

2024 NIH Research Festival Posters
Monday, September 23, 2024 || Building 10, FAES Terrace, NIH Bethesda
Poster Session IV: 3:00 p.m. – 4:30 p.m.

PosterCat	#	Title	Authors	Lead IC
Cancer Biology (CANCER)	1	Designing and utilizing a c-Rel specific bioassay in drug repurposing screen for HNSCC	KA Altwegg, KE King, D Blivis, TC Voss, NJ Martinez, WC Weinberg, MJ Henderson	NCATS
Cancer Biology (CANCER)	2	Spatial transcriptomics of mouse parathyroid gland cells expressing an activating variant of Gem2	P Bolel, JO Piña, FR Fauz, LS Weinstein, SK Agarwal	NIDDK
Cancer Biology (CANCER)	3	Investigating the role of intracellular Enterococcus faecalis in hepatocellular carcinoma	OY Mrad Bouali, MA Clavijo-Salomon, G Trinchieri	NCI
Cancer Biology (CANCER)	4	Whole-genome RNAi screen to identify modulators of prometastatic gene ASAP1	S Claffey, S Lin, Y Chen, PA Randazzo, K Cheng	NCATS
Cancer Biology (CANCER)	5	Development of novel CAR T cells targeting gamma delta T cell receptors	LC Cutmore, N Lam, C Amatya, K Weissler, DA Natrakul, JN Kochenderfer	NCI
Cancer Biology (CANCER)	6	Defining Neuroblastoma Cell Heterogeneity and Plasticity through in vivo Single-Cell RNA Sequencing	S Di Giulio, M Sun, Z Liu, Y Wu, R Nguyen, J Shern, CJ Thiele	NCI
Cancer Biology (CANCER)	7	Evaluation of Labeled Anti-B7-H3 Antibodies as Potential Theragnostic Agents for Cancer Immunotherapy	B Fernandes, CP Olkowski, F Basuli, B Ghaemi, PL Choyke, FI Lin, O Jacobson	NCI
Cancer Biology (CANCER)	8	Personalized screening in patient derived organoids for gastroenteropancreatic neuroendocrine tumors	SD Forsythe, S Yellapragda, SG Andrews, J del Rivero, JM Hernandez, N Nilubol, JP Madigan, SM Sadowski	NCI
Cancer Biology (CANCER)	9	Roles of methyltransferases in the development of resistance to thiol-based histone deacetylase inhibitors	OD Gbadegesin, RW Robey, MM Gottesman	NCI
Cancer Biology (CANCER)	10	Clonal T cell expansion drives spontaneous tumor regression in Merkel cell carcinoma	PH Hallaert, M Baker, JM Roman, A Reuben, N Hill, CW Hudgens, MT Tetzlaff, NF Logemann, I Brownell	NIAMS
Cancer Biology (CANCER)	11	Hepatitis virus-associated B cell non-Hodgkin's lymphoma involves dysregulated epigenetic and RNA-mediated regulatory gene expression and altered snoRNA transcription	AN Henning, ND Dashdorj, NJ Dashdorj, V De Giorgi	CC
Cancer Biology (CANCER)	12	Mechanism of G0S2 in tumor dormancy and treatment relapse	C Kieu, A Ahad, C Sellner, Y Gu, S Ratnayake, F Leng, D Meerzaman, JY So, L Yang	NCI
Cancer Biology (CANCER)	13	Glucose Utilization Differs Between RAS-like and BRAF-like Thyroid Cancer	S Kumari, E Chuki, J Klubo-Gwiezdzinska	NIDDK
Cancer Biology (CANCER)	14	Synergism between NRAS and IL7R drives acute lymphoblastic leukemia	W Li, H Winer, G Rodrigues, T Gower, TJ Meyer, J Hixon, SK Durum	NCI
Cancer Biology (CANCER)	15	Phenotypic Mapping of Dexamethasone Response in Breast Cancer Cells using Single-cell Transcriptomics	J Li, B Anchang	NIEHS
Cancer Biology (CANCER)	16	Use of whole genome CRISPR activation screens to identify genes whose overexpression affects sensitivity to drugs	CC Lipsey, E Ooko, H Wade, PJ Batista, RW Robey, MM Gottesman	NCI

