

2024 NIH Research Festival Posters
Monday, September 23, 2024 || Building 10, FAES Terrace, NIH Bethesda
Poster Session II: 11:00 a.m. – 12:30 p.m.

PosterCat	#	Title	Authors	Lead IC
Cell Biology (CELLBIO)	1	Glycome profiling with a DNA-barcoded antibody library and microarray technology	AZ Bhakta, S Marglous, KM Gillmann, JC Gildersleeve	NCI
Cell Biology (CELLBIO)	2	Cardiac lipolysosome-like structures in IL-4 receptor α -deficient BALB/c mice with heart failure.	AS Gozalo, WR Elkins	NIAID
Cell Biology (CELLBIO)	3	The effects of estradiol and estriol secretion pattern on estrogen receptor dynamics and gene regulation	L Hoang, D Stavreva, K Wagh, H LaPoint, L Schiltz, A Upadhyaya, R Chari, G Hager	NCI
Cell Biology (CELLBIO)	4	Investigating the impact of non-myeloablative hematopoietic cell transplantation on organ pathology in the murine model of Sickle cell disease	A Idowu, D Gaskin, M Ali, D Kabore, X Xu, E Limerick, Z Quezado, D Springer, C Fitzhugh	NHLBI
Cell Biology (CELLBIO)	5	Saving the Liver: PCBP1 and PCBP2 Iron Chaperones are Essential for Hepatocyte Survival	E Messenger, O Protchenko, A J Tietgens, S Jadhav, S Grounds, M Shakoury-Elizeh, C Philpott	NIDDK
Cell Biology (CELLBIO)	6	Exploring the intracellular incorporation and distribution of PFAS using a novel fluorescent probe	EJ Morgan, A Singh, Z Shi, RE Swenson, CM Guardia	NIEHS
Cell Biology (CELLBIO)	7	Hyperglycemia disrupts vitamin C physiology in vitro and in vivo: translational glucotoxicity	K Patra, H Tu, Y Wang, M Levine	NIDDK
Cell Biology (CELLBIO)	8	Autophagy proteins differentially regulate extracellular vesicles (EVs) formation and secretion in the placenta	A Singh, D Johnson, J Williams, J Kuhn, CM Guardia	NIEHS
Epidemiology (EPIG)	1	Relationship between chronic pain and psychological distress among immigrants: Mediated by life satisfaction and moderated by sexual identity	D Adzrago, F Williams	NIMHD
Epidemiology (EPIG)	2	Comorbidity and Familial Aggregation of Mood Disorders and Smoking Phenotypes in a Controlled Family Study	E Beyene, KP Conway, L Cui, KR Merikangas	NIMH
Epidemiology (EPIG)	3	Posttraumatic stress disorder, depressive symptoms, and cognitive function among middle-aged urban adults: Healthy Aging in Neighborhoods of Diversity across the Life Span study	MF Georgescu, MA Beydoun, RH Pietrzak, HA Beydoun, NN Hooten, S Banerjee, MK Evans, AB Zonderman	NIA
Epidemiology (EPIG)	4	Midlife vascular risk factors, Parkinson's disease, and Parkinson's disease-dementia in the Atherosclerosis Risk in Communities (ARIC) cohort	M Johri, V Morrill, DN Okine, J Seemiller, KJ Sullivan, L Rosenthal, S Shrestha, RF Gottesman, H Chen	NINDS
Epidemiology (EPIG)	5	A Scoping Review Exploring Cardiovascular Risk and Health Metrics and Cancer Prediction	JE Kim, GH Santos, SJ Kumar, AA Livinski, JB Vo, F Zhu, J Joo, JJ Shearer, M Hashemian, VL Roger	NHLBI
Epidemiology (EPIG)	6	Carcinogenic industrial air pollution and lung cancer risk in a large prospective U.S. cohort	JM Madrigal, JA Fisher, CN Pruitt, LM Liao, BI Graubard, MH ward, DT Silverman, RR Jones	NCI
Epidemiology (EPIG)	7	Molecular and serological analysis of linked blood donor and recipient samples to rule out transmission of parvovirus B19 infection by transfusion	MJ Miller, ML Virata, H Yan, L Zhong, S Tarafdar, S Fowler, P Zhang, HJ Alter, V De Giorgi	CC

2024 NIH Research Festival Posters
Monday, September 23, 2024 || Building 10, FAES Terrace, NIH Bethesda
Poster Session II: 11:00 a.m. – 12:30 p.m.

