NIH FUNDING FOR TSC RESEARCH FY 2024

State / Country	PI Name	Org Name	Project Title	Funding IC	Award Total
California					**$ 1,585,405.00**
	HURLEY, JAMES	UNIVERSITY OF CALIFORNIA BERKELEY	Molecular and structural mechanisms of mTORC1 regulation in cancer	NCI	$ 584,036.00
	BATEUP, HELEN	UNIVERSITY OF CALIFORNIA BERKELEY	Elucidating the origins of cortical tuber cells using human brain organoid models of TSC	NINDS	$ 372,546.00
	WILBRECHT, LINDA	UNIVERSITY OF CALIFORNIA BERKELEY	Strengths and weaknesses in learning in mice with ASD risk genes	NIMH	$ 628,823.00
Delaware					**$ 361,645.00**
	HERNAN, AMANDA	NEMOURS CHILDREN'S HOSPITAL, DELAWARE	Leveraging genetically-encoded heterogeneity to understand TANDs and seizures in novel models of TSC	NINDS	$ 361,645.00
Florida					**$ 1,136,875.00**
	LIU, ANDREW	UNIVERSITY OF FLORIDA	Role of mTOR in Circadian and Sleep Deregulation in Smith-Kingsmore Syndrome (SKS)	NINDS	$ 454,640.00
	YANG, YING	UNIVERSITY OF SOUTH FLORIDA	TSC Proteins in the Lymphatic Vasculature	NHLBI	$ 682,235.00
Illinois					**$ 584,415.00**
	LE POOLE, I.	NORTHWESTERN UNIVERSITY AT CHICAGO	Time to ATTAC: Adoptive Transfer of T cells Against gp100+ Cells to treat LAM	NHLBI	$ 584,415.00
Massachusetts					**$ 5,474,672.00**
	KWIATKOWSKI, DAVID	BRIGHAM AND WOMEN'S HOSPITAL	Genetics of LAM	NHLBI	$ 440,661.00
	WINDEN, KELLEN	BOSTON CHILDREN'S HOSPITAL	Molecular Mechanisms of Neuronal Hyperactivity in Tuberous Sclerosis Complex	NINDS	$ 200,616.00
	XU, QIAOBING	TUFTS UNIVERSITY MEDFORD	Develop lung-targeted synthetic lipid nanoparticles for mRNA medicine treating pulmonary lymphangioleiomyomatosis	NHLBI	$ 659,481.00
	HENSKE, ELIZABETH	BRIGHAM AND WOMEN'S HOSPITAL	The Molecular and Genetic Pathogenesis of LAM	NHLBI	$ 668,977.00
	HENSKE, ELIZABETH	BRIGHAM AND WOMEN'S HOSPITAL	Mechanisms of immunosuppression in the development and progression of renal disease in Tuberous Sclerosis Complex	NIDDK	$ 506,772.00
	HENSKE, ELIZABETH	BRIGHAM AND WOMEN'S HOSPITAL	Role of TFEB and TFE3 in Tuberous Sclerosis Complex (TSC) Kidney Disease	NIDDK	$ 368,893.00
	LEMOS, DARIO	BRIGHAM AND WOMEN'S HOSPITAL	Elucidation of Tumor Resistance Mechanisms in Tuberous Sclerosis Complex-Associated Renal Angiomyolipoma for the Design of Novel Nanotherapies	NCI	$ 364,979.00
	MANNING, BRENDAN	HARVARD SCHOOL OF PUBLIC HEALTH	Decoding and Targeting the PI3K-mTOR Signaling Network in Cancer	NCI	$ 911,728.00
	KWIATKOWSKI, DAVID	BRIGHAM AND WOMEN'S HOSPITAL	Project 1: Identifying new therapeutic avenues to selectively target tumors with uncontrolled mTORC1 activation	NCI	$ 468,591.00
	KWIATKOWSKI, DAVID	BRIGHAM AND WOMEN'S HOSPITAL	Project 3: Identifying transcriptional driver genes and targeting transcription in TSC	NCI	$ 741,557.00
	KWIATKOWSKI, DAVID	BRIGHAM AND WOMEN'S HOSPITAL	Core B: Mass Spectrometry, proteomics, metabolmics and lipidomics	NCI	$ 142,417.00
Maryland					**$ 3,445,233.00**