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Cancer Biology (CANCER)	17	Pericyte derived lipids alter disseminating tumor cell fate decisions	T McErlain, M Glass, E McCulla, L Ziemer, C Branco, M Murgai	NCI
Cancer Biology (CANCER)	18	Exploiting cancer stem cells' super-sensitivity to microenvironmental quality to block metastatic progression	JA Minin, B Tang, VM Gonzalez, Z Khan, Y Raviv, LM Wakefield	NCI
Cancer Biology (CANCER)	19	Investigating the lineage-specific roles of the Forkhead box (FOX) family in cancer	AV Mitchell, MM Gottesman	NCI
Cancer Biology (CANCER)	20	Spatial localization of cancer stem cell phenotypes, CD8+ cytotoxic T cells and hypoxia in 4T1 tumors: a mouse model of triple-negative breast cancer	RL Moffat, AL Gonzalez, LL Coutinho, L Ridnour, SJ Lockett, DA Wink	NCI
Cancer Biology (CANCER)	21	Investigating the Role of Smurf2 in the Regulation of Cohesin Protein Complex	MR Molla, CH Stuelten, T Xiao, Y Tang, JH Shin, KC Birendra, YE Zhang	NCI
Cancer Biology (CANCER)	22	Genome-Wide CRISPR Screening Identifies SLC47A1 (MATE1) As a Gene that Confers Resistance to Prexasertib, a CHK1 Inhibitor, in Ovarian Cancer Cells	P MONDAL, D CHEN, A V MITCHELL, L JENKINS, M.M GOTTESMAN	NCI
Cancer Biology (CANCER)	23	Targeting IDH1-Mutated Oligodendroglioma with Acid Ceramidase Inhibitors	H Muley Vilamu, T Dowdy, F Zaibaq, H Song, M Zhang, W Zhang, Z Wong, M Larion	NCI
Cancer Biology (CANCER)	25	Investigating the molecular basis of oxaliplatin resistance in colorectal cancer (CRC) via genome-scale CRISPR screens	NR Pawar, HM Wade, RW Robey, MM Gottesman	NCI
Cancer Biology (CANCER)	26	XMEN disease increases cutaneous MCPyV viral burden and elevates the risk of early onset Merkel cell carcinoma	Y Saito, N Mohsin, J Strong, AJ Jabbour, P Nghiem, CB Buck, DV Pastrana, J Bergerson, S Conlan, AF Freeman, JA Segre, HH Kong, I Brownell	NIAMS
Cancer Biology (CANCER)	27	miR-1293 as a Potential Therapeutic Agent in Diffuse Pleural Mesothelioma: Targeting DNA Repair Pathways.	V Singh, A Singh, N Pruett, SH Yoon, S Sahu, CD Hoang	NCI
Cancer Biology (CANCER)	28	Study of the mechanisms of resistance to the Antibody-drug conjugate Enfortumab Vedotin in urothelial carcinoma	IT Stukes, M-J Lee, A Youseffi-Rad, AB Apolo, S Boudjadi	NCI
Cancer Biology (CANCER)	30	Periostin in Malignant Peripheral Nerve Sheath Tumors (MPNST): Insights into Its Functions and Therapeutic Potential	V Verdi, C Cero, BR Wei, HR Shive	NCI
Cancer Biology (CANCER)	31	Identifying cancer stem cells in an in vitro engineered model of cell-generated hypoxic gradients using adaptive thresholding of fluorescent reporters	G Vitale, B Tang, J Minin, S Lockett, L Wakefield, W Heinz	NCI
Cancer Biology (CANCER)	32	In Vitro Modeling of the Resistance to the Antibody-drug Conjugate Sacituzumab Govitecan in Urothelial Carcinoma	S Weng, I Stukes, M Lee, A Youseffi-Rad, S Boudjadi, AB Apolo	NCI
Cancer Biology (CANCER)	33	The Influence of Cancer Associated Fibroblasts on the Growth of Pancreatic Neuroendocrine Tumors	SV Yellapragada, SD Forsythe, JP Madigan, SG Andrews, SM Sadowski	NCI