Epidemiology (EPIG)	8	Intergenerational Educational Attainment and Risk for Incident Dementia: The Atherosclerosis Risk in Communities (ARIC) Neurocognitive Study	S Gupta, V Morrill, RC Groechel, A Kucharska-Newton, TH Mosley, PL Lutsey, E Meza, RF Gottesman	NINDS
Epidemiology (EPIG)	9	Racial Disparities in Mortality in the District of Columbia from 2000 to 2020	M Hashemian, KM Conners, TM Powell-Wiley, R Rafi, GH Santos, JJ Shearer, J Joo, M Shiels, VL Roger	NHLBI
Epidemiology (EPIG)	10	Exposure to extreme heat or cold temperatures in the US may increase the probability of early-term births in a dose-response" manner."	S Rawat, N Perkins, E DeVilbiss, B Scholl, T Petty, B Kidd, D Mav, U Grewal, SD Peddada	NIEHS
Epidemiology (EPIG)	11	Being aWARE: engaging the community in development of a Web-based tool for Autism Research	A Singh, CP Lawler, AC Haugen, AE Garton, VR Walker, J Rochester, R Blain, KE Pelch, A Hannani, J Frye, W Tracy, AA Rooney	NIEHS
Epidemiology (EPIG)	12	Association between selenium levels and ESCC in Lilongwe Malawi	E Uduh, C Abnet, Y Yano	NCI
Epidemiology (EPIG)	13	Identification of Rare Disease Patients in EHR Systems and their COVID-19 Outcomes: A Retrospective Study Using the National Covid Cohort Collaborative (N3C) Data	A S Yadaw, Q Zhu, E Sid, E A Mathé	NCATS
Epidemiology (EPIG)	14	Associations between neutrophil-to-lymphocyte ratio and autoimmune diseases: evidence from a large prospective cohort study	D Yoon, MA Beydoun, LJ Launer, M Song	NIA
Epidemiology (EPIG)	15	Immune Responses to Infection and Autoimmune Diseases in the UK Biobank	C Yun, M A Beydoun, L Launer, M Song	NIA
Epidemiology (EPIG)	16	Estimating Agreement by Chance for Sequence Annotation	D LI, C Rosé, A Yuan, C Zhou	CC
Health Disparities (HLTH DISP)	1	Neighborhood deprivation as a moderator for the relationship between negative affect and monocytes: data from the geospatial study of stress and cardiovascular health in the city	EM Aquino Peterson, MR Andrews, SD Regan, Y Baumer, A Dave, LR Ortiz-Whittingham, AS Baez, M Marah, AL Wells, LG Mendelsohn, A Saurabh, ST Reynolds, S Hicks, D Sandler, S Sharda, SM DeGuzman, AT Redai, K Tolentino, K Tamura, TM Powell-Wiley	NHLBI
Health Disparities (HLTH DISP)	2	FairLab what makes a good life study	Y Asada, A Welna, J Abelson, E Blacksher, M Danis, M Gold, SYH Kim	CC
Health Disparities (HLTH DISP)	3	Socio-demographic characteristics of patients with hematologic malignancies referred to the National Institutes of Health (NIH) for Hematopoietic Cell Transplant (HCT): a retrospective study of patient barriers to HCT access.	CA Eleanya, SL Doran, AH Chai, RM Schwartz, JR Andrade, D Dimitrova, J Hendricks, MA Hyder, KA Rechache, RS Sabina, JM Sponaugle, CG Kanakry, JA Kanakry	NCI
Health Disparities (HLTH DISP)	4	Rheumatoid arthritis disease outcomes and social determinants of health in a majority Latine cohort: a preliminary analysis	G Gonzalez, S Villalobos, N Spencer, G Vines, S Hasni, A Fike	NIAMS
Health Disparities (HLTH DISP)	5	Racialized Economic Segregation, the Built Environment, and Assault-Related Injury: Moderating Role of Green Space and Vacant Housing	LA Marineau, KK Jones, AK Small, M Sona, E Liedtke, SN Zenk	NIMHD
Health Disparities (HLTH DISP)	6	Neighborhood Perceptions Associate with Lipid Biomarkers in African-American Women with Cardiovascular-Kidney-Metabolic Syndrome: Data from the Step It Up Digital Health-Enabled, Community-Engaged Physical Activity Intervention	ST Reynolds, MR Andrews, Y Baumer, D Sandler, S Sharda, SR Hicks, EMA Peterson, A Saurabh, MA Cintron, MA Pito, KJ Tolentino, M Marah, FO Baah, JF Troendle, C Ayers, LG Mendelsohn, S DeGuzman, AT Redai, A Wells, TM Powell-Wiley	NHLBI
Health Disparities (HLTH DISP)	7	Infusing equity in preclinical research and therapeutic development: Bridging the translational and clinical divide between diagnosis and treatment for rare diseases	TL Rogers, PS Huston, EK Taylor, JM Cohen, M Washabaugh, Y Shaikh, TM Habtu, SH Kinling, CL Purdy, L Toney, D Lo, E Ottinger, SJ Haugabook	NCATS

