First Name	Last Name	Scientific Focus Area	Title	POSTCAT#
Priyanka	Abeyrathne	Structural Biology	Investigating the Role of Synaptic Vesicles in Mammalian Neurotransmission	STR-1
Mohit	Aggarwal	Epidemiology	Integrative Proteomic Profiling of Blood Pressure and Hypertension	EPI-1
Almira	Ahmed	Structural Biology	The Development of a Vesicle Model to Study Solvent PRE-Effects on Lipoprotein Particles	STR-2
Cristina	Antich Acedo	Biomedical Engineering and Biophysics	A high throughput 3D bioprinted human placenta model as a novel predictive platform to study drug safety and pathological conditions during pregnancy	BME-1
Richard	Apps	Immunology	Leveraging optimized oligonucleotide-tagged antigen assemblies and single cell sequencing for multiplexed proteogenomic profiling of human B cell reactivities	IMM-1
Gunjan	Arora	Virology	Severe Acute Respiratory Syndrome Coronavirus-2 Core (SVC) Lab: A Research Core Serving the NIH Intramural Research Community	VIR-1
Georgina Luisa	Baca	Systems Biology	Serotonin regulates heart rhythm via calcium-mediated, dose-responsive pacemaker mechanisms	SYS-1
Eden	Beyene	Epidemiology	Comorbidity and Familial Aggregation of Mood Disorders and Cigarette Smoking in a Controlled Family Study	EPI-2
Sayantan	Bhadra	Biomedical Engineering and Biophysics	Universal deep learning segmentation of third space fluids on abdominal CT	BME-2
Prema	Bhattacharjee	Epidemiology	Early life body size and risk of developing biliary tract cancers	EPI-3
Federica	Bichicchi	Virology	Characterization of salivary glands virome in Sjogren's Syndrome patients through the use of spatial transcriptomics	VIR-2
Ricardo	Bigolin Lanfredi	Biomedical Engineering and Biophysics	LEAVS: A Large Language Model Labeler for Training Abdominal Computed Tomography Artificial Intelligence Models	BME-3

Frank	Borris	Immunology	Evaluating the Role of Bacterial EVs in Thyroid Autoimmunity	IMM-2
Clinton	Bradfield	Immunology	Distinct Immunometabolic Processes Regulate Inflammasome Assembly and Pyroptosis	IMM-3
Kyra	Carney	Immunology	4-1BBL/4-1BB interaction is critical for EBV-transformed B cells to induce NK cell proliferation	IMM-4
David	Castellano	Stem Cell Biology	Functional and Molecular Characterization of hPSC-derived Sensory Neurons During Inflammatory Sensitization	STE-1
Guibin	Chen	Stem Cell Biology	Reactivation of Human X-Linked Gene and Stable X-Chromosome Inactivation Observed in Generation and Differentiation of iPSCs from a Female Patient with HNRNPH2 Mutation	STE-2
Sean	Cleary	Biomedical Engineering and Biophysics	Direct detection of ATP13A2 polyamine transport across the plasma membrane of Xenopus oocytes	BME-4
Samantha	Cotsmire	Virology	Identification of antivirals against Rift Valley Fever Virus	VIR-3
Valentine	Courouble	Systems Biology	Development of an integrated high-throughput proteomics sample preparation platform for analysis of C. elegans	SYS-2
Fiona	Daly	Stem Cell Biology	Small Molecule Modulation of Signaling Gradients Directs Orthogonal Patterning of Hypothalamic Nuclei from Human Pluripotent Stem Cells	STE-3
Jacob	Davis	Systems Biology	Introducing the Systems and Computational Biology section of the Trans-NIH BETA Center	SYS-3
Thayne	Dickey	Immunology	Computational structure-based design of vaccine antigens using SPEEDesign	IMM-5
Emilios	Dimitriadis	Biomedical Engineering and Biophysics	Atomic Force Microscopy: A Versatile Microscopy Resource for IRP collaborations	BME-5
Dorjbal	Dorjsuren	Virology	Development of an Antiviral Probe against Rabies Virus and Its Evaluation in a 3D Dorsal Root Ganglion Organoid-Innervated Pathogenic Model	VIR-4