Cancer Biology (CANCER)	34	Functional characterization of mutant ALK5 (TGFBRI) in endometrial cancer	E YU, DW BELL	NHGRI
Chemical Biology (CHEMBIO)	1	Optimization of Ghrelin receptor bias modulators for the treatment of addictive disorders	K Afratis, D Kim, JD Gross, L Barak, X Hu, N Southall, M Ferrer, J Marugan	NCATS

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Chemical Biology (CHEMBIO)	2	Identification of environmental compounds that modulate the human kisspeptin receptor	X Chen, S Yang, L Zhang, J Travers, R Huang, V Jovanovic, C Tristan, R Sukhawanit, C Klumpp-Thomas, KL Witt, A Simeonov, ND Shaw, M Xia	NCATS
Chemical Biology (CHEMBIO)	3	Isolation and Spectroscopic Analysis of Bioactive Natural Products from Soil Bacteria	JP Haro, G Zhao, CA Bewley	NIDDK
Chemical Biology (CHEMBIO)	4	Discovery of IRAK1/4/pan-FLT3 kinase inhibitors as treatments for acute myeloid leukemia	SB Hoyt, CJ Finocchio, E Croll, GJ Tawa, H Li, L Ma, K Li, L Liu, R Li, X Zhang, K Wilson, X Xu, P Shah, J Williams, LC Bolanos, G Gracia-Maldonado, A Kolt, C Robinson, J Free, E Edmondson, S	NCATS
Chemical Biology (CHEMBIO)	5	A chemical derivation MRM method for high-throughput MS-based screening to identify small-molecule modulators of deoxyhypusine synthase	CA LeClair, D Tao, Y Fang, KCC Cheng, W Zhao, R Tharakan, SM Yang, MH Park, MD Hall	NCATS
Chemical Biology (CHEMBIO)	6	α -Ammonium Carbamates Undergo Efficient Two-Step Linker Cleavage and Improve the Properties of Antibody Conjugates	X Li, N Patel, J Kalen, MJ Schnermann	NCI
Chemical Biology (CHEMBIO)	7	Design and synthesis of activity-based probes for granzyme A	SM Malespini III, M Kazim, E Yoo	NCI
Chemical Biology (CHEMBIO)	8	Assay Development for the identification of ALPK1 inhibitors	NJ Martinez, A Zakharov, G Rai, SI Son, D Esposito, JP Denson, C Kozycki, D Kastner, A Simeonov	NCATS
Chemical Biology (CHEMBIO)	9	Dissecting substrate interactions of zDHHC enzymes by in vitro biochemical reconstitution	T Mondal, A Banerjee	NICHHD
Chemical Biology (CHEMBIO)	10	RNA as a target: A new perspective for FDA-approved drug repurposing	SA Owens, M Yang, S Balaratnam, JA Spivey, AG Solomon, BJ Moore, JS Schneckloth Jr.	NCI
Chemical Biology (CHEMBIO)	11	Machine Learning-Driven Discovery of SARS-CoV-2 Nsp14-MTase Inhibitors	S Pal, Q Hanson, NJ Martinez, AV Zakharov	NCATS
Chemical Biology (CHEMBIO)	13	Dual targeting of GPCR assemblies using Nanobody-ligand conjugates	S Roy, S Sachdev, RW Cheloha	NIDDK
Chemical Biology (CHEMBIO)	14	Discovery and development of TRND482477/KER-047 for treating ALK2 dysfunction disorders: FOP and anemia resulting from Iron imbalance	K. Shamim, X. Hu, W. Zheng, P. Sanderson, A. Wang, X. Xu, W. Huang, J. Lachey, J. Seehra	NCATS
Chemical Biology (CHEMBIO)	15	Developing Selective Drug Like Inhibitors of Glycine and Histamine N-Methyl Transferases	S Sharma, S Karavadhi, VK Chenniappan, D Moya, JH Shrimp, L Crawford, QM Hanson, N Hoxie, H Sun, M Shen, MD Hall, S Patnaik	NCATS
