

First Name	Last Name	Scientific Focus Area	Title	POSTCAT#
Sasha	Abielmona	Microbiology and Infectious Diseases	Single-cell transcriptomics reveals a quiescent <i>P. vivax</i> subpopulation following artesunate therapy and recrudescence	MIC-1
Chioma	Aneke	Microbiology and Infectious Diseases	Beyond Fumigatus: A Molecular Portrait of Clinical <i>Aspergillus</i> Diversity, Pathogenicity, and Antifungal Resistance	MIC-2
Madhuri	Arya	Molecular Biology and Biochemistry	Transcriptional Co-Regulation in Rod Photoreceptors: Discovery and Characterization of BACH1 as an NRL binding partner	MOL-1
James	Atwell	Neuroscience	Persistent representation of a prior schema in the orbitofrontal cortex facilitates learning of a conflicting schema	NEU-1
Yelixza	Avila	Molecular Biology and Biochemistry	Targeted dual siRNA therapy for Diffuse Pleural Mesothelioma	MOL-2
Buyandelger	Batsaikhan	Neuroscience	Cereblon-dependent and -independent mechanisms of 3-monothiopomalidomide to inhibit inflammatory signaling and provide neuroprotection	NEU-2
Megan	Behrmann	Microbiology and Infectious Diseases	An rDNA proximity-dependent mechanism for dynamic gene duplication-amplification mediated antimicrobial resistance in <i>Staphylococcus aureus</i>	MIC-3
Jenna	Berger	Neuroscience	Transcriptional changes in the prairie vole ventral hippocampus following gestational and lactational flame retardant exposure	NEU-3
Alexandra	Bernardo Colon	Molecular Biology and Biochemistry	Topical Delivery of Modified PEDF Peptides Enhances Photoreceptor Survival in a Mouse Model of Retinal Degeneration.	MOL-3
Mallika	Bhattacharya	Developmental Biology	Antagonistic regulation of enhancer-promoter looping by Alan Shepherd (Shep) in the <i>Drosophila</i> genome	DEV-1
William	Brancaleone	Neuroscience	A novel PACAPergic projection to the hypothalamus: Prefrontal cortical control of stress responses by the paraventricular nucleus	NEU-4
Jason	Bussgang	Neuroscience	Mutant senataxin triggers ESCRT-III driven nucleoporin loss and defective nucleocytoplasmic transport in ALS4	NEU-5
Jacob	Buursma	Neuroscience	Effects of polygenic score on the default mode network in AUD	NEU-6
Yaqiang	Cao	Developmental Biology	Single-cell micrococcal nuclease sequencing revealed heterogenous chromatin priming and memory during mouse early T cell development	DEV-2
Nicole	Carniol	Neuroscience	Using limited proteolysis-coupled mass spectrometry to characterize the protein structural changes in neurons treated with Amyloid-Beta	NEU-7
Xing	Chen	Developmental Biology	High-throughput identification of Wnt/ $\beta$ -catenin signaling inhibitors	DEV-3
Cheng	Chen	Molecular Biology and Biochemistry	Hepatic Aquaporin 8 Regulates Acetaldehyde Transport, Alcohol Intake, and Liver Injury in Alcohol-Associated Liver Disease	MOL-4
Sophia	Cheng	Neuroscience	Elevated apparent diffusion coefficient of water in extra-axial space following acute head injury	NEU-8
Darrien	Coates	Neuroscience	Prenatal corticosterone exposure alters hippocampal area CA2's molecular profile and connectivity.	NEU-9
Isabel	Cohen	Neuroscience	Whole-brain neuronal activation patterns induced by semaglutide and cagrilintide in a rat FosTRAP model	NEU-10
Claudia	da Silva Camargo	Neuroscience	iPSC-derived Neural Cells Transcriptome in Williams Syndrome	NEU-11
Subrata	Debnath	Molecular Biology and Biochemistry	Identification of a Novel Phospholipase Activity in the Comparative Gene Identification-58 (CGI-58) Protein	MOL-5

Matthew	Denley	Neuroscience	Ion binding selectively controls channel gating in thermosensitive TRPM3	NEU-12
Daniel	Diaz-Urbina	Neuroscience	Pre-existing alteration of striatal expression of dopamine D1 and D2 receptors drives addictive-like behaviors towards fentanyl	NEU-13
