

2024 NIH Research Festival Posters
Monday, September 23, 2024 || Building 10, FAES Terrace, NIH Bethesda
Poster Session III: 1:00 p.m.– 2:30 p.m.

PosterCat	#	Title	Authors	Lead IC
Clinical Research (CLINICAL)	1	Preliminary Results for the NIH Protocol of the Mediterranean-like Unprocessed (CLEAN-MED) Diet Intervention Study of the Gut Microbiome of Healthy Adults	E Abiona, A Brichacek, M Florkowski, S Yang, S Turner, C Awuah, S Burrison, JJ Barb, L Yang, N Farmer, G Wallen, J Dekker, K Frank	CC
Clinical Research (CLINICAL)	2	Harmonizing categorical and dimensional measures of manic episodes in bipolar disorder	IC Akwue, LN Lacbawan, GW Hawariat, EK Besançon, A Freifeld, L Kassem, FJ McMahon	NIMH
Clinical Research (CLINICAL)	3	Effects of RANKL inhibition on osteotomy healing in a murine model of fibrous dysplasia	A Arif, KS Pan, LF de Castro, V Kram, AM Boyce	NIDCR
Clinical Research (CLINICAL)	4	Meeting in the middle... ear! Characterizing multifrequency tympanometry measures in ears with and without endolymphatic hydrops	SM Avenilla, J Chisholm, J Telischi, T Wafa, J Butman, N Allemang, C Brewer, J Christensen, C Zalewski, AS Le, A Tran, M Hoa, GL Poling	NIDCD
Clinical Research (CLINICAL)	5	New Horizons within the CLIA Molecular Diagnostics Laboratory	RN Baugher, SD Mellott, HE Lawhorn, TB Young, KM Pike, TM Plona, BR Xu, DR Soppet, SK Narayanasamy, WE Bocik, SM Hewitt	NCI
Clinical Research (CLINICAL)	6	Comparison of the immune effects of different HDAC inhibitors	C Celades, J Schlom, RN Donahue	NCI
Clinical Research (CLINICAL)	7	The Diagnostic Assessment of the Spectrum of Health (DASH): Properties, advantages and clinical utility in the context of structured diagnostic interviews for adults and youth mental health	R Choudhari, E Ballard, F Belouad, K Conway, J Franco, K Georgiades, G Salum, P Sztamari, K Merikangas	NIMH
Clinical Research (CLINICAL)	8	The relationship between cognitive and adaptive functioning in Williams Syndrome	AE Chun, C Farmer, B Kozel, A Thurm	NIMH
Clinical Research (CLINICAL)	9	Feasibility of Gait Event Detection from Thigh Segment Kinematics in Children with Cerebral Palsy	JE Dembsky, NM Rubin, TC Bulea	CC
Clinical Research (CLINICAL)	10	Linking contextual information to common data elements for FAIR myositis research	MA Diller, LG Rider, RH Scheuermann	NLM
Clinical Research (CLINICAL)	11	Integrating Decentralized Trial Design Methods to Explore Clinical Trial Landscape in Rare Genetic Diseases: A Scoping Review	LM Edgar, L Koehly	NHGRI
Clinical Research (CLINICAL)	12	Fibrous dysplasia progression in patients with craniofacial involvement of the frontal and zygomatic bones	JE Freeman, II Elbashir, KS Pan, AM Boyce	NIDCR
Clinical Research (CLINICAL)	13	Effects of Metformin and Liraglutide on Gut Microbiota Composition in Youth-onset Type 2 Diabetes: The MIGHTY Study	SB Glaros, SL Cantor, NA Macheret, IN Kacker, L Mabundo, N Malandrino, ST Chung	NIDDK
Clinical Research (CLINICAL)	14	Effects of cancer treatments on sleep patterns in men with non-metastatic prostate cancer	SG Gonsalves, SR LaMunion, KA Clevenger, T Wu, K Dickinson, A Ross, ME Steele, LN Saligan	NINR
