2024 NIH Research Festival Posters
Monday, September 23, 2024 || Building 10, FAES Terrace, NIH Bethesda
Poster Session I: 9:00 a.m.– 10:30 a.m.

PosterCat	#	Title	Authors	Lead IC
Biomedical Engineering and Biophysics (BIOENG)	1	A high-throughput 3D bioprinted human placenta as a novel predictive platform to study drug safety and pathological conditions during pregnancy	C Antich, J Noel, Y Qu, D Tao, E Radnaa, J Jacob, R Menon, MJ Song, M Ferrer	NCATS
Biomedical Engineering and Biophysics (BIOENG)	2	Weakly Supervised Learning for Subcutaneous Edema Segmentation of Abdominal CT	S Bhadra, J Liu, RM Summers	CC
Biomedical Engineering and Biophysics (BIOENG)	3	Macrophage-Integrated 3D Outer Blood-Retinal Barrier Model to Investigate Subclinical Choroidal Neovascular Age-Related Macular Degeneration	C Cargill, R Quinn, T Park, C Zhang, E Nguyen, D Bose, M J Song, M Ferrer, R Sharma, K Bharti	NEI
Biomedical Engineering and Biophysics (BIOENG)	4	Atomic Force Microscopy: A Versatile Microscopy Resource on Campus	EK Dimitriadis	NIBIB
Biomedical Engineering and Biophysics (BIOENG)	5	A Functional 3D Bioprinted Neuromuscular Junction Model for Therapeutic Development of Myopathies and Neuromuscular Diseases	SA Frebert, CA Antich, S Kundu, P Ormanoglu, J Colon, Y Zou, Mj Song, M Ward, C Bonnemann, M Ferrer	NCATS
Biomedical Engineering and Biophysics (BIOENG)	6	Monitoring and Control System for Alcohol Vapor Chambers in Rodent Research	MA Garmendia, PM Donley, RH Pursley, JA Krynitsky, JC Vendruscolo, LF Vendruscolo	NIBIB
Biomedical Engineering and Biophysics (BIOENG)	7	An NMR-based fragment screening approach to identify LCAT modulators	EM Hausmann, SA Kotler, SL Saldana-Shumaker, MG Seidel, BR Woodward, M Fletcher, JW Carter, MI Konaklieva, CA LeClair	NCATS
Biomedical Engineering and Biophysics (BIOENG)	8	Automated, High Throughput mRNA-LNP Formation Using Adaptable Microfluidics	ND Jones, ML Figur, P Rezvan Sangsari, JM Groff, JM Burd, NY Morgan, DB Gowetski, EC Ihms	VRC
Biomedical Engineering and Biophysics (BIOENG)	9	Development of a Zebrafish Intubation Chamber for in vitro Longitudinal Imaging	T J Jones, J Krynitsky, P Gordon, T J Pohida, K Tanner	NIBIB
Biomedical Engineering and Biophysics (BIOENG)	10	Characterizing spontaneous movements during early development of mice	LF Cook, JA Krynitsky, L Zhang, AR Inacio, TJ Pohida, SH Lee	NIBIB
Biomedical Engineering and Biophysics (BIOENG)	11	Biofabrication of Immunocompetent 3D Skin Tissue Equivalents to Model Skin Wound Healing and Fibrosis.	YW Lim, H Zarkoob, MJ Song, M Ferrer	NCATS
Biomedical Engineering and Biophysics (BIOENG)	12	Sialic acid perturbation leads to profound remodeling of glycocalyx architecture and cellular mechanics in pancreatic cancer cells	AE Massey, S Behrman, G Altan-Bonnet, AX Cartagena-Rivera	NIBIB
Biomedical Engineering and Biophysics (BIOENG)	13	Insights into α-Synuclein Amyloid Formation: Effect of N- and C-terminal Truncations at the Residue-level	RP McGlinchey, X Ni, J Jiang, JC Lee	NHLBI
Biomedical Engineering and Biophysics (BIOENG)	14	Estimation of tissue properties in post-mortem brains to time from death using magnetic resonance elastography	J Mojumder, YC Lu, AM Diano, A Alshareef, AK Knutsen, M McGarry, CL Johnson, JA Butman, DL Pham	CC
Biomedical Engineering and Biophysics (BIOENG)	15	Microfabrication for Biomedical Research	P Rezvan Sangsari, ME Daminato, MA Kwarteng, HG Tran, NY Morgan	NIBIB