Tugce	Duran	Neuroscience	Comparing Macro- and Micro-structural Predictors of Subsequent Cognitive Impairment in the BLSA	NEU-14
Prabhakararao	Eedara	Neuroscience	Interictal MEG Reveals Altered Excitation-Inhibition Balance in Patients with Drug-Resistant Focal Epilepsy	NEU-15
Amanda	Elias Rivera	Microbiology and Infectious Diseases	Metabolomic analysis of Mycobacterium abscessus infected macrophages	MIC-4
Bradford	Elwood	Neuroscience	Insights into the chronic pain mechanisms using transcriptomic analysis of dorsal root ganglia	NEU-16
Hamid	Esmacili	Neuroscience	GCase Deficiency Disrupts the Protein LRRC15: Implications for Neurodegeneration	NEU-17
Martin	Estermann	Developmental Biology	O-GlcNAcylation controls Sertoli cell differentiation and supports male fertility	DEV-4
Yohannes Getiye	Estifanos	Molecular Biology and Biochemistry	Alcohol drinking worsens acute electronic cigarette vaping-induced cardiac and pulmonary toxicity in a sex-dependent manner	MOL-6
Peter	Filbrandt	Microbiology and Infectious Diseases	Cross-reactivity of mycobacterial and human NDH2s	MIC-5
Marianna	Fleischman	Molecular Biology and Biochemistry	A high-throughput, all-inclusive approach for mRNA IVT condition screening and purification	MOL-7
Jorge	Flores	Neuroscience	Mapping the Connectivity of the Paralaminar Nucleus in Nonhuman Primates	NEU-18
Noam	Fox	Neuroscience	Rest and resilience: relaxometry and diffusion MRI reveal links between sleep quality and white matter health in women	NEU-19
Abigail	Frankenberg	Neuroscience	Neural activity in Tanzanian children during a passive auditory oddball paradigm	NEU-20
Maria	Garcia Aguilar	Neuroscience	Quantitative high-throughput screening of chemical libraries to identify potential Parkinsonian Neurotoxins and characterize the mechanisms of neurotoxicity	NEU-21
Diana Aketzali	Garcia Gutierrez	Neuroscience	The role of lateral hypothalamic GABAergic neurons in feeding during opioid administration	NEU-22
Slavina	Goleva	Neuroscience	Does Antihypertensive Use Influence Dementia Risk? A Pharmacoepidemiologic Study in All of Us	NEU-23
Sara	González-Hernández	Neuroscience	PROX1 increases vascular permeability and causes blood-brain barrier breakdown in neurovascular diseases	NEU-24
Charlene Yzobel	Guerrero	Neuroscience	A schizophrenia/autism-associated topoisomerase complex regulates circadian rhythms and circuit development in Drosophila	NEU-25
Elizabeth	Hammond	Neuroscience	Targeting prion-like RNA-Binding proteins to suppress neurodegeneration mediated by the Huntington's Disease protein	NEU-26
Julia	House	Developmental Biology	Combination antiretroviral therapy: impacts on cardiovascular health during pregnancy and the postpartum period	DEV-5
Yi-Ting	Huang	Molecular Biology and Biochemistry	The mold Aspergillus fumigatus opens CRAC channels to drive immune cell activation	MOL-8
Michael	Iadarola	Neuroscience	First, Second, Third, and Fourth Order Human Pain Circuits Investigated with Spatial Transcriptomics	NEU-27

Biju	Issac	Microbiology and Infectious Diseases	Analysis of Xenium spatial transcriptomics data from human lymph node and non-human primate lung and lymph node	MIC-6
Khorshada	Jahan	Neuroscience	Dual-Target $\mu$ -Opioid (MOR)/Dopamine D3 (D3R) Receptor Ligands Based on Etonitazene	NEU-28
Nathan	Jones	Molecular Biology and Biochemistry	Lessons From Small-Scale Buffer Exchange of LNPs on a AKTA FPLC	MOL-9
Brothely	Jones	Neuroscience	Phenotypic elucidation of pathophysiological genetic regulators in TDP-43 patient mutation mediated Cytosolic Aggregation	NEU-29
Olena	Kamenyeva	Microbiology and Infectious Diseases	Through the looking glass: choosing optimal imaging strategy for animal models of infectious diseases	MIC-7
Sivakumar	Kannan	Microbiology and Infectious Diseases	Average Nucleotide Identity (ANI) reports at NCBI: evaluating taxonomic assignments in prokaryotic and fungal genomes	MIC-8