Chemical Biology (CHEMBIO)	16	Development of pH Activatable SWIR Imaging Probes for Ratiometric pH Imaging and In Vivo Analysis of Antibody-Drug Conjugate Linkers	P Shrestha, MJ Schnermann	NCI
Chemical Biology (CHEMBIO)	17	Paralogue-specific degradation of the histone acetyltransferase EP300	JH Williams, M Crawford, D Tripu, Y Xiong, X Chen, A Shaik, S Barrit, Y Jing, D Gallimore, S Kales, N Bhanu, Y Fang, K Butler, C LeClair, N Coussens, A Simeonov, B Garcia, R Swenson, C Dibble, JJ Meier	NCI
Developmental Biology (DEVBIO)	1	Scalable Hypothalamic Arcuate Neuron Differentiation from Human Pluripotent Stem Cells Suitable for Modeling Metabolic and Reproductive Disorders	VM Jovanovic, N Narisu, LL Bonnycastle, R Tharakan, KT Mesch, HJ Glover, T Yan, N Sinha, C Sen, D Castellano, S Yang, D Blivis, S Ryu, DF Bennett, G Rosales-Soto, J Inman, P Ormanoglu, C LeClair, M Xia, M	NCATS
Developmental Biology (DEVBIO)	2	Sympathetic neurons regulate cardiomyocyte maturation	WJ Kowalski, IH Garcia-Pak, W Li, H Uosaki, E Tampakakis, J Zou, Y Lin, K Patterson, C Kwon, Y-S Mukouyama	NHLBI

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Developmental Biology (DEVBIO)	3	Fetal breathing deficiency and lung hypoplasia in osteogenesis imperfecta	E Makareeva, B Radant, M Sousa, M Sellamani, E Mertz, S Otsuru, S Leikin	NICHD
Developmental Biology (DEVBIO)	4	Deciphering the Formation and Fate of Hybrid Cells in Zebrafish Axial Mesoderm: Insights from <i>klf17</i> Mutant Studies	G Park, A Modak, C Chen, P Capar, J Farrell	NICHD
Developmental Biology (DEVBIO)	6	Development and validation of enzyme-based CYP26A1 inhibition assay in a high-throughput screening platform	S Sakamuru, D Ma, JD Pierro, NC Baker, N Kleinstreuer, JJ Cali, TB Knudsen, M Xia	NCATS
Immunology (IMMUNO)	1	Atypical B cell expansion and immune dysregulation are promoted by an inflammatory milieu in STAT1GOF and STAT3DN patients	Z An, M Bosticardo, J Mackie, G Magro, HA Kenney, SG Tanye, DB Kuhns, L Pettiford, MD Keller, JR Bergerson, SM Holland, AF Freeman, LD Notarangelo, OM Delmonte	NIAID
Immunology (IMMUNO)	2	The transcription factor RUNX2 regulates a critical step in the extravasation of human, pathogenic type 17 CD4+ T cells	A. Bhasym, SP. Singh, N. Singh, F. Parween, PJ. Gardina, FO. Carrasquero, TE. Markowitz, JM. Farber	NIAID
Immunology (IMMUNO)	3	Investigating Bacterial Extracellular Vesicle Involvement in Molecular Mimicry	F S Borris, A R Varma, K Sadtler, P Fathi	NIBIB
Immunology (IMMUNO)	4	Development of a Peptide Hydrogel for a Slow-Release HIV-1 Vaccination System	AS Carson, C Cheng, C Jenkins, Y Tsybovsky, A Biju, TC Pierson	NIAID
Immunology (IMMUNO)	5	Modulating Hyaluronic Acid in Osteosarcoma using Genetically Engineered Mesenchymal Stromal Cells (GEMesys): effects on Macrophage metabolism and phenotype	GE Forbes, AT Browne, RN Kaplan	NCI
Immunology (IMMUNO)	6	Development of novel agonists for human iNKT cells	A Hara, J DiSapio, M Coombs, G Khayrullina, V Joshi, M Watowich, M Watanabe, K Smith, MM Alam, H Kim, N Malik, E Steffke, L Latifi, J Hancock, J Gummerz, M Gilbert, A Howell, M Terabe	NCI