Clinical Research (CLINICAL)	15	Transcriptomic and Cytokine Profiles Associated with General Pain Symptoms in Head and Neck Cancer Patients with Oral Mucositis Receiving Dental Prophylaxis and Oral Mucosal Deterging Intervention	T Goto, P Corby, A Lin, J Lukens, S Sonis, LN Saligan	NINR
Clinical Research (CLINICAL)	16	Investigating the Immune Landscape and Clinical Features of Spinal Adhesive Arachnoiditis	SA Graff, HV Nalluri, D Maric, DB McGavern, M Quezado, JD Heiss	NINDS

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Clinical Research (CLINICAL)	17	Vitamin E sequestration in MASLD and effect of supplementation in mitigating progression to MASH	TD Greene, S Teng, I Rozga, R Berman, N Munyan, I Ebeunuwa, M Levine, PC Violet	NIDDK
Clinical Research (CLINICAL)	19	Drug development illustrated: infusing equity in preclinical research	SJ Haugabook, PS Huston, SH Kinling, JM Cohen, M Rahman, EK Taylor, M Washabaugh, CL Purdy, L Toney, T Rogers, J Cheung, E Ottinger	NCATS
Clinical Research (CLINICAL)	20	Safety, tolerability, and immunogenicity of a group 2 influenza hemagglutinin stem nanoparticle vaccine in healthy adults: a phase 1, dose-escalation trial	J Casazza, P Costner, L Holman, M BurgosFlorez, A OrtegaVilla, M Castro, J Trost, H Vandervan, I Gordon, R Gillespie, L Serebryanny, K Houser, R Koup, B Graham, T Pierson, S Andrews, M Kanekiyo, L Dropulic	NIAID
Clinical Research (CLINICAL)	21	Serum protein biomarkers linked to neurodegenerative processes are elevated in glioma patients and associated with severity of neurologic symptoms	E Hsieh, T Mendoza, D Raval, MC Kauss, K Slattery, M Wright, T Davis, A Choi, K Reinhart, H Miller, E Vera, TS Armstrong, VA Guedes	NCI
Clinical Research (CLINICAL)	22	The role of circadian rhythm dysregulation in individuals with alcohol use disorder (AUD) before and after relapse following inpatient treatment	AN Hughes, GR Wallen, KA Maki, A Ahmed, RTS Tuason, JJ Barb	CC

Clinical Research (CLINICAL)	24	The association of late-life depression with brain amyloid deposition: the ARIC-PET study	S Kanetkar, VN Morrill, MT Egle, KA Walker, DF Wong, RF Gottesman	NINDS
Clinical Research (CLINICAL)	25	Towards identifying genetic determinants of radioresistant prostate cancer	S Kartal, SY Trostel, RT Lis, AG Sowalsky, DE Citrin	NCI
Clinical Research (CLINICAL)	26	Single-nucleus and spatial transcriptomics of human pediatric ovary: Molecular insights into the dysregulated signaling pathways underlying premature ovarian insufficiency in classic galactosemia	R Kavarthapu, H Lou, T Badger, R Balasubramanian, V Huyhn, M De La Luz Sierra, JC Yano, V Gomez-Lobo	NICHHD
Clinical Research (CLINICAL)	27	Biobehavioral investigations of cooking (BioCook): A novel approach to understanding the neural and psychosocial dynamics of cooking	S Lawler, N.M Farmer, R Hingst, G Wallen	CC
Clinical Research (CLINICAL)	28	Characterization and application of a novel auditory brainstem response grading scale	AS Le, C Zalewski, A Mahurkar, V Kamath, T Oh, C Brewer, N Allemang, J Chisholm, J Christensen, T Wafa, A Tran, S Avenilla, R Hertzano, GL Poling	NIDCD