2024 NIH Research Festival Posters
Monday, September 23, 2024 || Building 10, FAES Terrace, NIH Bethesda
Poster Session II: 11:00 a.m. – 12:30 p.m.

Health Disparities (HLTH DISP)	8	U.S. heat exposure and mental health hospitalization: Exploring disparities by race, ethnicity and insurance status	AK Small, KJ Jones, L Marineau, E Liedtke, M Sona, SN Zenk	NIMHD
Health Disparities (HLTH DISP)	9	Community-based participatory research to understand and promote immigrant mental health and well-being: Immigrants' cultural perspectives	F Williams, M Elhabashy, D Adzrago	NIMHD
Microbiology and Infectious Diseases (MICROBIO)	2	Identification of elusive molecule from Dialysable leukocyte extracts mediating passive cellular immunity and their potential therapeutic utility	PP Chaudhary, M Yadav, IA Myles	NIAID
Microbiology and Infectious Diseases (MICROBIO)	3	Patients with WHIM syndrome have increased susceptibility to cutaneous fungal infections	JC Meltzer, J Strong, S Martinez, A Salancy, DH McDermott, PM Murphy, L Castelo-Soccio, I Brownell	NIAMS
Microbiology and Infectious Diseases (MICROBIO)	4	Leveraging the Townes mice to study interactions between sickle cell disease and schistosoma (human blood fluke worm) infection	JPK Mukendi, COS Souza, O Kamenyeva, J Kabat, S Kamimura, M Smith, ZMN Quezado, P Loke	NHLBI
Microbiology and Infectious Diseases (MICROBIO)	5	Simulated Breathing Patterns Classification Using Two-Stream Convolutional Neural Network for Monitoring of Respiratory Disease Patients	J PARK, T NGUYEN, S PARK, B HILL, B SHADGAN, A GANDJBAKHCHHE	NICHD
Microbiology and Infectious Diseases (MICROBIO)	6	Detection and Serotyping of Dengue virus Infection using third generation sequencing technology.	LC Perinet, AN Henning, PC Baré, MJ Miller, V De Giorgi	CC
Microbiology and Infectious Diseases (MICROBIO)	7	Employing Fluorescence-Assisted Two-Step Allelic Exchange to Investigate MexVW in P. aeruginosa	A Ramkumar, PP Patil, AD Chiang, AG Moller, S Ghosh, JP Dekker	NIAID
Microbiology and Infectious Diseases (MICROBIO)	8	Effect of plasma from murine experimental cerebral malaria infection on constriction of aortic rings	GS Sanches, TSB Marins, CG Pontes, F Gomes, H Ackerman, LJM Carvalho	NIAID
Microbiology and Infectious Diseases (MICROBIO)	9	TRPA1 influences Staphylococcus aureus skin infection in mice and associates with HIF-1a and MAPK pathway modulation	M Yadav, P P Chaudhary, G Ratley, B D'Souza, M Kaur, S Ganesan, J Kabat, I A Myles	NIAID
Microbiology and Infectious Diseases (MICROBIO)	10	TB Portals Program: Exploring the association between biochemistry parameters and clinical outcomes in patients with tuberculosis	Y Yi, MP Peyton, G Rosenfeld, AE Gabrielian, ZR Yaniv, MA Harris, A Rosenthal, DE Hurt	NIAID
Molecular Biology and Biochemistry (MOLBIO)	1	Optimization of sample preparation and LC-MS analysis for high throughput untargeted lipidomics and metabolomics	D Bennouna, HAS Chatelaine, K Mehta, A Tisch, C Beecher, CA LeClair, EA Mathé	NCATS
Molecular Biology and Biochemistry (MOLBIO)	2	The PEDF/PEDF-R axis plays a regulatory role in photoreceptor survival and lipid metabolism	A. Bernardo Colon, S.E Crawford, P. Becerra	NEI
Molecular Biology and Biochemistry (MOLBIO)	3	HIV-1 inhibitory sequences improve vector titers and transduction efficiency with the minimal size of lentiviral vectors	AC Bradley, A Le, J Ball, S Demirci, X Liu, M Hsieh, JF Tisdale, N Uchida	NHLBI
Molecular Biology and Biochemistry (MOLBIO)	4	Pigment epithelium-derived factor-receptor (PEDF-R/ATGL) exhibits phospholipase B activity	S Debnath, SP Becerra	NEI
Molecular Biology and Biochemistry (MOLBIO)	5	Photoreceptor survival mediated by PEDF is associated with Cone-Rod Homeobox (CRX) upregulation	S Dixit, SP Becerra	NEI