Immunology (IMMUNO)	7	Efficient Lentiviral Transduction of Genetically Barcoded AntiCD20-CAR-IL15 Cassette into Peripheral Blood-Derived Rhesus Macaque NK Cells Using Poloxamer 407 and CAR-NK In Vitro and In Vivo Effects	TB Hayal, C Wu, AA Mulla, DSJ Allan, BB Duncan, SG Hong, R Basar, K Rezvani, CE Dunbar	NHLBI
Immunology (IMMUNO)	8	Minimizing Tumor Antigen Escape by Triple CAR T Cells Simultaneously Targeting CD19 CD20 & CD22	K Highfill, L Chen, M Igboko, E Cherkasova, RM Nadal Rios, D Allan, K Carney, M Chakraborty, R Reger, W Murphy, R Childs	NHLBI
Immunology (IMMUNO)	9	Microanalytical Immunochemistry- How we can help!	Z Saleem, L Scarpelli, H Kalish	NIBIB
Immunology (IMMUNO)	10	Interrogating the MHC and Cytokine Requirements for CD4+CD8aa+ Intestinal Intraepithelial T cells	DJ Lanasa, C Li, JH Park	NCI
Immunology (IMMUNO)	11	A comprehensive toolkit to identify blood donors and recipients with a history of alpha-Gal allergy or suspected sensitization during pre-transfusion assessments	Z Osterwind, MJ Miller, V De Giorgi	CC
Immunology (IMMUNO)	12	Targeting IL7R with a monoclonal antibody for treating pediatric malignancy	GOL Rodrigues, JH Hixon, W Li, T Gower, U Saini, A Varadhachary, S Durum	NCI
Immunology (IMMUNO)	13	B cell receptor repertoire analysis in HCV chronically infected patients and Primary Sjogren's Syndrome	J Pardoe, A Henning, B Warner, V De Giorgi	CC
Immunology (IMMUNO)	14	Sexual dimorphism of the dysregulated lung immunometabolism and immunity induced by chronic alcohol consumption	L Pommerolle, M Arif, M Behee, C Appolonia, A Basu, KM Wolf, CN Zawatsky, N Johnson, O Rivellini, JK Park, R Cinar	NIAAA

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Immunology (IMMUNO)	15	Qualitative Tissue Analysis Using Matrix-Assisted Laser Desorption/Ionization Time-of-Flight (MALDI-TOF)	Z Saleem, L Scarpelli, S Burks, J Frank, D Agrohia, H Kalish	NIBIB
Immunology (IMMUNO)	16	Pathway enrichment analysis identifies the FOXO pathway as essential for T cell licensing	G SHI, V NAGARAJAN, R CASPI	NEI
Immunology (IMMUNO)	17	Exploring amyloid beta-induced NF-κB dynamics in aging and Alzheimer's Disease in vitro	P Songkiatisak, M Aqdas, SMT Rahman, K Oh, MH Sung	NIA
Immunology (IMMUNO)	18	Impact of pre-existing immunity on clonal evolution and diversification of memory B cells in response to H2 influenza vaccination	AB Spangler, R Malek, GD Shimberg, GE Mantus, LY Cominsky, JE Raab, SR Gajjala, KV Houser, SF Andrews	NIAID
Immunology (IMMUNO)	19	Evolution of SARS-CoV-2-specific T cell responses from acute COVID-19 infection through convalescence	JD Webber, PA Przygonska, CR Sclafani, PF Pryal, BG Leach, CS Abdeen, RA Davey, J Voell, M Sneller, I Sereti, AF Suffredini, M Connors, SA Migueles	NIAID
Immunology (IMMUNO)	20	Exploring cGAS-STING Pathway in Sjögren's Disease: Driver of IFN production and Potential Therapeutic Target	E Yamada, M Abed, P Perez, S Jang, T Pranzatelli, J Chiorini, B Warner	NIDCR
Immunology (IMMUNO)	21	Identification of immunological and genetic markers of susceptibility to intracellular bacterial infection using the Collaborative Cross (CC) mouse model	LM Zhou, C Zhu, JS Bolton, WW Leitner, SP Riley, ES Bergmann-Leitner	USUHS