Biomedical Engineering and Biophysics (BIOENG)	16	Modulation of biophysical properties of nucleocapsid protein in the mutant spectrum of SARS-CoV-2	AN Nguyen, H Zhao, D Myagmarsuren, S Srinivasan, D Wu, J Chen, G Piszczek, P Schuck	NIBIB
Biomedical Engineering and Biophysics (BIOENG)	17	Tracking Muscle Deformation using Ultrasound Imaging During Functional Electrical Stimulation	SM Patwardhan, KE Alter, JA Stowers, DL Damiano, TC Bulea	CC
Biomedical Engineering and Biophysics (BIOENG)	19	3D High Throughput Bioprinted Vascularized Tissue Platform to Study Environmental Toxicant-Induced Angiogenesis and Vascular Dysfunction	M Rajput, MJ Song, D kuo, D Gerhold, M Ferrer, E Lee	NCATS
Biomedical Engineering and Biophysics (BIOENG)	20	Water bend-libration as a Raman probe of biological hydration: Applications to amyloid characterization in cellulo	S Ramos, JC Lee	NHLBI
Biomedical Engineering and Biophysics (BIOENG)	21	Continuing Development of Find-Seq for Gene Expression Analysis of Rare Cell Populations	P Rezvan Sangsari, N Dulin, P Ramdas, J Krynitsky, EA Boritz, NY Morgan	NIBIB
Biomedical Engineering and Biophysics (BIOENG)	22	Generation of human iPSC-derived cerebellar organoids and their application in development of gene therapeutics for Friedreich's Ataxia	S Ryu, J Inman, Y Gedik, V Jovanovic, A Simeonov, I Singec, C Tristan	NCATS
Biomedical Engineering and Biophysics (BIOENG)	23	Compact video system for automated mouse home cage activity and behavior monitoring	G Salem, M Garmendia-Cedillos, T Jones, S Qin, S Arumugam, I Farooq, L Wilson, S Bradley, D Kendricks, Y Chudasama, J Cushman, D Coble, J Dennis, T Pohida	NIBIB
Biomedical Engineering and Biophysics (BIOENG)	24	Amyloid formation of alternatively spliced variants of α-synuclein	DQ SanGiovanni, RP McGlinchey, JC Lee	NHLBI
Biomedical Engineering and Biophysics (BIOENG)	25	An Engineered Neurovascular Tissue Model with Perfusable Vascular Network for Disease Modeling and Drug Screening	YT Tung, MJ Song, M Ferrer	NCATS
Biomedical Engineering and Biophysics (BIOENG)	26	Phase separation and amyloid formation of TDP-43 C-terminal domain studied by Raman spectroscopy and site-specific p-ethynyl-phenylalanine probes	M D Watson, J C Lee	NHLBI
Biomedical Engineering and Biophysics (BIOENG)	27	Assembly of SARS-CoV-2 nucleocapsid protein with nucleic acid	H Zhao, AM Syed, MM Khalid, A Nguyen, A Ciling, D Wu, WM Yau, S Srinivasan, D Esposito, JA Doudna, G Piszczek, M Ott, P Schuck	NIBIB
Biomedical Engineering and Biophysics (BIOENG)	28	Pancreas Sub-region Segmentation on CT	Y Zhuang, A Suri, TS Mathai, B Khoury, RM Summers	CC
Biomedical Engineering and Biophysics (BIOENG)	29	Leveraging Augmented Reality for Visualization and Manipulation on Volumetric Medical Imaging Data	X Zou, A Martin-Gomez, R Freidlin, RD Leapman	NIBIB
Chromosome Biology (CHROM)	1	High resolution maps of chromatin reorganization reveal a meiotic-specific architectural role for CTCF in mouse meiosis	G Cheng, F Pratto, K Brick, X Li, B Alleva, M Huang, G Lam, RD Camerini-Otero	NIDDK
Chromosome Biology (CHROM)	2	Unravelling Centromeric evolution by Nucleosome elasticity	J Kolay, DP Melters, M Bui, Y Dalal	NCI
Chromosome Biology (CHROM)	3	Biased Transmission of Mouse Selfish DNA: Internal Causes of Wild-Type Embryo Mortality and Differential Gene Expression	DMZ Silva, T Akera	NHLBI
Computational Biology (COMPBIO)	1	Evaluating an Alphafold-based platform for the discovery and validation of dominant-negative protein fragments	AC Castroverde, JH Williams, AJ Hu, JL Meier	NCI