Clinical Research (CLINICAL)	29	Clinical outcomes following gene therapy in GM1 gangliosidosis correlate with structural and diffusion magnetic resonance imaging derived markers.	CJ Lewis, Z Vardar, AL Kühn, JM Johnston, P D'Souza, WA Gahl, MS Shazeeb, CJ Tift, MT Acosta	NHGRI
Clinical Research (CLINICAL)	30	Lung transplant rejection: post-treatment cell-free DNA levels predict allograft failure	AY Lin, MB Keller, MK Jang, H Kong, W Park, X Tian, S Agbor-Enoh	NHLBI
Clinical Research (CLINICAL)	31	AAV gene therapy development: Early planning and regulatory considerations for advancing the NIH Platform Vector-Gene Therapy (PaVe-GT) Program	RM Lomash, J Dehdashti, OA Shchelochkov, RJ Chandler, L Li, I Manoli, J Sloan, P Terse, X Xu, R Stan, D Saade, PJ Brooks, DC Lo, CG Bonnemant, CP Venditti, AR Pariser, EA Ottinger	NCATS
Clinical Research (CLINICAL)	32	Clinical Practice Guideline Generation from Quality of Life Studies in Rare Diseases	S Moon, P Gahan, Q Zhu	NCATS
Clinical Research (CLINICAL)	33	Vitamin A and MITF regulation in disease progression of patients with Lymphangioliomyomatosis (LAM)	G Pacheco-Rodriguez, WK Steagall, JC Valencia, M Stylianou, M Uhart, J Moss	NHLBI
Clinical Research (CLINICAL)	34	Long-term atrophy expansion rates in a prospective, longitudinal study of ABCA4 retinopathy using ultra-widefield fundus autofluorescence	AS Pathapadu, MP Boyle, LA Huryn, CA Cukras, WM Zein, BP Brooks	NEI

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Clinical Research (CLINICAL)	35	Lipid levels increase to the normal range after nonmyeloablative hematopoietic cell transplantation for sickle cell disease	JE Queen, E Limerick, N Jeffries, M Hsieh, CD Fitzhugh	NHLBI
Clinical Research (CLINICAL)	36	Coordinate protein regulation in adult and juvenile dermatomyositis reveals neutrophil and mononuclear leukocyte pathways, activation of upstream regulators, and candidate biomarkers	AC Sparling, JM Ward, K Sarkar, A Schiffenbauer, P Noroozi Farhadi, MA Smith, S Rahman, K Zerrouki, FW Miller, JL Li, KA Casey, LG Rider	NIEHS
Clinical Research (CLINICAL)	37	Exploring Self-Efficacy and Cognitive Control Across Anxiety Symptoms: Insights from an Anti-Saccade Task	A E Ross, A D Poe, K M Lewis, M E Byrne, E M Cardinale, S P Haller, P Khosravi, D S Pine	NIMH
Clinical Research (CLINICAL)	38	Human iPSC Derived 2D & 3D Neuronal Models for Antisense Oligo Nucleotide Associated Acute Neurotoxicity Screening	- Jyoti Roy, - William Borschel, - Elia R. Lopez, - Atena Farkhondeh Kalat, - Edward Wu, - Caroline Strong, - Emily Lee, - Marc Ferrer, - Elizabeth A. Ottinger, - Bryan J. Traynor	NCATS
Clinical Research (CLINICAL)	39	Pregestational Obesity Leads to Alteration in Inflammatory and Glycemic Markers During Pregnancy in the ETCHED Cohort	S Roy Choudhury, S Hamad, L Vazquez, R Caballero, H Looker, M Sinha	NIDDK
Clinical Research (CLINICAL)	40	Intravenous Sodium Thiosulfate Demonstrates Efficacy for Calcinosis Associated with Adult and Juvenile Idiopathic Inflammatory Myopathy	A Schiffenbauer, J Agafonova, A Derkyi, K Sarkar, J Wilkerson, A Ehrlich, G Joe, J Shrader, M Jain, L G Rider	NIEHS