Molecular Pharmacology (PHARM)	1	Toxicity profiling of metal compounds using the Tox21 screening data	PA Adesina, M Ooka, R Huang, S Ferguson, D Reif, A Simeonov, M Xia	NCATS
Molecular Pharmacology (PHARM)	2	Development of a risk register for Adeno-Associated Virus (AAV) based gene therapies	L Bar, RM Lomash, N Terry, J Todd, R Stan	NCATS
Molecular Pharmacology (PHARM)	3	Inhalational delivery of MRI-1867 (zevaquenabant) as an effective multi-targeted therapeutic modality in pulmonary fibrosis	A Basu, M Arif, K M Wolf, M Behee, N Johnson, L Pommerolle, R Pineda, C N Zawatsky, S Dvoráček, N J Coffey, J K Park, G Godlewski, T Jourdan, J Harvey-White, M Königshoff, M R Iyer, R Cinar	NIAAA
Molecular Pharmacology (PHARM)	4	Screening towards a CYP3A7-specific marker reaction against CYP3A4 and CYP3A5	EC Padilha, P Shah, X Xu	NCATS
Molecular Pharmacology (PHARM)	5	Allosteric modulation of glucocerebrosidase for the purpose of Parkinson's disease modification involves two distinct classes of small molecules: non-inhibitory pharmacological chaperones and enzymatic activators	TC Chen, LM Glasstetter, D Williams, TT Jong, AN Hogan, JJ Marugan, MJ Henderson, Y Chen, E Sidransky	NHGRI
Molecular Pharmacology (PHARM)	6	Characterization of a Novel Binding Site for a Positive Allosteric Modulator of the D1 Dopamine Receptor	ST Dimova, JN Hanson, AN Nilson, F Wang, J Rayadurgam, A Goldberg, KD Luderman, L Shi, KJ Frankowski, DR Sibley	NINDS
Molecular Pharmacology (PHARM)	7	Acute electronic cigarette vaping induces pulmonary inflammation, emphysema phenotype and cardio-pulmonary dysfunctions in a sex dependent manner	Y Getiye, P Pacher	NIAAA
Molecular Pharmacology (PHARM)	8	Advancing Antisense Oligonucleotide Therapies for Rare Diseases	- Atena Farkhondeh Kalat, - William Borschell, - Elia R. Lopez, - Jyoti Roy, - Edward Wu, - Elizabeth A. Ottinger, - Bryan J Traynor	NCATS
Molecular Pharmacology (PHARM)	9	Using high-throughput small molecule matrix screening to unlock novel therapeutic synergies in Merkel cell carcinoma	K A Garman, D Anastasakis, T Gelb, M Shen, K C Cheng, M D Hall, M Hafner, I Brownell	NIAMS
Molecular Pharmacology (PHARM)	10	Precise Detection of Multiple Myeloma Using 18F-Labeled Anti- B-cell Maturation Antigen Nanobody	B Ghaemi, CP Olkowski, F Basuli, J Shi, E Hill, O Jacobson, PL Choyke	NCI

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Molecular Pharmacology (PHARM)	11	Analysis of adenylosuccinate in biological matrices using hydrophilic interaction ultra-performance liquid chromatography-tandem mass spectrometry	MM Hall, AQ Wang, X Xu	NCATS
Molecular Pharmacology (PHARM)	12	Increased Metabolic Stability and Reduced MOR Efficacy of a Potent C9-Substituted Phenylmorphans	DE Hernandez, A Sulima, D Luo, TE Prisinzano, SS Negus, N Nassechi, DE Selley, P Shah, R Kato, X Xu, AE Jacobson, KC Rice	NIDA
Molecular Pharmacology (PHARM)	13	High-Resolution Acoustic Ejection Mass Spectrometry for High-Throughput Library Screening	N Hoxie, DR Calabrese, Z Itkin, G Gomba, M Shen, M Verma, JS Janiszewski, JH Shrimp, KM Wilson, S Michael, MD Hall, L Burton, TR Covey, C Liu	NCATS