Computational Biology (COMPBIO)	2	Assessing reproducibility of metabolomic profiles generated using a multi-lab round-robin" study design"	HA Chatelaine, C Beecher, EA Mathé	NCATS
Computational Biology (COMPBIO)	3	RARe-SOURCE™: Integrated Bioinformatics Resource for Rare Diseases	J Cheung, U Mudunuri, M Alodadi, D Watson, A Che, E Lyons, GJ Tawa, RM Lomash, L Toney, C Purdy, S Mounaud, F Porter, SJ Haugabook, E Ottinger	NCATS
Computational Biology (COMPBIO)	4	RARe-SOURCE™ Literature AI: Rare Disease Genotype-Phenotype Associations from Biomedical Literature	M Alodadi, E Lyons, A Che, D Watson, GJ Tawa, F Porter, SJ Haugabook, E Ottinger, U Mudunuri	NCATS
Computational Biology (COMPBIO)	5	Development of a haplotype-aware assembly pipeline for analysis of rearrangements at the human CYP2D6-CYP2D7-CYP2D8 locus	D Dahiya, B Alleva, F Pratto, R D Camerini-Otero	NIDDK

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Computational Biology (COMPBIO)	6	Integrative analysis of the rare endocrine cancers using multi-omics data	SV Daulatabad, A Jain, D Nousome, M Tandon, D Varghese, K Pendo, MFW Malone, J del Rivero, BC Widemann, KM Reilly	NCI
Computational Biology (COMPBIO)	7	Physiological Modeling and Parameter Inference with Deep Learning: A Lipolysis Example	X Duan, M Aggarwal, V Periwal	NIDDK
Computational Biology (COMPBIO)	8	Fusion of Spatiotemporal and Network Models to Quantify Variations in ScRNA-seq data	OA Egbon, B Anchang	NIEHS
Computational Biology (COMPBIO)	9	Deep learning-based screening strategy for rapid identification of annilsoem cell-entry inhibitors	Pen Gao, Wei Zheng, Min Shen	NCATS
Computational Biology (COMPBIO)	10	Evaluating the utility of the MSTI assay results in predicting compound promiscuity and cytotoxicity	L Kruger, DK Ngan, T Xu, L Zhang, M Xia, A Simeonov, R Huang	NCATS
Computational Biology (COMPBIO)	11	Glaucoma-causing Myocilin mutational landscape in Olfactomedin 1 suggests protein aggregation mediated retinal ganglion cell insults in the eye	D Kumar, P Johnson, N Nakaya, SI Tomarev	NEI
Computational Biology (COMPBIO)	12	PubTator 3.0: an AI-powered Literature Resource for Unlocking Biomedical Knowledge	CH Wei, A Allot, PT Lai, R Leaman, S Tian, L Luo, Q Jin, Z Wang, Q Chen, Z Lu	NLM
Computational Biology (COMPBIO)	13	Explainable AI using large vision models for medical visual patterns detection	Z Liang, Z Xue, S Rajaraman, S Antani	NLM
Computational Biology (COMPBIO)	14	Prediction of chemical-induced acute toxicity using in vitro assay data and chemical structure	X Luo, T Xu, D.K Ngan, M Xia, J Zhao, S Sakamuru, A Simeonov, R Huang	NCATS
Computational Biology (COMPBIO)	15	RaMP-DB 3.0: a relational database for multi-omic data interpretation	KY Mehta, A Patt, T Sheils, A Tisch, J Sayer, J Braisted, KJ Kelleher, EA Mathé	NCATS
Computational Biology (COMPBIO)	16	In vitro profiling of pesticides within the Tox21 10K compound library for bioactivity and potential toxicity	DK Ngan, M Xia, A Simeonov, R Huang	NCATS
Computational Biology (COMPBIO)	17	Studying Mechanisms of Il12b Gene Regulation by NF-κB in Macrophages	Y Oh, KS Oh, MH Sung	NIA
Computational Biology (COMPBIO)	18	Mixed strain infections of tuberculosis in TB Portals: case characteristics and associated risk factors	MP Peyton, BM Jeffrey, G Rosenfeld, AE Gabrielian, KR Wollenberg, MR Galac, MA Harris, Z Yaniv, A Rosenthal, DE Hurt	NIAID