Tongyi	Dou	Structural Biology	Organic anion transporter 1: mechanism of action and chloride regulation	STR-3
Carey	Dougan	Biomedical Engineering and Biophysics	BETA Center: Designing, Engineering, and Characterizing User Specific Biomaterials	BME-6
Ibraheem	Farooq	Biomedical Engineering and Biophysics	Video analysis system for behavior and activity assessment of fruit flies in high throughput studies	BME-7
Erin	Floranda	Stem Cell Biology	Generation of human induced pluripotent stem cell-derived dorsal root ganglion organoids to model chemotherapy-induced peripheral neuropathy	STE-4
Shayne	Frebert	Biomedical Engineering and Biophysics	3D Bioprinted Functional Neuromuscular Junction Tissue Models of Myopathies for Therapeutic Discovery	BME-8
Raisa	Freidlin	Biomedical Engineering and Biophysics	Mixed Reality Visualization and Manipulation with Freehand ROI Drawing in 3D Clinical and Research Data	BME-9
Kevin	Gery	Biomedical Engineering and Biophysics	Correlative Raman and immunofluorescence imaging reveals heterogeneity of stress granules induced by oxidative damage	BME-10
Belinda	Gorsuch	Epidemiology	Skin reaction to sunlight and risk of basal and squamous cell carcinoma in the US Radiologic Technologists study	EPI-4
Matthew	Greenlee	Immunology	Raising humanized nanobodies against Ab40 fibril plaques	IMM-6
Sena	Gul	Stem Cell Biology	Region-specific iPSC-RPE models reveal differential sensitivity to AMD	STE-5
Anh	Ha	Virology	NCBI Virus: Accessing virus sequences and associated metadata	VIR-5
Mishkat	Habib	Biomedical Engineering and Biophysics	Characterizing Liver-Mimicking Phantoms for Modeling Biomechanical Properties Using DMA and MRI	BME-11
Tesfa	Habtewold	Epidemiology	Maternal polygenic influence on gestation duration exhibits opposite effects on fetal growth in early and later pregnancy: a trade-off?	EPI-5

Ruth	Hartke	Virology	Broad-spectrum antiviral activities of synthetic natural product ZJ-101 series compounds	VIR-6
Zakiyah	Henry	Systems Biology	3-Month dosed-feed toxicity study (including perinatal exposure) of Garcinia cambogia extract in Sprague Dawley rats	SYS-4
Miguel	Holmgren	Biomedical Engineering and Biophysics	AI-guided identification of lipid-binding sites in membrane proteins: disambiguation of cryo-EM densities with co-folding and structural simulation tools	BME-12
Jacqueline	Howard	Immunology	Dolutegravir primes HIV latency reversal in vivo by promoting immune activation of effector cells	IMM-7
Ayotimofe	Idowu	Stem Cell Biology	Improved Organ Function post Non-myeloablative Hematopoietic Cell Transplantation in the Murine Model of Sickle Cell Disease	STE-6
Thomas	Jones	Biomedical Engineering and Biophysics	Development of a High-Precision Actuator for Wide-Frequency Magnetic Resonance Elastography	BME-13
Vukasin	Jovanovic	Stem Cell Biology	Type 2 Diabetes Polygenic Risk Shapes Gene Regulation in Human Hypothalamic POMC Neurons	STE-7
Heather	Kalish	Biomedical Engineering and Biophysics	Microanalytical Immunochemistry Unit- An NIH Analytical Resource	BME-14
Jennifer	Kang	Epidemiology	Gene-Level and Isoform-Level Transcriptomic Signatures of Glycemic Traits	EPI-6
Sun Jung	Kang	Epidemiology	A Harmonized Framework for Accelerometry Data Across Three Continents Reveals Robust Lifespan Signatures of Sleep, Physical Activity, and Circadian Rhythmicity	EPI-7
Parnika	Kant	Biomedical Engineering and Biophysics	Comparison of 3D culture models for use in a thyroid-on-a-chip	BME-15
Suneet	Kaur	Immunology	The scaffolding protein AKAP5 shapes innate immune responses to allergen	IMM-8
Pavel	Khil	Immunology	PanSeq: a 1.8M peptide modular phage display library for profiling human and pathogen antibody reactivities in biofluids	IMM-9