2024 NIH Research Festival Posters
Monday, September 23, 2024 || Building 10, FAES Terrace, NIH Bethesda
Poster Session II: 11:00 a.m. – 12:30 p.m.

Molecular Biology and Biochemistry (MOLBIO)	6	Bioisosteres of a Potent and Efficacious MOR Antagonist in the 5-(3-Hydroxy)phenylmorphinan Series	Z Hasanpour, A Sulima, L Spina, D Luo, T E Priszano, S Pranav, K Rintaro, X Xu, A E Jacobson, K C Rice	NIDA
Molecular Biology and Biochemistry (MOLBIO)	7	Androgen Receptor-Mediated Transcription Regulation under Pulsatile and Constant Hormone Stimulation	HK LaPoint, DA Stavreva, K Wagh, LM Hoang, A Upadhyaya, RL Schiltz, R Chari, GL Hager	NCI
Molecular Biology and Biochemistry (MOLBIO)	8	Optimization of various envelopes for efficient gene delivery with lentiviral vectors	A Le, A Bradley, J Ball, S Demirci, X Liu, M Hsieh, J Tisdale, N Uchida	NHLBI
Molecular Biology and Biochemistry (MOLBIO)	9	Aberrant vitamin C physiology in diabetes: a mouse model	SE Levitt, MA Levine, K Patra	NIDDK
Molecular Biology and Biochemistry (MOLBIO)	10	Identifying compounds that modulate autophagy using high-throughput screening and high-content imaging analysis	L Mitchell, M Ooka, J Zhao, L Zhang, Z Wei, R Huang, M Xia	NCATS
Molecular Biology and Biochemistry (MOLBIO)	11	Whole Genome Study of Nucleotide Excision Repair and Translesion Synthesis in <i>Saccharomyces cerevisiae</i>	M Monsur, SA Lujan, AB Burkholder, TA Kunkel	NIEHS
Molecular Biology and Biochemistry (MOLBIO)	12	The ER/PM junctions tether ANO8 regulates Orai1-STIM1 function by recruiting ORP8 to the junctions to determine PI(4)P and PI(4,5)P2 Levels.	A Movahed Abtahi, B LeBlanc, W Chung, S Muallem	NIDCR
Molecular Biology and Biochemistry (MOLBIO)	13	Resolving the molecular determinants underlying the conformational stability of STIM2	S Narayanasamy* (Co-first authors), HL Ong*, S Choi, D Bonhenry, M Sallinger, PB Stathopoulos, R Schindl, I Ambudkar	NIDCR
Molecular Biology and Biochemistry (MOLBIO)	14	Discovery of ITPK1 inhibitors Using a Luciferase-based High-Throughput Screen and X-Ray Crystallography	MY Ng	NCI
Molecular Biology and Biochemistry (MOLBIO)	15	Critical Role of Fibrinolysis in Hematopoietic Recovery After Myelosuppression	TP Nguyen, YG Jiang, F Ferrareso, CJ Kastrup, MJ Flick, TH Bugge, LM Silva	NIDCR
Molecular Biology and Biochemistry (MOLBIO)	16	<i>Candida auris</i> Metabolism Genes upregulated in Skin-Like Media	J Nicklas, C Deming, D Proctor, J Segre	NHGRI
Molecular Biology and Biochemistry (MOLBIO)	17	Profiling of Environmental Mixtures Containing Heavy Metals for Their Toxicity Pathways and Mechanism of Action	M Ooka, J Zhao, L Zhang, R Huang, S Sakamuru, J Hsieh, B Collins, J Dunnick, D Dixon, M Xia	NCATS
Molecular Biology and Biochemistry (MOLBIO)	18	The role of MSH2 in CGG repeat stability and methylation at the FMR1 locus in Fragile X Syndrome	J Grant-Bier, K Ruppert, B Hayward, K Usdin, D Kumari	NIDDK
Molecular Biology and Biochemistry (MOLBIO)	19	Applications of Microscale Thermophoresis to Small Molecule Drug Discovery and Optimization in the Molecular Targets Program	RS Shah	NCI
Molecular Biology and Biochemistry (MOLBIO)	20	Hydrophobic Interaction Liquid Chromatography Mass Spectrometry Enables Cellular Assay Development to Identify Inhibitors of Glycine N-Methyltransferase	JH Shrimp, QM Hanson, N Hoxie, J Janiszewski, V Chenniappan, C Kelly, M Shen, S Patnaik, MD Hall	NCATS
Molecular Biology and Biochemistry (MOLBIO)	21	PMS2 has both pro-mutagenic and anti-mutagenic effects on repeat instability in the Repeat Expansion Diseases	A Walker, DA Jimenez, K Usdin, X Zhao	NIDDK