Computational Biology (COMPBIO)	19	ERK kinases in Cell Signaling: A Structural Study of Mechanisms and Cancer Therapeutics	C Regev, H Jang, R Nussinov	NCI
Computational Biology (COMPBIO)	20	Reversal gene expression assessment for drug repurposing, a case study of glioblastoma	S Sun, Z Shyr, K McDaniel, Y Fang, D Tao, CZ Chen, W Zheng, Q Zhu	NCATS
Computational Biology (COMPBIO)	21	Models for characterization, diagnosis, and treatment of human cancers using comparative canine-human multi-omics.	GJ Tawa, A Leblanc, D Gerhold, M Breen, C Thomas, C Mazcko, S Hoyt, J Braisted, GC Wicaksono, S Huang, L Ren, C McNight, K Wilson, C Klumpp-Thomas, D Holland, X Zhang	NCATS
Computational Biology (COMPBIO)	22	Automating compound integration for efficient in-house database development using R	AM Tisch, D Bennouna, HA Chatelaine, EA Mathé	NCATS
Computational Biology (COMPBIO)	23	CURE ID: A Platform to Collect Real World Data of Drug Repurposing	KC Tumas, SR Strongin, EA Mathé	NCATS
Computational Biology (COMPBIO)	24	Multi-phase abdominal CT image enhancement for better segmentation	X Wang, TS Mathai, B Kim, RM Summers	CC
Computational Biology (COMPBIO)	25	Rapid processing of high-throughput thermal shift assay data for lead compound identification	SC Waterworth, SS Kurian, ND Sharma, C Wolcott, DE Donohue, BR O'Keefe, JA Beutler	NCI
Computational Biology (COMPBIO)	26	Biomedical Data Translator	MW Williams, SA Abdollahi	NCATS
Computational Biology (COMPBIO)	27	Expanded Tox21 biological assay panel improves prediction of drug-induced liver injury and cardiotoxicity	T Xu, D Ngan, J Zhao, M Ooka, S Sakamuru, L Zhang, S Yang, M Xia, A Simeonov, R Huang	NCATS
Computational Biology (COMPBIO)	28	Establishment of an in silico-based framework for repurposing existing therapeutic agents to identify potential drugs targeting SARS-CoV	Lin Ye, Kel Nance, Ste Kales, Emi Lee, Kha Shamim, Val Labay, Xin Hu	NCATS
Computational Biology (COMPBIO)	29	Rare Disease Alert System (RDAS) to Promote Rare Disease Research	D Leadman, T Sheils, J Valinejad, M Ao, S Sun, S Moon, Y Xu, Q Zhu	NCATS
Genetics and Genomics (GEN)	1	Semi-automated hand annotation (SAHA) for mouse brain single cell and spatial datasets	DJ Acri, R Mustaklem, L Horan-Portelance, LC Dabin, JH Park, K Hartigan, H Kersey, M Mesecar, JR Gibbs, MR Cookson, J Kim	NIA
Genetics and Genomics (GEN)	2	Retrotransposon insertions associated with risk of neurologic and psychiatric diseases	HW Ahn, ZF Worman, A Lechsinska, LM Payer, T Wang, N Malik, W Li, KH Burns, A Nath, HL Levin	NICHD
Genetics and Genomics (GEN)	3	Development of a methodology for analysis of heritable rearrangements: A case study at the human Cyp2d6 locus	B Alleva, D Dahiya, F Pratto, RD Camerini-Otero	NIDDK
Genetics and Genomics (GEN)	4	Lung sensitizing monogenic variant carrier frequency in idiopathic bronchiectasis	J Berghout, AJ Oler, JB Lack, W Cao, E Karlins, R Ghosh, BA Siefert, MN Similuk, K Kumar, AJ Lipton, KP Fennelly, KN Olivier, SM Holland, MA Walkiewicz, J Yan	NIAID
Genetics and Genomics (GEN)	5	Pharmacogenomic genome-wide association study of LDL response to statins using high-throughput electronic health records analysis	SB Goleva, JM Keaton, BJ Waxse, A Williams, AH Awan, JC Denny	NHGRI
Genetics and Genomics (GEN)	6	CRISPR-mediated base editing of the Irish Infantile Tay-Sachs mutation	M Hernandez, T Lee, C Byrnes, A Crowell, RL Proia, CJ Tifft	NHGRI
Genetics and Genomics (GEN)	7	Characterization of transcription factors controlling exocrine pancreas lineages and their role in pancreatic ductal adenocarcinoma	MT Ioh, MM Jezek, S Baek, TN Truong Vo, L Wang, HE Arda	NCI