Juyoung	Kim	Immunology	Compound heterozygous GALE mutations are associated with B- and T-cell lymphopenia in primary immunodeficiency diseases (PID)	IMM-10
L.	Kirk	Biomedical Engineering and Biophysics	Hepatic spheroids as predictive liver models for high throughput screening of potential drug-induced liver injury (DILI) compounds	BME-16
Lauren	Krausfeldt	Immunology	Bacterial peptides with an H2-M3 binding motif in the human gut microbiome and their association with inflammatory bowel disease	IMM-11
Jonathan	Krynitsky	Biomedical Engineering and Biophysics	Characterizing Spontaneous Movements During Early Development of Mice	BME-17
Rachel	Kulchar	Immunology	Prednisone Restores Salivary Gland Function Post-Immune Checkpoint Inhibitor-Induced Sicca	IMM-12
Raghupathi	Kummari	Structural Biology	Uncovering Allosteric Inhibitors of VCP/p97: Structural Mechanisms and Therapeutic Implications for Cancer Treatment.	STR-4
Ian	LaCroix	Systems Biology	Translation Metabolomics Across Diseases Maps a Complex Pattern of Xanthine Oxidation and Salvage in Inflammation and Cellular Stress.	SYS-5
Olivia	Lambertson	Structural Biology	Cryo-electron microscopy structure of the sickle hemoglobin fiber and its importance for drug discovery in a virtual screen	STR-5
Dominic	Lanasa	Immunology	Mapping the MHC Requirement for the Differentiation of $CD4^{+}CD8\alpha\alpha^{+}$ Intraepithelial T cells in the Gut	IMM-13
Kathryn	LaPorte	Immunology	The perturbation of oral tolerance during an ongoing influenza A infection	IMM-14
Mattias	Lenz	Immunology	Optimizing a commercially available B cell receptor sequencing assay for use with FFPE RNA	IMM-15
Ari	Levine	Immunology	Three-dimensional modeling of nerve architecture and myeloid cell interactions in eosinophilic gastrointestinal disease	IMM-16
Dan	Li	Immunology	A gut-specific requirement for anti-apoptotic Mcl-1 in the homeostatic maintenance of Foxp3+ regulatory T cells	IMM-17

HoTae	Lim	Stem Cell Biology	Axon pathfinding of retinal ganglion cells in an apical-in retinal organoid model derived from human pluripotent stem cells	STE-8
Yi Wei	Lim	Biomedical Engineering and Biophysics	Biofabrication of immunocompetent 3D skin tissue equivalents to model skin wound healing and fibrosis.	BME-18
Andrew	Lin	Immunology	IFIT1 suppresses RSV infection by modulating microRNA-mediated regulation of IL-1β	IMM-18
Bin	Lin	Immunology	NEMO Exon 5 Skipping Triggers Systemic Autoinflammation, Cell Death Pathway Activation, and γδ T Cell Expansion	IMM-19
Elizabeth	Linton	Epidemiology	Identifying alpha-globin structural variants using custom random forest classifiers trained on simulated data in the All of Us Research Program: A Reliability study	EPI-8
Wilfred	Lopez Perez	Immunology	Epithelial membrane protein 2 deletion mitigates alveolar epithelial injury and lung fibrosis	IMM-20
Aditi	Mahajan	Stem Cell Biology	Vision on Usher 3: Patient Retinal Organoids Reveal CLRN1-Cone Crisis	STE-9
Nathan	Manes	Systems Biology	Data-driven modeling of the mouse macrophage Toll-like receptor signaling pathway	SYS-6
Andrew	Massey	Biomedical Engineering and Biophysics	Sialic acid depletion leads to profound remodeling of glycocalyx architecture and mechanics in pancreatic cancer cells	BME-19
Mazen	Mezher	Biomedical Engineering and Biophysics	Ezrin plays a key role in regulating the viscoelastic properties and force generation in T lymphocytes during the formation of the immunological synapse.	BME-20
Andre	Montes	Biomedical Engineering and Biophysics	Cerebral arteries in mice with sickle cell disease are exposed to larger areas of low wall shear stress	BME-21
Nicole	Morgan	Biomedical Engineering and Biophysics	Microfabrication for biomedical research	BME-22
Ai	Nguyen	Biomedical Engineering and Biophysics	A conserved oligomerization motif in the disordered linker of coronavirus nucleocapsid protein	BME-23