Clinical Research (CLINICAL)	41	Distinct roles of SEC24D in procollagen quality control and trafficking	M Sellamani, E Makareeva, S Omari, L Sergey	NICHD
Clinical Research (CLINICAL)	42	The association between recency of suicide attempt and reattempt in adult emergency department patients	T Shi, R Merai, C Farmer, A Wei, E Boudreaux, M Pao, J Bridge, LM Horowitz	NIMH
Clinical Research (CLINICAL)	43	Pathophysiology and Clinical Manifestations of Topical Steroid Withdrawal Syndrome	N Shobnam, G Ratley, S Saksena, A Sun, K Mccann, M Yadav, S Ganesan, PP Chaudhary, K Kanakabandi, S Ricklefs, J Lack, M Gadkari, L Franco, I Myles	NIAID
Clinical Research (CLINICAL)	44	Development of a PTH Receptor Inverse Agonist (PTH-IA) as a new investigational drug for treatment of patients with Jansen Metaphyseal Chondrodysplasia (JMC)	R Stan, RM Lomash, A Khatri, T Gardella, H Jueppner, S Jha, MT Collins, EA Ottinger	NCATS
Clinical Research (CLINICAL)	45	Vitamin C dysregulation in HIV: Cross-sectional study of renal leak in women with HIV	s Teng, T Greene, I Rozga, R Berman, PC Violet, K Wilkins, M Levine, I Ebinuwa	NIDDK
Clinical Research (CLINICAL)	46	The Impact of Intravenous Ketamine Treatment on Sleep and Suicidal Thoughts	AN Tillman, D Greenstein, N Hejazi, L Waldman, C Zarate, E Ballard	NIMH
Clinical Research (CLINICAL)	47	i3D-RARE: A Precision Medicine Platform of iPSC-derived 3D Cellular Models to Accelerate Therapeutic Development for Rare Diseases	DW Zong, C Chen, RM Lomash, E Mathé, SG Michaels, A Simeonov, MJ Song, C Tristan, W Zheng, M Ferrer, EA Ottinger	NCATS
Clinical Research (CLINICAL)	48	Peripheral immune analyses correlate with clinical outcome: A phase II trial of nivolumab, capecitabine, or the combination in patients with triple negative breast cancer	NJ Toney, F Lynce, C Mainor, C Isaacs, J Schlom, RN Donahue	NCI
Neuroscience (NEURO)	1	Electrophysiological properties of the hippocampal and medial-entorhinal circuit during spatial learning	SO Vasu, JH Shin, Y Ma, Y Gu, VA Alvarez	NIMH
Neuroscience (NEURO)	2	Axonopathy Underlying Neurodegeneration In The Central Nervous System Under the Impact of Iron Dyshomeostasis	K Arvind, TA Rouault	NICHD
Neuroscience (NEURO)	3	Non-teratogenic pomalidomide analog, 3-monothiopomalidomide inhibits nitrite and proinflammatory cytokines in vitro	B Batsaikhan, PH Parekh, SC Hsueh, D Tweedie, BJ Hoffer, N Vargesson, DS Kim, NH Greig	NIA
Neuroscience (NEURO)	4	Characterizing Neurodegeneration-Linked Protein Stathmin-2 In Response to Chemical Injury	V. Bhat, A. Stavsky, C. Le Pichon	NICHD

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Neuroscience (NEURO)	5	Understanding the role of Wnt signaling in neural stem cell trajectories during injury induced regeneration	B M Brooks, W Heavner, J Ngai	NINDS
Neuroscience (NEURO)	6	Parental-Offspring Associations between Migraine Subtypes and Symptoms: Sex and Age Specific Manifestations	E Campbell, T Lateef, L Cui, K Merikangas	NIMH
Neuroscience (NEURO)	7	Presynaptic and postsynaptic molecular complexes linked through transsynaptic assemblies, visualized by electron tomography of rat hippocampal synapses	AA Cole, TS Reese	NINDS