2024 NIH Research Festival Posters
Monday, September 23, 2024 || Building 10, FAES Terrace, NIH Bethesda
Poster Session II: 11:00 a.m. – 12:30 p.m.

Molecular Biology and Biochemistry (MOLBIO)	22	The viral serpin SPI-1 inhibits the host cell serine protease FAM111A	AL Welter, S Palani, Y Machida, MJ Schellenberg, SH Kaufmann, YJ Machida	NCI
Molecular Biology and Biochemistry (MOLBIO)	23	Allosteric modulation of NF1 GAP activity	L Xu, H Jang, R Nussinov	NCI
Molecular Biology and Biochemistry (MOLBIO)	24	Lack of PNPLA2 accelerates progression of AMD-like features in mice	J Yang, A Bernardo-Colón, SP Becerra	NEI
Social and Behavioral Sciences (SOCIAL)	1	Challenges and opportunities facing cancer genetic counselors as implementers of rapidly evolving genomic evidence	S Arlen	NCI
Social and Behavioral Sciences (SOCIAL)	2	Social, Emotional, and Cognitive Challenges and Depressive Symptoms in Emerging Young Adults with Youth-Onset Type 2 Diabetes	SL Cantor, SB Giaros, IN Kacker, NA Macheret, GP Thota, N Malandrino, L Mabundo, M Monaghan, M Lightbourne, ST Chung	NIDDK
Social and Behavioral Sciences (SOCIAL)	3	Understanding Sociocultural Determinants of Attitudes to Blood Donation in Black Ethnic Subgroups Enrolled in Higher Education Institutions	M Chaplin, K West-Mitchell, G Dinwiddie	CC
Social and Behavioral Sciences (SOCIAL)	4	An interpretative phenomenological analysis of the experiences of caregivers of children diagnosed with CLN3 Batten Disease: The diagnostic odyssey and adjustment to the new normal	MC Fisher, PM Cooper, NG Colombo, ES Rubovits, LM Koehly	NHGRI
Social and Behavioral Sciences (SOCIAL)	5	Firearm violence exposures and cannabis, commercial tobacco, and harmful alcohol consumption: findings from a nationally representative survey of U.S. adults	LA Marineau, K Hacker, A Azeem, K Zarei, K Hamilton-Moseley, B Jewett, SN Zenk, K Choi	NIMHD
Social and Behavioral Sciences (SOCIAL)	6	Waterpipe (WP) smoking patterns in the US	AN Sanchez, H Goss-Holmes, S Volz, C Reyes-Guzman	NCI
Social and Behavioral Sciences (SOCIAL)	7	Examining associations between regional food-related implicit biases and regional obesogenic and environmental risk factors	MB Siroty, JL Howell, JMP Bittner, BK Cheon	NICHD
Social and Behavioral Sciences (SOCIAL)	8	Identifying cohesion of barriers and viewpoints across different stakeholders in drug repurposing	SR Strongin, KC Tumas, A Simeonov, EA Mathé	NCATS
Social and Behavioral Sciences (SOCIAL)	9	Do you have good communication skills? Cultural deterrence of family health history communication	S Zuniga, I Cordova, R Bishop, K Judy, L Koehly	NHGRI
Stem Cell Biology (STEMCELL)	1	Characterizing functional and molecular signatures of inflammatory sensitization in human pluripotent stem cell-derived sensory neurons	D Castellano, VM Jovanovic, R Tharakan, Y Qu, K Gerrish, P Ormanoglu, D Tao, CA LeClair, CA Tristan	NCATS
Stem Cell Biology (STEMCELL)	2	iPSC derived hepatic organoids for disease modeling and drug development	GB Chen, I Pavlinov, XL Huang, AR Lopez, C Chen, Wei Zheng	NCATS
Stem Cell Biology (STEMCELL)	3	Development of an iPSCs-derived macrophage model of Gaucher disease to enable high-throughput screening and drug discovery.	D Dabral, Y Chen, Y Fang, Y Lin, T Poudel, D Tao, J Marugan, E Sidransky, M Henderson	NCATS
Stem Cell Biology (STEMCELL)	4	Generation of isogenic gene-corrected lines originating from two individuals with JAG1-mutated Alagille Syndrome by CRISPR/Cas9	E Evans, G Chen, I Pavlinov, X Huang, K Linask, C Liu, A Rodriguez Lopez, RE Hartke, C Chen, J Zou, W Zheng	NCATS

2024 NIH Research Festival Posters
Monday, September 23, 2024 || Building 10, FAES Terrace, NIH Bethesda
Poster Session II: 11:00 a.m. – 12:30 p.m.

