole Felix Velez	INBT	Murine kidney-on-a-chip model for Polycystic Kidney Disease
55	Joshua Jimison	INBT	Self-Assembling Supramolecular Block Copolymer Micelles for Protein Purification
56	Christopher Lee	INBT	Computational analysis on T cell populations by the Cd39/Cd73 immune pathway.
57	Alexus Locke	INBT	Impact of Physiological Stiffness on Triple-Negative Breast Cancer Communication.
58	Nicole Zambrana-García	INBT	Exploring the effects of hypoxia on human pluripotent stem cell derived pericytes
59	Daria Anderson	MCH-LEARN (KKI)	Low Birthweight: Understanding the Interactions Between Sociodemographic Factors and Teen Motherhood Status
60	Camryn Edwards	MCH-LEARN (KKI)	The Effect of Residential Reentry Programs and Formerly Incarcerated Women
61	Osama Hassan	MCH-LEARN (KKI)	Evaluating Association between Household Income and Adverse Childhood Experiences by U.S. Regions
62	Amina Kanu	MCH-LEARN (KKI)	Exploring Factors that Impact the Health, Well-being and Independence of Individuals with Disabilities: A Caregiver Perspective
63	Shane Carrizales	MCH-LEARN (KKI)	Use of the Test of Memory Malingering with a Clinical Sample of Deaf and Hard of Hearing Children
64	Gabrielle Merkin	MCHC/RISE-UP (KKI)	Are Protease Inhibitors Affecting Neural Extracellular Matrix Beneficial for Neuroplasticity?
65	Aubrey Alvarenga	MCHC/RISE-UP (KKI)	Association of PrEP Use on STI Rates in a Sample of Young People
66	Breyah Atkinson	MCHC/RISE-UP (KKI)	The Influence of Traumatic Stress on Anxiety Disorders in Adolescent Psychiatry Inpatients

67	Mary Bowen	MCHC/RISE-UP (KKI)	The Effectiveness of Building Coalitions in Rural Communities: Bringing Awareness to Minority Health Disparities
68	Tasfia Bushra	MCHC/RISE-UP (KKI)	Parent Reports of Pediatric Primary Care Experiences: Developmental Screening and Specialty Referrals Among Children with Special Healthcare Needs
69	Zayne Callahan	MCHC/RISE-UP (KKI)	Project HEAL: Improving Outcomes for Low-Income Children with Disabilities
70	Jonathan Damota	MCHC/RISE-UP (KKI)	Evaluation of the Extension of Treatment of Severe Problem Behavior in Children and Adolescents
71	Shraddha Gopakumar	MCHC/RISE-UP (KKI)	The Impact of Community Resources on Health Outcomes in Adolescents with TBI
72	Victoria Malone	MCHC/RISE-UP (KKI)	Why are there differences? Comparing Determinants of Health in two rural counties
73	Hakim Mathis	MCHC/RISE-UP (KKI)	Child & Adolescent Mental Health in Under-resourced Populations: A Public Health Approach
74	Bayadir Mohamed-Osman	MCHC/RISE-UP (KKI)	Perception Contributing to Disparities in Pain Management Access for African Americans
75	Deja Cooper	MERIT Health Leadership Academy	Protein Production for Characterizing Tumor Metastasis Inhibiting Bispecific Antibodies
76	Na'Jay Jackson	MERIT Health Leadership Academy	Assessment of Viral Titer by Immunofluorescence
77	Camryn Kay	MERIT Health Leadership Academy	Improving a preclinical mouse model to further studies of HPV+cancers
78	Jerimiah Kouka	MERIT Health Leadership Academy	The effect of Bacteroides fragilis toxin (BFT) on gene expression in colon epithelial cells
79	Kendall Leake	MERIT Health Leadership Academy	Entinostat's impact on Epithelial to Mesenchymal Transition in Bladder Cancer Cells
80	Ruth Martin	MERIT Health Leadership Academy	Innervation of the human esophagus - PGP9.5 study