Genetics and Genomics (GEN)	8	Plasma glycine levels are associated with a missense variant in Carbamoyl-Phosphate Synthase 1 (CPS1) in Nigerians	Bin Jalloh, Ayo Doumatey, Gua Chen, Jie Zhou, Lin Lei, Cha Rotimi, Ade Adeyemo	NHGRI
Genetics and Genomics (GEN)	9	Characterization of cell type-specific enhancers in the human pancreas using a massively parallel reporter assay	MM Jezek, M Ioh, S Baek, HE Arda	NCI
Genetics and Genomics (GEN)	10	Optimization of gene therapy for pulmonary fibrosis in Hermansky-Pudlak Syndrome Type 1 using AAV Vectors in mouse models	MN LaRoche, G Nieto, M Behan, M Hossain, MCV Malicdan, WA Gahl	NHGRI
Genetics and Genomics (GEN)	11	Harnessing the power of liquid biopsy for understanding the genetic and immunological mechanisms of immunotherapy failures in metastatic castration-resistant prostate cancer	C Li, A Baj, CY Seo, NT Terrigino, JR Bright, ST Hennigan, IM King, S Wilkinson, SY Trostel, WD Figg, WL Dahut, JM Lee, DY Takeda, F Karzai, AG Sowalsky	NCI
Genetics and Genomics (GEN)	12	Proportion testing for linkage in genomic studies of cosmopolitan populations	K Morisaki, Q Yuan, C Hodgkinson, D Goldman	NIAAA
Genetics and Genomics (GEN)	13	BCBB Clinical Genomics Analysis Team - Methods and projects	AJ Oler, E Karlins, C McNinch, Z Fazal, J Berghout, B Isaac	NIAID
Genetics and Genomics (GEN)	14	Regulatory potential of the human genome	J Srivastava, I Ovcharenko	NLM
Genetics and Genomics (GEN)	15	Characterization of a new aggressive subtype of cervical cancer more common in minority populations using long-read whole genome sequencing	S Tulsyan, Y Xie, I Rodriguez, E Robinson, E Gharzouzi, R Orozco, E Alvirez, M Dean	NCI

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Research Support Services (RSCHSUPP)	2	Communications hub and research management system (CHARMS)	RC Bremer, JN Hatton, L Brem, GM Ney, MN Frone, S Avantsa, S Yang, C Ani, S Pan, J Shilling, SA Savage	NCI
Research Support Services (RSCHSUPP)	3	NIH 3D: Comprehensive library and advanced creation tools for scientific and medical visualization	KM Browne, MC McCarthy, P Cruz, D Liou, DE Hurt	NIAID
Research Support Services (RSCHSUPP)	4	Integration of Direct Nano-volume OPI-MS with Unchained Labs Junior for rapid sampling high throughput reaction screening in drug discovery	DR Calabrese, N Hoxie, J Janiszewski, P Bende, JC Klein, A Godfrey, S Michael, T Masquelin	NCATS
Research Support Services (RSCHSUPP)	5	Safety in the autopsy suite: assessing safety training gaps in Medical Examiner and Coroner communities	MA Diaz, J McCormick-Ell	NIAID
Research Support Services (RSCHSUPP)	6	Video analysis system for behavior and activity assessment of fruit flies in high-throughput studies	I Farooq, G Salem, M Garmendia-Cedillos, A Somenhalli, N Khandekar, L Argueta, N Cubert, M Jamie, J Holsopple, S Smoot, T Kaufman, J Tennessen, T Pohida, B Oliver	NIDDK
Research Support Services (RSCHSUPP)	7	NIH scientists and the Federal Laboratory Consortium for Technology Transfer (FLC) in 2018	TL Kirby, SM Ferguson, WA Hastings	OD
Research Support Services (RSCHSUPP)	8	The development of a scalable synthesis for S-MRI1867, a novel dual inhibitor to the CB1R and iNOS	J Huang, A Alimardanov	NCATS
Research Support Services (RSCHSUPP)	9	NCI/CCR/LRBGE Optical Microscopy Core (Building 41)	TS Karpova, DA Ball, M Fazel	NCI