Stem Cell Biology (STEMCELL)	5	Potential use of iPSC-derived hepatocyte-like cells to develop precision medicine for ASH	SH Hoey, AJ Sanyal, B Mukhopadhyay, D Goldman	NIAAA
Stem Cell Biology (STEMCELL)	6	Generation of Human iPSC-derived skeletal myotubes to evaluate DOK7 and COLQ targeted therapeutics	B M Jones, Y Zou, C G Bönnemann, C Chen	NCATS
Stem Cell Biology (STEMCELL)	7	In vitro Pharmacological Evaluation in Mucopolysaccharidosis (MPS) IIIB Patient Derived Neural Stem Cells	MG Lorino, A Rodriguez-Lopez, G Chen, C Chen, W Zheng	NCATS
Stem Cell Biology (STEMCELL)	8	Distinct roles of INO80 in Naive and Primed state of Pluripotency	A Shaukat, X Wang, B Lackford, G Hu	NIEHS
Stem Cell Biology (STEMCELL)	9	Functional characterization of NGLY1 induced pluripotent stem cell-derived glutamatergic neurons in vitro	ZA Shyr, WF Borschel, A Farkondeh Kalat, W Zheng	NCATS
Stem Cell Biology (STEMCELL)	10	Unraveling impacts of a Tgfb2 mutation on endothelial cells through a murine iPSC-derived disease model	AH Slekar, B He, O Duverger, JS Lee	NIDCR
Stem Cell Biology (STEMCELL)	11	Unbiased CRISPR Screen Identified H3K9 methylation as deterministic epigenetic barriers for Primordial Germ Cell Specification	XK Wang, H Zhou, S Long, A Shaukat, SR Malki, PY Yang, M Zhang, G Hu	NIEHS
Stem Cell Biology (STEMCELL)	12	Establishment of iPSC derived 2D and 3D Niemann Pick Disease Type C2 Disease Models and Therapeutics Evaluation	M Xu, Y Shu, C Chen, W Zheng	NCATS
Stem Cell Biology (STEMCELL)	13	Unlocking cellular plasticity: Enhancing human iPSC reprogramming through bromodomain inhibition and extracellular matrix gene expression regulation	J Yang, HK Kinyamu, JM Ward, E Scappini, G Muse, TK Archer	NIEHS
Stem Cell Biology (STEMCELL)	14	Comparison of iPSC-derived liver organoids and other liver cell models using proteomic analysis and CYP450 assays	S Yang, J Hao, M Xia	NCATS
Systems Biology (SYSBIO)	1	Data-driven transcriptomics analysis identifies PCSK9 as a novel key regulator in liver aging	M Arif, C Matyas, P Mukhopadhyay, B Yokus, E Trojnar, J Paloczi, B Paes-Leme, S Zhao, FW Lohoff, G Hasko, P Pacher	NIAAA