81	Mariah McKenzie	MERIT Health Leadership Academy	TBD
82	Augustine Nwuzor	MERIT Health Leadership Academy	Interactions of Genetically Distinct Subclones in Human Breast Cancer Cells
83	Kaniya Rabey	MERIT Health Leadership Academy	An Epigenetic Strategy to Degrade Estrogen Receptor
84	Kelly Tran	MERIT Health Leadership Academy	Galectin-3 Induces IL-10 Secretion from Human Monocytes
85	Jericha Williams	MERIT Health Leadership Academy	Cockroach allergen exposure increased complement component 3 expression in asthma
86	Erica Wright	MERIT Health Leadership Academy	The interaction of neuritin on t-cells with Sema4A and Sema4D is immunosuppressive
87	Scott Wilson	PCCM	Molecular Pathways of Bitter-Taste Receptors in the Lung
88	Meaghan Cabassa	PCCM	Viral vector in dorsomedial hypothalamus to analyze leptin signaling in obese mice
89	Frances Avila-Soto	PCCM	Novel Devices for Assessing Environmental Exposure in Rural Peruvian Households
90	Mia Benavidez	PCCM	Evaluating epithelial to mesenchymal transition and cigarette smoke exposure in patient derived primary bronchial epithelium
91	Mahmoud Abouelkheir	PCCM	Development of a novel in situ activity assay for LOXL2
92	Brendan Bratton	PCCM	The Role of Aspiration in Allograft Lung Injury
93	Serena Lee	PCCM	Comparison of right ventricular endothelial cells in rats with and without pulmonary hypertension
94	Micheal Munson	PCCM	Is the Na ⁺ /H ⁺ Exchanger Sufficient in Modulating Pulmonary Arterial Smooth Muscle Cell Apoptosis?
95	Andre Small	PCCM	Sodium-Hydrogen Exchanger Regulates Pulmonary Arterial Smooth Muscle Cell Apoptosis in Pulmonary Hypertension

96	Sam Dominguez	STAR	Identification of communication calls in big brown bats using 2.6 g sound tags
97	Samantha Goldschmid	STAR	Exploring Bridging Thiulates for Small Molecule Activation
98	Bruce Nguyen	STAR	Neural Responses in the Inferior Colliculus of the Big Brown Bat
99	Melody Nguyen	STAR	Identifying in vivo protein modifiers of mutant VCP-induced muscle dysfunction
100	Nazrawit Retta	STAR	Quantitative Analysis of Sensory Cells and Neurons of the Ear in Deaf Bats
101	Julia See	STAR	Understanding the molecular and neuronal basis of behavior
102	Kevin Zhan	STAR	Studying the synthetic lethality between TRIM37 and centrosome loss, as a way to exploit cancer susceptibilities

ORAL PRESENTATIONS

1:30 pm – 2:00 pm

<i>Time</i>	<i>Name of Student</i>	<i>Program</i>	<i>Title</i>
<i>1:30 pm</i>	Kori Lannaman	MCH-LEARN (KKI)	“Examining the association of Teenage Pregnancy on Mothers’ Current Mental Health”
<i>1:40 pm</i>	Mercedes Ferandes	MERIT Health Leadership Academy	Regulating Innate Immune Response Using Single Immunoglobulin Interleukin-1 Regulated Receptor Protein
<i>1:50 pm</i>	Shane Carrizales	MCH-LEARN (KKI)	“Use of the Test of Memory Malinger with a Clinical Sample of Deaf and Hard of Hearing Children”

POSTER SESSION 2 (2:15 pm – 3:15 pm)

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MCH-LEARN (KKI)	64-68
MCHC/RISE-UP (KKI)	69-70
NIDDK STEP UP	71-72
MERIT	73-84
PCCM	85-90
STAR	91-100
DAASI	101