Justine	Noel	Biomedical Engineering and Biophysics	Deciphering Placental Immunity: Predictive Human Placenta Barrier Model to Study Trimester-Specific Inflammatory Responses.	BME-24
Kauthrah	Ntabadde	Epidemiology	Prevalence and Correlates of Hepatic Fibrosis in African Immigrants Living in the United States	EPI-9
Yeuran	Oh	Systems Biology	Physiological temperature variations affect NF-κB signaling dynamics in fibroblasts	SYS-7
ESAM	Orabi	Structural Biology	Mechanistic Insights into NBCe1 Transporter Function from Cryo-EM and MD Simulations	STR-6
Mina	Peyton	Systems Biology	Proteomic Analysis of Tick-Borne Diseases: Vector-host and Pathogen-vector Interactions using DDA and DIA Mass Spectrometry	SYS-8
Katherine	Pullella	Epidemiology	Exposure to Silent Spring potential breast carcinogens and association with breast cancer incidence in a diverse U.S cohort	EPI-10
Rebeka	Rafi	Epidemiology	Temporal evaluation of the Metabolic Vulnerability Index and its subcomponents in a Heart Failure Clinical Trial Population	EPI-11
Shah Md Toufiqur	Rahman	Immunology	NF-κB signaling dynamics in microglia across aging and neurodegeneration	IMM-21
Monika	Rajput	Biomedical Engineering and Biophysics	3D Bioprinted in vitro vascularized tissue model to investigate angiogenesis and vascular dysfunction induced by environmental toxicants	BME-25
Anjali	Raju	Structural Biology	Investigating the open conformation of GadC, an E.Coli glutamate/GABA antiporter	STR-7
Ilyssa	Ramos	Immunology	High-dimensional phospho-CyTOF reveals T-cell activation dynamics in whole blood	IMM-22
Allison	Rattay	Immunology	Taurine and α-ketoglutarate induce innate immune memory in macrophages and facilitate the reactivation of latently infected HIV by β-glucan and MDP.	IMM-23
Shreyanshu	Ray	Virology	Fusion peptide priming and trimer boosting strategies for HIV vaccine development in guinea pigs	VIR-7

Thomas	Recupero	Immunology	Ketone Bodies Impact on Immune Cell Metabolism	IMM-24
Ali	Rizvi	Immunology	Hydroxychloroquine toxicity risk in SLE patients with renal impairment	IMM-25
Benjamin	Ryan	Immunology	Center for Human Immunology	IMM-26
Seungmi	Ryu	Biomedical Engineering and Biophysics	Development of disease models and therapeutic strategies using human pluripotent stem cell-derived organoids for translational research	BME-26
Zillay	Saleem	Biomedical Engineering and Biophysics	Improving Sensitivity in MALDI-TOF Imaging Through Systematic Protocol Optimization	BME-27
Nichole	Salinas	Immunology	Pfs230D1 24- and 60-copy single component malaria transmission blocking nanoparticle vaccines elicit a potent and durable response upon vaccination	IMM-27
Ryon	Sarkarzadeh	Immunology	Engineering Raji cell lines with variable CD20 expression to evaluate antigen sensitivity of novel CAR-NK cells	IMM-28
Levi	Scarpelli	Immunology	Optimization and automation of high-throughput ELISA for Aedes aegypti exposure	IMM-29
Brandon	Schweibenz	Structural Biology	Chikungunya virus polyprotein cleavage is regulated by nucleic acid binding	STR-8
Guangpu	Shi	Immunology	Essential transcription factors for T cell licensing	IMM-30
Zeenat	Shyr	Stem Cell Biology	High throughput screening assays for an ultra-rare disease caused by NGLY1 enzyme deficiency	STE-10
Giacomo	Sidoti Migliore	Immunology	Identification of soluble tamarin CD81 large extracellular loop as a broad and potent HCV neutralizing molecule	IMM-31
Brian	Silver	Stem Cell Biology	Characterization of Extracellular Vesicles and miRNA Released by Cerebral Organoids	STE-11