Systems Biology (SYSBIO)	2	CRISPR/Cas9 screening identifies key transcription factors regulating Aqp2 gene transcription	L Chen, AR Murillo De Ozores, E Park, SM Ou, MA Knepper	NHLBI
Systems Biology (SYSBIO)	3	DAS and the Ludwig deep learning toolbox	RM Henderson	NIAID
Systems Biology (SYSBIO)	4	Saliva shapes gut microbiome and innate immunity: beyond of what we thought.	J Aoun, A Kabara, B LeBlanc, M Ahtuja, C Zhang, S Muallem	NIDCR
Systems Biology (SYSBIO)	5	Data-driven modeling of the mouse macrophage Toll-like receptor signaling pathway	NP Manes, SA Hassan, AA Armstrong, F Zhang, RA Gottschalk, MJ Marino, ID Fraser, RN Germain, M Meier-Schellersheim, A Nita-Lazar	NIAID
Systems Biology (SYSBIO)	6	CRISPR/Cas9 screening for protein kinases that regulate aquaporin-2 gene transcription in collecting duct	E Park, L Chen, MA Knepper	NHLBI

2024 NIH Research Festival Posters
Monday, September 23, 2024 || Building 10, FAES Terrace, NIH Bethesda
Poster Session II: 11:00 a.m. – 12:30 p.m.

Systems Biology (SYSBIO)	7	Long-term in vivo Calcium Imaging of Neuromedin-S Neurons Reveals a Multi-model Timekeeping Mechanism in Mammal Suprachiasmatic Nucleus	Q Tang, J Cook, M Yurgel, J Jones, S Hattar	NIMH
Systems Biology (SYSBIO)	8	Anticancer Target Combinations: A Network-Informed Signaling-Based Approach to Discovery	B.R Yavuz, H. Jang, R. Nussinov	NCI
Virology (VIROL)	1	Deep mutational scanning of EV-D68 3D RNA-dependent RNA-polymerase	BA Catching, PT Dolan	NIAID
Virology (VIROL)	2	Macrodomain Mac1 of SARS-CoV-2 nonstructural protein 3 hydrolyzes diverse ADP-ribosylated substrates	C Chea, DY Lee, J Kato, H Ishiwata-Endo, J Moss	NHLBI
Virology (VIROL)	3	Escalating dose priming increases VRC01-class B-cell precursors and leads to robust cross-strain serum neutralization in a stringent mouse model	KT Nguyen, X Chen, S Charaf, S O'Dell, M Choe, AS Olia, M Suleiman, S Luo, C Cheng, T Zhou, PD Kwong, NA Doria-Rose, FW Alt, JR Mascola, TC Pierson	NIAID
Virology (VIROL)	4	Development of High Throughput Screening and High Content Platforms for La Crosse Virus	SC Ogden, YM Ahn, A Medina, N Ibrahim, N Martinez, EM Lee	NCATS