Neuroscience (NEURO)	8	Optimization of Brain Clearing and Expansion Microscopy Protocols to Explore the Topographic Organization of Oligodendrocytes in White Matter	JC Combista, TD Merson	NIMH
Neuroscience (NEURO)	9	Transcriptomic characterization of induced pluripotent stem cell-derived neural cells from patients with Williams Syndrome	CV da Silva Camargo, S Detera-Wadleigh, N Akula, A Schulmann, A Elkahoulou, M Gregory, D Eisenberg, K Berman, F McMahon	NIMH
Neuroscience (NEURO)	10	Active filtering of sequences of neural activity by recurrent circuits of sensory cortex	CD Deveau, Z Zhou, PK LaFosse, Y Deng, S Mirbagheri, N Steinmetz, MH Histed	NIMH
Neuroscience (NEURO)	12	cAMP signaling in GLP1R-expressing Area Postrema cells is necessary for semaglutide-induced neuronal activation	I C Geneve, C Gao, A Lutas	NIDDK
Neuroscience (NEURO)	13	Generating Functioning Pituitary Gland Organoids From Patient-Derived Induced Pluripotent Stem Cells (iPSCs)	ML Ghermy, AC Weislak	NINDS
Neuroscience (NEURO)	14	An ENIGMA voxel-based morphometry (VBM) meta-analysis of structural brain differences in generalized anxiety disorder (GAD)	E Giampetruzzi, A Zugman, K Kircanski, DS Pine	NIMH
Neuroscience (NEURO)	15	Investigating the role of E/I imbalance in auditory and language processing challenges in ASD: a potential pathway for intervention	E Greenstein, M Jaime, S Dammalapati, LM Oberman, SM Francis, J Stout, S Van Der Veen, SH Lisanby	NIMH
Neuroscience (NEURO)	16	Tackling CCK/CB1R expressing GABAergic interneurons in BLA for their role in fear extinction.	O Gunduz-Cinar, N Crow, M Xia, E Van Leer, M Wilson, L Zweifel, N Hajos, A Holmes	NIAAA
Neuroscience (NEURO)	17	Neuroimaging abnormalities among 10 individuals with Phelan-McDermid Syndrome	A Hehn, O Remsberg, E Gordon-Lipkin, C Farmer, A Thurm	NIMH
Neuroscience (NEURO)	18	Recurrent networks of the cerebral cortex: Circuits, neural computations, and sequence processing using two-photon optogenetics	MH Histed, B Akitake, Y Deng, C Deveau, N Friedman, P LaFosse, J O'Rawe, C Phillips, V Scott, R Yovanno, Z Zhou	NIMH
Neuroscience (NEURO)	19	Cell-type-specific transcriptional signatures of cocaine relapse in the rat medial prefrontal cortex	KE Savell, R Madangopal, DJ Thompson, OR Drake, DQ Pham, KD Woods, P Saravanan, MB Brenner, RG Palaganas, BT Hope	NIDA
Neuroscience (NEURO)	20	Toward the development of novel small-molecule GIRK channel modulators	ST Hubbard, SI Son, HH Nguyen, N Martinez, IW Glaaser, A Schlessinger, A Simeonov, A Zakharov, PA Slesinger, G Rai	NCATS
Neuroscience (NEURO)	21	Cocaine and amphetamine-regulated transcript (CART) is expressed in spino-thalamic projection neurons	MJ Iadarola, AK Sharma, G Serrano-Berrios, MR Sapio, ML Weiss, DM King, D Maric, ES Staedtler, MC Kelly, J Singh, AJ Mannes	CC
Neuroscience (NEURO)	22	Identification of Genetic Regulator of TDP-43 patient mutation mediated Cytosolic Aggregation	B M Jones, Y Chen, K Cheng, W Zheng, C Chen, Q Zhang	NCATS