<i>#</i>	<i>Name(s)</i>	<i>Program</i>	<i>Title</i>
1	Alexander Chang	BDP STAR	Mitochondria-mediated Proteostasis in <i>Saccharomyces cerevisiae</i>
2	Abhinav Harish	BDP STAR	A Characterization of the Ku Protein and it's variants
3	Lucia Massey	BDP STAR	Third Party Compliance: Evidence from Lead Contractors in Maryland
4	Panayiota Petrou-Zeniou	BDP STAR	Exposure enhanced goods and technology disadoption
5	Vivian Jou	BDP STAR	Determining the Dynamic Profiles of Chromatin Remodelers RSC and CHD1 in Live Yeast
6	Pat Visanpattanasin	BDP STAR	Live-cell Single Molecule Dynamics of Chromatin Remodelers INO80 and ISW1
7	Carolina Pribble	BDP STAR	Non essential expenditures among SNAP recipients
8	Brianna So	BDP STAR	Housing Instability, Sociodemographic Factors, and Hypertension in an Urban Population
9	Annie Xie	BDP STAR	Enrichment analysis in genome-wide association studies through modelling of effect-size distribution in relation to annotations and genomic propensity scores
10	Rachit Kumar, Anne Feliciano	BSI SIP	Making Mainstream College More Accessible to Students with Hearing Loss
11	Valinteshley Pierre	BSI SIP	Seeding Cell-Laden Hydrogel Into Craniofacial Scaffolds: Methodology, Sterilization, and Cell Distribution Analysis

12	Kaela Teele	BSI SIP	Serum Amine Oxidase Inhibition Prevents Polyamine Induced Oxidative Degradation Causing Autophagy
13	Alexander Xu	BSI SIP	T-cell expression of DNA methyltransferase 3a (DNMT3a) limits severity of experimental Graft Versus Host Disease (GVHD)
14	Vera Monlux	BSI SIP	Exploring Genetic Influences on Cognitive Phenotypes: TWAS, GWAS & PrediXCan
15	Maria Guerra Garcia	BSI SIP	Deletion of NF- κ B p50 Increases Tumor Immune Infiltration but Does Not Improve Survival in Glioma-Bearing Mice
16	Brady Bunkelman	BSI SIP	A Methodological Comparison to Limit RNase Activity for xMD-miRNA Seq
17	Ellenor Chi	BSI SIP	Modulation of Bispecific T Cell (BiTE) antibody AMG 103/Blinatumomab with Checkpoint Inhibitors
18	Olivia McCloskey	BSI SIP	Studies on Hypercoagulability in HIV Patients
19	Abigail Shtekler	BSI SIP	Targeted Combination Cancer Treatments and Dose Calculations
20	Conrad Bhamani	BSI SIP	Diffusion Tensor Imaging of the spinal cord in multiple sclerosis
21	Colton Calvert	BSI SIP	Investigations in Characterizing Cardiomyocyte Cohesion
22	Alexander Mina	HCOP	The Impact of Interventional Neuroradiology on Stroke Treatment
23	Nadiya Nawsheen	HCOP	Neuronal Membrane Proteasome Derived Peptides Stimulate Neurons
24	Jacqueline Ndayizeye	HCOP	HIV Intervention Program for women in African American churches in Baltimore
25	Chloe Adrienne Talana	HCOP	Assessing the Effects of Interferon-alpha on NK Cell and CD8+ T Cell Function in HIV-Positive Chronic Progressors
26	Jenny Nguyen	HCOP	Angiotensin-Converting Enzyme 2 Modulates Innate Immune Response to Bacterial Lung Infection
27	Christopher Mejia	HCOP	Exploring Natural Based Biomaterials for Tissue Regeneration
28	Fahmida Ahmed	HCOP	Intracerebroventricular Administration of AAV to the Paraventricular Nucleus of Neonatal Mice
29	Jamya Jones	BRBT	1. Protein manipulations: the players, and 2. Characterization of o Fluorescent Protein
30	Keara Caverly	BRBT	1. Protein manipulations: the players, and 2. Characterization of a Fluorescent Protein
31	Ryan Lai	BRBT	1. Protein manipulations: the players, and 2. Characterization of a Fluorescent Protein