Kunal	Kathuria	Developmental Biology	Characterizing the impact of fetal sex and gestational age on placental gene expression and cell-type variation using single-cell RNA sequencing (scRNA-seq) analysis	DEV-6
Mahaldeep	Kaur	Microbiology and Infectious Diseases	Metabolic crosstalk between Staphylococcus aureus and Roseomonas mucosa: implications for Atopic dermatitis	MIC-9
Angela	Kim	Neuroscience	ARC-AGRP neurons signal interoceptive hunger through connections with the lateral hypothalamus	NEU-30
Hannah	Kim	Neuroscience	The role of lateral hypothalamic GABAergic neurons in thermoregulation	NEU-31
Yuta	Koui	Neuroscience	Mitigating obesity-related pain sensation in skin by controlling capillary endothelial leakage	NEU-32
Isabelle	Kowal	Neuroscience	A Sensitive CRISPR-Based Biomarker Assay of TDP-43 Function in Alzheimer's Disease and Related Dementias	NEU-33
William	Kowalski	Developmental Biology	In vivo transplantation of mammalian vascular organoids onto the chick chorioallantoic membrane reveals the formation of a hierarchical vascular network	DEV-7
Srikanya	Kundu	Neuroscience	3D Bioprinted Human Neural Circuitry models with physiologically relevant functional assays for drug screening and disease modeling	NEU-34
Claire	Kunkle	Microbiology and Infectious Diseases	Bioassay guided fractionation to identify novel TLR ligands expressed by skin commensal bacteria Roseomonas mucosa	MIC-10
Michael	Landis	Neuroscience	Investigating disease signatures in different motor neuron subtypes and their correlation with disease progression in SOD1 ALS	NEU-35
Dale	Lewis	Molecular Biology and Biochemistry	RNA Polymerase and CI Regulator Interactions in Gene Regulation in Bacteriophage Lambda Re-visited	MOL-10
Wenling	Li	Developmental Biology	VHL Deletion in Endothelium Disrupts Vascular Patterning via HIF-CXCR4 Axis Activation	DEV-8
Dandan	Li	Molecular Biology and Biochemistry	Drug Repurposing Screening for Two Ultra-Rare Maternally Inherited Mitochondrial Diseases – MELAS and LHON-Plus	MOL-11
Jin	Ma	Molecular Biology and Biochemistry	Deficiency of Mitochondrial Disulfide Relay Carrier CHCHD4 can Lead to Cardiac Hypertrophy	MOL-12
Magdalena	Macias	Neuroscience	Mapping glial pathology near TDP-43 inclusions in FTLD-GRN using spatial transcriptomics and multiplex immunofluorescence	NEU-36
Mariana	Mandler Chou	Molecular Biology and Biochemistry	Targeting a pathogenic cryptic exon that drives HLRCC to induce exon skipping	MOL-13
Craig	Martens	Microbiology and Infectious Diseases	Pathogen Surveillance Sequencing	MIC-11

Neysha	Martinez-Orengo	Microbiology and Infectious Diseases	PET/CT with 2-deoxy 2-[18F]fluorocellobiose ([18F]FCB) for the noninvasive detection of CNS aspergillosis	MIC-12
Ryan	McGlinchey	Molecular Biology and Biochemistry	Glucocerebrosidase protects against Parkinson's-disease-related $\alpha$ -synuclein c-terminal truncations	MOL-14
Cody	McKee	Neuroscience	Using hPSC-derived hypothalamic neurons to develop a pipeline to identify potential therapeutics for insulin-mediated metabolic disorders	NEU-37
Mariam	Melkumyan	Neuroscience	Effects of GPR110 on neurobehavioral outcomes in mice	NEU-38
Abhishek	Mishra	Neuroscience	Neuroimmune dysregulation as a potential contributor to neurotoxicity of environmental fungicides	NEU-39
Ava	Movahed Abtahi	Molecular Biology and Biochemistry	Decoding Lipid Crosstalk: How E-Syts and ORPs Orchestrate ER-PM PIs and PtdSer Lipid Homeostasis	MOL-15
Micaela	Murphy	Developmental Biology	Circadian effects in optogenetic experiments: Considerations for investigating FGF-BMP signaling interactions with light	DEV-9
Alexandra	Mushegian	Microbiology and Infectious Diseases	Individual-level variation in the microbiome of two species of sand flies, vectors of leishmaniasis	MIC-13