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Neuroscience (NEURO)	23	An atlas of cholinergic innervation in the superior colliculus of the mouse	C.A Mejias-Aponte, Z.K Joy, R.J Krauzlis	NEI
Neuroscience (NEURO)	24	The role of lateral hypothalamic GABAergic and glutamatergic neurons in thermoregulation and thermal nociception	H Kim, A Garcia, Y Aponte	NIDA
Neuroscience (NEURO)	25	Keratinocyte-nociceptor interactions via NGF-TrkA-PI3K signaling axis promote pain behaviors and sensory hypersensitivity in diabetic small fiber neuropathy	Y Kouji, S Song, Y Mukoyama	NHLBI
Neuroscience (NEURO)	26	Transcriptomic effects of mood stabilizing drugs on the gene regulatory network in cell villages of human iPSC-derived cortical neurons	LN Lacbawan, SD Detera-Wadleigh, N Akula, FJ McMahon	NIMH
Neuroscience (NEURO)	27	Cellular-resolution optogenetics reveals attenuation-by-suppression in visual cortical neurons	PK LaFosse, Z Zhou, HN Mulholland, JF O'Rawe, NG Friedman, VM Scott, Y Deng, MH Histed	NIMH
Neuroscience (NEURO)	28	Deciphering the molecular transcriptome underlying nociceptive sensitization through human intraoperative tissue sampling	E Li, MR Sapio, AF Domenichiello, T Goto, D Maric, A Manalo, TS Williams, DS Schrupp, JL Davis, JM Hernandez, AM Blakeley, MJ Iadarola, AJ Mannes	CC
Neuroscience (NEURO)	29	GPR110 modulates anxiety-like behaviors and memory function in mice potentially through neuronal and neuroimmune alterations during neurodevelopment	M Melkumyan, J Toro, B Huang, HY Kim	NIAAA
Neuroscience (NEURO)	30	Mu- and Delta-Opioid Receptors Differentially Express and Modulate Inhibitory Interneurons in the Prefrontal Cortex	CY Noh, VS Tsai, HE Yarur, KA Zaghoul, EN Ventriglia, H Patel, H Wang, HA Tejada	NIMH
Neuroscience (NEURO)	31	Targeting neuroinflammation: The role of 3-monothioipomalidomide (3-MP) in neurodegenerative disorders	P Parekh, SC Hush, B Batsaikhan, D Tweedie, C Patel, N Vargesson, BJ Hoffer, DS Kim, NH Greig	NIA
Neuroscience (NEURO)	32	Effect of a ketone-based diet and nicotinamide riboside on mitochondrial mechanisms in a DNA repair deficient 3xTg/POLB (-/-) Alzheimer's disease mouse model	RJ Pawlosky, TG Demarest, MT King, D Estrada, VA Bohr, RL Vecch	NIAAA
Neuroscience (NEURO)	34	The impact of somatostatin peptide transmission on cortical circuit activity during learning	N Ross, M Arenivar, H Wang, C Noh, H Patel, HA Tejada	NIMH
Neuroscience (NEURO)	35	Reproducing the facilitatory effects of transcranial random noise stimulation on motion processing	R Ruhde, MB Carroll, G Edwards, CI Baker	NIMH
Neuroscience (NEURO)	36	Efficient removal of naturally occurring autofluorescence from human nervous system tissue using high-intensity white light	MR Sapio, DM King, SR Shah, D Maric, T Talbot, A Ghetti, MJ Iadarola, AJ Mannes	CC
Neuroscience (NEURO)	37	Automation of mouse wipe behavior in animal behavioral studies using machine learning	J Semseddin, G Salem, M Garmendia, S Arumugam, H McNabb, N Mokhasi, J Zhang, T Pohida, WF Simonds	NIDDK
Neuroscience (NEURO)	38	The Targetable Human Nociceptome: 300-Plex Spatial Transcriptomics in Human Dorsal Root Ganglion (DRG) for Analgesic Discovery	SR Shah, MR Sapio, O Blivis, MJ Iadarola, AJ Mannes	CC