Molecular Pharmacology (PHARM)	14	Drug Repurposing Screening for Two Ultra-Rare Maternally Inherited Mitochondrial Diseases—MELAS and LHON-Plus	D Li, M Uittenbogaard, A Chiaramello, C Chen, W Zheng	NCATS
Molecular Pharmacology (PHARM)	15	Neuroprotection in C. Elegans Parkinson's Disease Models: Discovering Therapeutic Insights via RNAi and Small Molecule High Throughput Screening	MA Martinez, AA Surtel, EO Akano, PK Dranchak, CT Ash, EE Anderson, AE Moritz, RB Free, JP Steiner, J Inglese, DR Sibley	NINDS
Molecular Pharmacology (PHARM)	16	AI-driven drug repurposing for glioblastoma therapy: experimental validation of promising candidates	KD McDaniel, ZA Shyr, S Sun, D Tao, Q Zhu, CZ Chen, W Zheng	NCATS
Molecular Pharmacology (PHARM)	17	Discovery of Inhibitors of the Kinases LATS1 and LATS2	PJ Morris, DD DuvEAU, M Ceribelli, FA Tosto, L Evsen, DN Love, BS Scherer, G Rai, SB Hoyt, CJ Thomas	NCATS
Molecular Pharmacology (PHARM)	18	Thiol-based Conjugation for the Generation of ADA Bridging Assay Reagents to Detect Antibodies to PTH1A in Human Plasma	AJ Nduwumwami, E Wagner, AQ Wang, Y Fang, D Tao, X Xu	NCATS
Molecular Pharmacology (PHARM)	19	Fatty acid amide hydrolase inhibition impairing development of chronic renal fibrosis is CB2R dependent	B Paes-Leme, E Trojanar, C Matyas, B Yokus, P Mukhopadhyay, M Arif, J Palocz, R Cinar, K Susztak, S Zhao, P Pacher	NIAAA
Molecular Pharmacology (PHARM)	20	Melanocortin 4 Receptor-Mediated Metabolic Effects Require Beta-Arrestin-2 Signaling	M Rashid, L Wang, O Gavrilova, Z Cui, J Wess	NIDDK
Molecular Pharmacology (PHARM)	21	Building Robust Human Liver Microsomal Stability Prediction Models: Leveraging Inter-Species Correlation with Rat Data	P Shah, V.B Siramshetty, X Xu	NCATS
Molecular Pharmacology (PHARM)	22	High-throughput screening to identify novel STAT-5 pathway activators for potential HIV latency reversal therapeutics.	E Vanlal, M Xu, CZ Chen, A Bosque	NCATS
Molecular Pharmacology (PHARM)	23	Ultra-Performance Liquid Chromatography-Tandem Mass Spectrometry Method Development and Pharmacokinetics of 10 β ,17 β -Dihydroxyestra-1,4-dien-3-one (DHED) in Mice	A.Q Wang, C. Ryu, M. Hall, E. Padilha, P. Morris, A.F Postle, C.F Powels, T.D Gould, X. Xu	NCATS
Molecular Pharmacology (PHARM)	24	A biosynthetic and taxonomic atlas of the global lichen holobiont	SC Waterworth, S Egbert, J Sorensen, BR O'Keefe, JA Beutler	NCI
Molecular Pharmacology (PHARM)	25	AI based Novel Target Identification Based on Biological Activity Profiles, towards Drug Repurposing	B Xue, Y Xu, R Huang, Q Zhu	NCATS
Molecular Pharmacology (PHARM)	26	Cannabinoid receptor 2 activation is a novel approach to reducing renal inflammation and fibrosis	B Yokus, B Paes Leme Ferreira, P Mukhopadhyay, P Pacher	NIAAA

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Clinical Research (CLINICAL)	23	Advanced lipoprotein analysis demonstrates residual atherosclerotic cardiovascular disease risk after remission of nephrotic syndrome	M Hwang, RJ Brown, L Howard, M Waldman	NIDDK
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