Shubhi	Nanda	Microbiology and Infectious Diseases	Assessing within patient overlap between the oral and gut microbiome in treatment seeking individuals with Alcohol Use Disorder (AUD)	MIC-14
Yamuna	Narayana Swamy	Neuroscience	Skullstripping anatomical MRIs in AFNI using volumetric deep learning network	NEU-40
Thushani	Nilaweera	Molecular Biology and Biochemistry	Changes in the outer membrane lipidome significantly affect the biogenesis of outer membrane proteins in vitro	MOL-16
Priti	Pandit	Neuroscience	Novel Autoantibodies in the Cerebrospinal Fluid of Individuals with Primary Schizophrenia Spectrum Disorders	NEU-41
Mina	Peyton	Microbiology and Infectious Diseases	Association of Lipocalin-2 Spiking with Super-shedding via Bayesian Inference	MIC-15
Christopher	Pirrung	Neuroscience	Temporal decoding of reward processing using MEG	NEU-42
Anthony	Potchernikov	Molecular Biology and Biochemistry	Interrogating full-length Myosin 10 (MYO10) Activation and Dimerization	MOL-17
Kiam	Preston Jr.	Molecular Biology and Biochemistry	ATF4 Modulates NRL: Implications for Rod Photoreceptor Function	MOL-18
Alexandria	Primich	Molecular Biology and Biochemistry	Designing Asymmetric Heterodimeric piggyBat Transposomes for Targeted Genomic Integrations	MOL-19
Alyssa	Quiogue	Developmental Biology	Cortical microtubule reinforcement enables mechanical resistance of actomyosin-driven contractions in <i>C. elegans</i> and mouse oocytes.	DEV-10
Alexander	Richardson	Neuroscience	Sensory-dependent cell fate and migration for the construction of proprioceptive spinal pre-motor circuits	NEU-43
Wilma	Richiez Mateo	Neuroscience	Role of Medial Prefrontal Cortex Interneurons in regulating approach-avoidance conflict	NEU-44
Alberto	Rissone	Developmental Biology	Lack of lysosomal master regulators tfeb and tfe3 induces pancreatitis-like defects in zebrafish	DEV-11
Amilcar	Rodriguez	Neuroscience	Diet-induced manipulation of gut-microbiome to evaluate microglial activation and neurodegeneration in PD-genetic mouse model	NEU-45
Wiramon	Rungratanawanich	Molecular Biology and Biochemistry	Early oxidative protein modifications and gut leakiness play causal roles in promoting drug-induced acute liver failure	MOL-20

Suparna	Saha	Neuroscience	Axon growth in the developing <i>Drosophila</i> wing is dependent on the Wnk1, NMNAT2, dSarm pathway	NEU-46
Nadia	Said	Neuroscience	A putative role of the neuroimmune system in heroin withdrawal	NEU-47
Matthew	Sapio	Neuroscience	Proof-of-concept study to determine the effectiveness and safety of oral topical application of resiniferatoxin for the control of pain associated with feline chronic gingivostomatitis (FCGS)	NEU-48
Nandu	Saravanan	Molecular Biology and Biochemistry	MAP2K1+ Melorheostosis is mediated by mTORC1: A preliminary investigation of rapamycin as a potential treatment for Classical Melorheostosis	MOL-21
Olivia	Sconyers	Microbiology and Infectious Diseases	Unraveling the phosphorylation dynamics of RssB: Implications for RpoS regulation and bacterial general stress response in <i>Escherichia coli</i>	MIC-16
Amir	Seyedmousavi	Microbiology and Infectious Diseases	Antifungal susceptibility profile of <i>Rasamsonia</i> (Geosmithia) argillacea, an emerging fungal pathogen obtained from NIH patients	MIC-17
Saagar	Shah	Developmental Biology	GFI1 regulates dependence receptors to block apoptosis of sensory Merkel cells	DEV-12
Ishaan	Sharma	Neuroscience	Characterizing the CSF Proteomic Signature in Spinal and Bulbar Muscular Atrophy (SBMA)	NEU-49
Preston	Siegler	Neuroscience	Prenatal corticosterone exposure alters hippocampal area CA2's development and related behaviors	NEU-50