Neuroscience (NEURO)	39	Glucocorticoid receptor antagonism reverses opioid and alcohol withdrawal-induced hyperalgesia in rats	N Skandan, VP Acosta, JCM Vendruscolo, MA McGinn, LF Vendruscolo	NIDA
Neuroscience (NEURO)	40	Extrasynaptic GlyR $\alpha 1$ subunits regulate startle response in a cell-type specific mechanism	S Wei, HL Pan, Y XU, DM Lovinger, L Zhang	NIAAA

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Neuroscience (NEURO)	41	How the most common pathology in ALS, loss of nuclear TDP-43, leads to motor neuron dysfunction and death	JJ Wlaschin, PG Lee, H Siberberg, M Sohn, CE Le Pichon	NICHHD
Neuroscience (NEURO)	42	Correlative light and electron microscopic study on 3D reconstruction of lateral habenular axon terminals with distinct synapses releasing glutamate and GABA	S Zhang, A Shevelkin, K Yu, H Wang, M Morales	NIDA
Neuroscience (NEURO)	43	Human iPSCs-derived microglia-containing 3D brain-region specific neural spheroids for disease modeling and therapeutic development	J Zhang, Y Lim, A Medina, M Carrasco Carvajal, E Lee, M Ferrer	NCATS
Neuroscience (NEURO)	44	Parcellation of cAMP-dependent IEG activation in D1 dopaminergic neurons	HZ Zhang, SZ Jiang, GH Bi, ZX Xi, W Xu, LE Lee	NIMH
Structural Biology (STRUCTBIO)	1	A novel mechanism of ubiquitination suggests direct interaction between UBA1 and E3	VV Courouble, W Yan, F Shengyun, CA LeClair, D Tao	NCATS
Structural Biology (STRUCTBIO)	2	Optimizing the Cryo-FIB Milling Pipeline for Cryo-ET	EP Dobbs, ZZ Chaudhry, N Mizuno	NHLBI
Structural Biology (STRUCTBIO)	3	Machine learning segmentation in 3D electron microscopy.	S Fulton, C Baenen, J Yang, J Kim, RD Leapman, MA Aronova	NIBIB
Structural Biology (STRUCTBIO)	4	PPM1D Phosphatase: insights from crystal structure, kinetic analysis, and structure-based virtual screening	JP Kumar, D Kosek, SR Durell, N Tarasova, LM Jenkins, S Debnath, NP Coussens, MD Hall, DH Appella, F Dyda, SJ Mazur, E Appella	NCI
Structural Biology (STRUCTBIO)	5	Capturing dynamin-mediated fission intermediates in Drosophila with Cryo-ET	P Kunamaneni, KA Sochacki, CJ Fagerstrom, MR Hannaford, C Khan, NM Rusan, JW Taraska, JE Hinshaw	NIDDK
Structural Biology (STRUCTBIO)	6	Snapshots of dynamin-mediated membrane fission by cryo-EM	N Kundu, S Nyenhuis, JR Jimah, H Breen, JT Harrison, B Canagarajah, JE Hinshaw	NIDDK
Structural Biology (STRUCTBIO)	7	CryoEM of OPA1 helical Structures give perspective to mitochondrial dysfunction	SB Nyenhuis, X Wu, MP Strub, YI Yim, AE Stanton, B Canagarajah, JA Hammer, JE Hinshaw	NIDDK
Structural Biology (STRUCTBIO)	8	Capturing oligomeric states of Lon protease involved in its regulation using CryoEM	I Rathore, A Gustchina, D Zhang, A Andrianova, A Kudzhaev, I Smirnov, T Rotanova, A Wlodawer	NCI
Structural Biology (STRUCTBIO)	9	RNA and DNA folds: insights into tertiary structure elements	SN Shaffer, LFM Passalacqua, AR Ferre-D'Amare	NHLBI
Structural Biology (STRUCTBIO)	10	CDK2 and CDK4: Cell Cycle Functions Evolve Distinct, Catalysis- Competent Conformations, Offering Drug Targets	W Zhang, Y Liu, H Jang, R Nussinov	NCI