32	Michael Howarth	BRBT	1. Protein manipulations: the players, and 2. Characterization of o Fluorescent Protein
33	Nyinde Glover	BRBT	1. Protein manipulations: the players, and 2. Characterization of l Fluorescent Protein
34	Camiona Friend	BRBT	1. Protein manipulations: the players, and 2. Characterization of r Fluorescent Protein
35	Jasirah Abdurrahman	BRBT	1. Protein manipulations: the players, and 2. Characterization of b Fluorescent Protein
36	Pape Niang	BRBT	“Creating MBP fusion proteins for X-ray crystallography”
37	Georgia Ryle	BRBT	"GermCraft: Developing the skills to learn about the biophysical and computer science world"
38	Ella Flood	CTY	Evaluating the impact of academic opportunities on cognition: The effect of socioeconomic factors on spatial skills
39	Lauren Maytin	CTY	Eye tracking during block construction: The effects of structure complexity and building strategy
40	Nina Kanamaluru	CTY	Stability of intrinsic hand muscle co-activation during practice of a sequential visual isometric force production task
41	HaoYue Tang	CTY	Self-Balancing Prosthesis Control Strategy Using Tactile Feedback
42	Amna Abdullah	INBT	Yap/Taz on controlling cell volume through protein synthesis regulation
43	David Mai	INBT	Digital droplet ratiometric color coding for colorectal cancer
44	Orlando Martell	INBT	Investigating the Effects of Amyloid Beta on dHBMEC Monolayers in an in vitro 3D Engineered Microvessel
45	Tran Ngo	INBT	Toward exosome theranostics: Liposome–microbead conjugation formation and analysis
46	Randall Rainwater	INBT	Characterization of the intracellular domain of EphA2 in response to various ligands
47	Haleemat Adekoya	JHIBS	Neurological Disorders and Dementia
48	Oluisimisola Adenaiya	JHIBS	Neurological Disorder ALS
49	Sherry Bossard	JHIBS	Neuromodulation and synaptic plasticity
50	Makayla Brown	JHIBS	Disorders of the Auditory System
51	Iyana Charles	JHIBS	Assessment of Tools to Enhance Function in the Visually-impaired
52	Kyrian Elekwachi	JHIBS	Animal models for Epilepsy
53	Serin Gbaba	JHIBS	Metabolism and Neuronal Excitability
54	Aarish Hanif	JHIBS	Animal Models for the Neurological Disorder ALS

55	Erin Hill	JHIBS	Cerebellar Dysfunction
56	Andrew Hurdle	JHIBS	Development of Novel Tools for Cancer Immunotherapy
57	Kira Jessup	JHIBS	Peripheral Neuropathy
58	Sarah Martey	JHIBS	Multiple Sclerosis
59	Pete Noparat	JHIBS	Experimental Models to Study Disorders of the Eye
60	Janelle Ramroop	JHIBS	OCT: an Opthamologic Tool to Peer into the Brain
61	Rykell Robinson	JHIBS	Neuropsychiatric Dysfunction in HIV-Infected Women
62	Ashley Yim	JHIBS	Brain tumors: Treatment Approaches
63	Erin Young	JHIBS	Disorders of the Auditory System
64	Kori Lannaman	MCH-LEARN (KKI)	Examining the association of Teenage Pregnancy on Mothers' Current Mental Health
65	Clarisse Lukban	MCH-LEARN (KKI)	Sexual assault in early childhood and young adult mental health on risky sexual behavior and STI/HIV diagnosis
66	Salma Tayel	MCH-LEARN (KKI)	Impact of AUCD's Strategic Priority to "Champion and Model Diversity, Equity and Inclusion"
67	Michelle Ubah	MCH-LEARN (KKI)	The Impact of Intimate Partner Violence and Reproductive Coercion on Preterm Birth among African American women in Baltimore
68	Rayna Wallace	MCH-LEARN (KKI)	Primary Care Provider Appointment Attendance Following Referral from an After Care Clinic
69	Ezequiel Ramos	MCHC/RISE-UP (KKI)	A Brief Pilot Survey of ACEs in the Hispanic Immigrant Population of Baltimore
70	Jasmin Vargas	MCHC/RISE-UP (KKI)	Differences in age of initial ADHD symptom observation by sex & race & predicted outcomes
71	Jayne Savoy	NIDDK STEP UP	The association of race on hypertension control among people with chronic kidney disease
72	Maleka Walker	NIDDK STEP UP	Racial differences in hypertension control among men in a national sample
73	Carolina Beretta	MERIT Health Leadership Academy	Evaluation of tumor infiltrating leucocytes by MIHC of pre and post treatment tumor specimens in mCRC from patients treated with SGI-110 and CY/GVAX
74	Joel Black, Jr.	MERIT Health Leadership Academy	Measuring the grip ability of prosthetic hand.
75	Ayanna Carter	MERIT Health Leadership Academy	P2X4 Receptors and Nucleotide treatment effects in Prostate Cancer
76	Mercedes Ferandes	MERIT Health Leadership Academy	Regulating Innate Immune Response Using Single Immunoglobulin Interleukin-1 Regulated Receptor Protein