Debabrata	Sinha	Neuroscience	Neurotransmitter homeostasis - a crucial role for BMP signaling at <i>Drosophila</i> NMJ	NEU-51
Neha	Skandan	Neuroscience	Glucocorticoid receptor blockade reverses heroin and alcohol withdrawal-induced hyperalgesia in rats	NEU-52
Neha	Skandan	Neuroscience	Glucocorticoid receptor blockade reverses heroin and alcohol withdrawal-induced hyperalgesia in rats	NEU-53
Bailey	Sowers	Neuroscience	Detection of Focal Cortical Injury in Minor Acute Ischemic Stroke Patients Using Serial 3D T1 MRI	NEU-54

Alanna	Stewart	Molecular Biology and Biochemistry	Identification of Cofactors for GATA3-dependent Enhancer Activation	MOL-22
Choa	Sung	Microbiology and Infectious Diseases	Effects of Peripheral Cannabinoid Receptor Activation on Sleep Architecture and Gut Microbiome Changes in Mice	MIC-18
Abu Mohammad	Syed	Neuroscience	Exploring the role of WASF3 in chemotherapy-induced cognitive dysfunction	NEU-55
Jennifer	Tabet	Neuroscience	Fatty acid binding proteins' localization and recruitment in response to axonal injury.	NEU-56
Alvin	Tak	Molecular Biology and Biochemistry	PTEN is required for stem cell quiescence in the olfactory epithelium.	MOL-23
Dimitrios	Theofilatos	Molecular Biology and Biochemistry	Heat Stress expands the transcriptional response to Glucocorticoid	MOL-24
Maxime	Thouaye	Neuroscience	An intra-amygdala pathway controls pain-related aversion and pain chronicity	NEU-57
Genesis	Tolbert	Neuroscience	Uncovering primate-specific neuronal degeneration driven by microglia and astrocytes in Alzheimer's disease and related dementias using organotypic brain slices co-cultured with iPSC-derived glial cells	NEU-58
Rahul	Tyagi	Neuroscience	Evaluation of anti-PAGE5 autoantibodies in early-onset psychosis	NEU-59
Rosario	Vicidomini	Neuroscience	Most neurons and glial cells respond to BMP signaling – lessons from the Larval Ventral Nerve Cord	NEU-60
Caleb	Vogt	Neuroscience	Reversing the dopamine and serotonin transporter binding selectivity of vilazodone	NEU-61
Wenliang	Wang	Neuroscience	Chemogenetic inactivation of monkey entorhinal cortex impairs timing accuracy	NEU-61
Samantha	White	Neuroscience	Lifespan related changes of striatal dopamine release capacity in mouse and macaque	NEU-62
Tanya	Whiteside	Microbiology and Infectious Diseases	Machine learning in laboratory animal diagnostic microbiology - development of a bacterial database using MALDI-TOF MS	MIC-19
Joelyz	Wolcott	Neuroscience	An amygdalopontine pathway promotes motor programs of ingestion	NEU-63
Kurt	Wollenberg	Microbiology and Infectious Diseases	Global distribution of clusters of nitroimidazole-resistant strains <i>Mycobacterium tuberculosis</i> that predate drug approval	MIC-20
Xiaoyue	Wu	Molecular Biology and Biochemistry	NAPRT-mediated deamidated NAD biosynthesis enhances tissue resiliency and suppresses tumorigenesis	MOL-25
Brian	Xi	Microbiology and Infectious Diseases	<i>Plasmodium falciparum</i> in vitro assays to model drug treatment failures from dormant blood-stage parasites	MIC-21
Luciana	Yamamoto de Almeida	Developmental Biology	Skeletal maturity and age-related changes in immune cells and circulatory factors impair large-scale bone regeneration	DEV-13
Shu	Yang	Molecular Biology and Biochemistry	Identification of Environmental Compounds That May Trigger Early Female Puberty by Activating Human GnRHR and KISS1R	MOL-26
Ayse	Yesbek Kaymaz	Neuroscience	Alsln loss of function impairs Rac1 signaling and endosomal trafficking in ALS2	NEU-64
Yue	Zhang	Microbiology and Infectious Diseases	Longitudinal analysis reveals a delayed recovery of lower airway dysbiosis following SARS-CoV-2 infection	MIC-22
Jiajing	Zhang	Neuroscience	Microglia integrated neural spheroids enable neuroinflammatory responses and correct SNCA A53T-associated neural activity alterations	NEU-65