Research Support Services (RSCHSUPP)	10	Microscopy and Digital Imaging in the CCR Microscopy Core	MJ KRUHLAK, L LIM, A TRAN	NCI
Research Support Services (RSCHSUPP)	11	Radiolabeling of peptides, nanobodies, and aptamers for positron emission tomography (PET)	D Kiesewetter, L Lang, J Gonzalez-Guzman	NIBIB
Research Support Services (RSCHSUPP)	12	The NIAID “BioViz” Lab: building resources and cyberinfrastructure to support NIAID staff with virtual reality technology and immersive experiences	MC McCarthy, P Cruz, V Starr-Kramer, C Caesar, A Leavey, L Mills, T Pugh, W Sadoff, DE Hurt	NIAID
Research Support Services (RSCHSUPP)	13	The Division of Comparative Medicine in the Office of Research Infrastructure Programs Supports Animal Model and Related Biological Materials Resources for Innovation in Biomedical Research	SJ Murphy, B Buhring, S Chandran, M Contreras, O Mirochnitchenko, R Tandon, B Tian, D Vonkollmar, S Zou	OD
Research Support Services (RSCHSUPP)	14	ORIP’s S10 Instrument Program – The Best Resource You Never Knew Existed	H Nelson, M Aggarwal, Y Chen, XN Li	OD
Research Support Services (RSCHSUPP)	15	The NIAID 3D Printing Lab: The evolution of 3D printing services at BCBB	V Starr Kramer, P Cruz, K Browne, MC McCarthy, DE Hurt	NIAID
Research Support Services (RSCHSUPP)	16	The NIA Nonhuman Primate Core: Archived Translational Aging Research Samples and Longitudinal Data	MC Stewart, KL Vaughan, JA Mattison	NIA
Research Support Services (RSCHSUPP)	17	The NIA Nonhuman Primate Core Program: Translational Aging Research	KC Toepfer, KL Vaughan, JA Mattison	NIA
Research Support Services (RSCHSUPP)	18	New Enterprise Technology Transfer system revolutionizes tech transfer at NIH	T Leahy, B Bigelow, A Wingo, T Goodell, F Sanghani, S Roy, R Holnick, M Ha, P Raja, T Siriam, J Raedels, J Yu, S Claxton, A Bhardwaj, A Dahl, B Gallagher	OD
Research Support Services (RSCHSUPP)	19	Empowering your research with services from the CCR Genomics Core	S Shema, Q Wei, D Tillo, M Wong, E Conner	NCI
Research Support Services (RSCHSUPP)	20	Trans-NIH Electron Microscopy Shared Facility	Guo Zhang	NIBIB
Research Support Services (RSCHSUPP)	21	Overview of the NIH Religion, Spirituality, and Health Scientific Interest Group: Background, Purpose, Aims, and Future Directions	J C Romaine, J S Wilson, F J Rubio, R Z Litten, D Y Roach, M Halula, D Xi, C Brackna, R Gupta, G Riscuta, A Berger	NIAAA
Research Support Services (RSCHSUPP)	22	Design, Creation, and Implementation of On-Demand Reaction Screening Kits	A Radujevic, D David Calabrese, JC Klein, V Ujah, A Godfrey, T Masquelin	NCATS
RNA Biology (RNA)	1	Systemic identification of functionally conserved lncRNA metabolic regulators between humans and mice	CF Jiang, Z Li, P Li, YH Ma, S Seok, SK Podguski, S Moturi, N Yoneda, K Kawai, S Uehara, Y Ohnishi, H Suemizu, JW Zhang, HM Cao	NHLBI
RNA Biology (RNA)	2	MicroRNA-5581-5p: A Novel tumor suppressor in Mesothelioma	S Sahu, V Singh, A Singh, N Pruett, SH Yoon, CD Hoang	NCI
RNA Biology (RNA)	3	A new kinetic assay that monitors helicase unwinding of G-quadruplexes	HS Shamroukh, MT Banco, AR Ferre-D'Amare	NHLBI
RNA Biology (RNA)	4	Elucidating the mechanism of RNA G-quadruplex mediated mitochondrial RNA polymerase pausing	A Kaminski, W Peele, E Derose, L.C Pedersen, M.J Borgnia, G Mueller, J.A Watts	NIEHS
RNA Biology (RNA)	5	miR-342-5p as a Tumor Suppressor: A Promising Therapeutic Candidate for Diffuse Pleural Mesothelioma	SH Yoon, A Singh, N Pruett, V Singh, S Sahu, CD Hoang	NCI