Ashok	Silwal	Virology	A dual approach to AAV optimization: capsid deimmunization and production enhancement	VIR-8
Anisha	Singh	Epidemiology	The Impact of Ambient Environmental Stressors on Neurodevelopmental Disorders: Interactive Systematic Evidence Maps to Inform Decisions	EPI-12
Asma	Sodager	Biomedical Engineering and Biophysics	Optical Assessment of Blood Pressure-Related Changes During a Mental Arithmetic Task After Artifact Removal	BME-28
Preeyaporn	Songkiatisak	Immunology	Unraveling Microglia Heterogeneity: The Role of NF-κB Dynamics, Amyloid β Phagocytosis and Clearance in Alzheimer's Disease.	IMM-32
Cesar	Speck Hernandez	Immunology	ICOS supports the IL-2-independent survival and effector function of small intestine intraepithelial Foxp3+ Treg cells	IMM-33
Jake	Szeszko	Systems Biology	Short-term Heart Rate Variability Changes with Age in C57 Mice.	SYS-9
Yerbol	Tagay	Biomedical Engineering and Biophysics	Cracking the Code of Nuclear Rigidity: New Frontiers in Cell Migration and Therapy	BME-29
Ravi	Tharakan	Systems Biology	A Multiomics Method for Determining Off-Target Effects of Targeted Protein Degraders	SYS-10
Christina	Tillinghast	Immunology	Critical role of Helios in the differentiation of T conventional memory cells	IMM-34
Beianka	Tomlinson	Epidemiology	The Role of Extracellular Vesicles as a Link Between Obesity and Vascular Fibrosis in Chronic Kidney Disease	EPI-13
Paul	Trusov	Systems Biology	Comparative analysis of charge state determination methods in mass-spectrometry – based proteomics	SYS-11
Yen-Ting	Tung	Biomedical Engineering and Biophysics	Single-cell transcriptomics on a bioprinted 3D neurovascular unit glioblastoma model identifies pharmacological interventions that selectively target tumor cells	BME-30
Jose	Vazquez	Structural Biology	UEVLD as a potential tool to study Tsg101 and an application model for pseudocontact shift experiments	STR-9

Abhi	Verma	Immunology	neuroimmune crosstalk in a mouse model of Alzheimer's disease	IMM-35
Quoc	Vu	Biomedical Engineering and Biophysics	Site-specific Raman Probes of TDP-43 C-terminal Domain Phase Separation and Aggregation	BME-31
Prabhavi	Wijesiriwardhana	Epidemiology	Multi-ancestral GWAS meta-analysis of maternal blood pressure trajectory during pregnancy	EPI-14
Christopher	Wilson	Structural Biology	Insights into Liquid-Liquid Phase Separation of the Fused In Sarcoma Low-Complexity Domain from low-temperature solid-state NMR	STR-10
Jennifer	Woo	Epidemiology	The effects of early life social environment on systemic lupus erythematosus risk in adulthood	EPI-15
Di	Wu	Biomedical Engineering and Biophysics	Mass Photometer Used in Biological Studies	BME-32
Shuai	Xie	Epidemiology	Predicting missing data for estimating endotoxin exposure using ordinal classification trees in the Agricultural Health Study	EPI-16
Arjun Singh	Yadaw	Epidemiology	Impact of Preexisting Rare Diseases on COVID-19 Severity, Reinfection, and Long COVID, and the Modifying Effects of Vaccination and Antiviral Therapy: A Retrospective Study from the N3C Data Enclave	EPI-17
Linlin	Yao	Biomedical Engineering and Biophysics	Automatic anatomical labeling of abdominal arteries in contrast-enhanced CT scans	BME-33
Choa Yun	Yun	Epidemiology	Biological Aging and Autoimmune Disease Incidence: A Large Prospective Cohort Study	EPI-18
Xiao	Zhang	Epidemiology	Deconvolution of whole blood transcriptome reveals cell-specific smoking signatures	EPI-19
Huaying	Zhao	Biomedical Engineering and Biophysics	Multimethod Analysis of Size Distribution and Composition of Macromolecular Assemblies	BME-34
Guangning	Zong	Immunology	Understanding antibody cross-reactivity for peanut allergens Ara h 2 and Ara h 6 at the molecular level	IMM-36