77	Indira Jackson	MERIT Health Leadership Academy	Development of a Cas9-Expressing Cell Line for Genome-Wide Libraries for CRISPR Screening
78	Krystal Ragoonanan	MERIT Health Leadership Academy	The Relationship of Anxiety Disorders and Motor Inhibition: Insights using the Stop-Signal Task
79	Nayely Rivera Lavaire	MERIT Health Leadership Academy	Prevalence of Anxiety in Asthmatic Patients
80	Ryan Scott	MERIT Health Leadership Academy	Optimizing treatment for Osteosarcoma in dogs
81	Zion Smith	MERIT Health Leadership Academy	Effect of Reducing Aquaporin-1 on Migration of Pulmonary Hypertensive Endothelial Cells
82	Carmen Tapia	MERIT Health Leadership Academy	Mice survival as an indicator of immunotherapy outcome in metastatic breast cancer
83	Iyanla Taylor	MERIT Health Leadership Academy	Polymerase-1 and Transcript Release Factor in Prostate Cancer
84	Jacques Thompson	MERIT Health Leadership Academy	Protein expression of p47phox, a subunit of superoxide-producing enzyme NADPH oxidase, in sickle cell disease mouse testis
85	Carl Bannerman	PCCM	Effect of Caspase 3 Inhibition on Proliferation and Migration of Human Endothelial Cells
86	Limi Sharif	PCCM	Role of Genetic Mutations in MRGPRX2 Receptor Activation
87	Nicholas Bostrom	PCCM	Seroprevalence and Clinical Correlates of Anti-U3RNP Seropositivity in a Multiracial Prospective Systemic Sclerosis Cohort
88	Jessica Alvarado	PCCM	A Method Comparison Study: Total Metal vs. Bioavailable Metal in Stainless Steel Welding Fume
89	Zachary Hill	PCCM	Reactive Oxygen Species Acts as a Sensitizer to TRPV4 Channel
90	Guillermo Pereda	PCCM	Role of Angiotensin Type I Receptor (AT1R) in Losartan (ARB) Modulation of TGF β Signaling
91	Vinay Ayyappan	STAR	Proton MRS-detected creatine metabolic profiles in human breast cancer cells correlate with the prognostic indicator Ubiquitous Mitochondrial Creatine Kinase (CKMT1)
92	Yuxi Chen	STAR	Neural coding of sensory-motor sequence for tongue movements in mice
93	Michelle Chiu	STAR	Understanding the Morphology and Development of the Anopheles Mosquito Larval Salivary Glands

94	Alanna Farrell	STAR	Role of matrix composition on in vitro three-dimensional iPSC-derived blood-brain barrier microvessel phenotype
95	Angel C. Gabriel	STAR	The Association Between Perceived Racial Discrimination and Hypertension in an Integrated Community
96	Karl Osterbauer	STAR	The Metallicity Gradient of the Ultrafaint Dwarf Galaxy Population
97	Isaree Pitaktong	STAR	Early Vascular Cells Improve Microvascularization Within 3D Cardiac Spheroids
98	Wenzer Qin	STAR	Astrometric Effects in Alternative Theories of Gravity
99	Tyler Spoletti	STAR	Disrupting the Flight of Mosquito Swarms via Acoustic Waves
100	Albert Yang	STAR	Achieving Protein-Based XOR Cellular Logic Gating
101	Jawaun Lewis	DAASI	TBD