State / Country	PI Name	Org Name	Project Title	Funding IC	Award Total
	MOSS, JOEL	NIH	Characterization of the Pathogenesis of Lymphangioleiomyomatosis (LAM)	NHLBI	$ 2,941,694.00
	PEARCE, ERIKA	JOHNS HOPKINS UNIVERSITY	Phosphorylation of TSC2 (S1365) as a novel Regulator of mTORC1 Signaling in T Cells	NIAID	$ 503,539.00
Maine					**$ 253,362.00**
	FILIPPAKIS, CHARILAOS	UNIVERSITY OF NEW ENGLAND	Project 3 - Filippakis	NIGMS	$ 253,362.00
Michigan					**$ 530,424.00**
	VAUGHAN, ROBERT	MICHIGAN STATE UNIVERSITY	Characterizing genetic modifiers in tumor burden of Tuberous Sclerosis Complex	NCI	$ 110,354.00
	DANG, LOUIS	UNIVERSITY OF MICHIGAN AT ANN ARBOR	Elucidating pathogenic mechanisms in STRADA-related brain malformation and epilepsy	NINDS	$ 420,070.00
Missouri					**$ 466,231.00**
	FOUTZ, THOMAS	WASHINGTON UNIVERSITY	Optimization and mechanisms of electrical neurostimulation in mouse models of epilepsy	NINDS	$ 232,981.00
	WONG, MICHAEL	WASHINGTON UNIVERSITY	KCC2 and epilepsy in a mouse model of tuberous sclerosis complex	NINDS	$ 233,250.00
North Carolina					**$ 139,380.00**
	NIERE, FARR	NORTH CAROLINA AGRI & TECH ST UNIV	Evaluating dendritic DJ-1 targets as a framework for identifying pharmacotherapies for TSC-related neurological disorders	NINDS	$ 139,380.00
New York					**$ 1,865,720.00**
	STUDER, LORENZ	SLOAN-KETTERING INST CAN RESEARCH	Human PSC-based cortical organoid and assembloid systems integrating pericyte and microglial lineages and signals	NIMH	$ 724,048.00
	D'ARMIENTO, JEANINE	COLUMBIA UNIVERSITY HEALTH SCIENCES	Molecular Biomarkers in pathogenesis of Lymphangioleiomyomatosis (LAM)	NHLBI	$ 695,144.00
	HAMMES, STEPHEN	UNIVERSITY OF ROCHESTER	Examining Sexual Dimorphisms: The Role of Estradiol Signaling in Modulating Immunity	NHLBI	$ 446,528.00
Ohio					**$ 192,729.00**
	GUPTA, NISHANT	UNIVERSITY OF CINCINNATI	Patient centered outcome measures and prediction tools in lymphangioleiomyomatosis	NHLBI	$ 150,155.00
	DRAKE, AUSTIN	CINCINNATI CHILDRENS HOSP MED CTR	Regulation of Epileptogenesis by Hippocampal Somatostatin Interneurons in a Model of mTORopathies	NINDS	$ 42,574.00
Pennsylvania					**$ 1,623,112.00**
	PRATICO, DOMENICO	TEMPLE UNIV OF THE COMMONWEALTH	Proteostasis dysregulation and the development of Alzheimer's-like neurodegeneration and dementia in Down syndrome	NIA	$ 529,653.00
	HWANG, HUN-WAY	UNIVERSITY OF PITTSBURGH AT PITTSBURGH	Regulation and biological functions of mRNA Alternative Polyadenylation in the Brain	NINDS	$ 324,607.00
	LIN, SUSAN	UNIVERSITY OF PENNSYLVANIA	Role of mTOR Hyperactivation in Pulmonary Vascular Remodeling	NHLBI	$ 164,700.00
	KRYMSKAYA, VERA	UNIVERSITY OF PENNSYLVANIA	mTORC1 and WNT in lung mesenchyme	NHLBI	$ 604,152.00
Tennessee					**$ 570,295.00**
	GIPSON, TANJALA	UNIVERSITY OF TENNESSEE HEALTH SCI CTR	Early Communication in Tuberous Sclerosis Complex (TSC) and its Prediction of Autism	NIDCD	$ 198,500.00

State / Country	PI Name	Org Name	Project Title	Funding IC	Award Total
	IHRIE, REBECCA	VANDERBILT UNIVERSITY	Identifying mTOR Dependent Periods During Brain Development	NINDS	$ 371,795.00
Texas					**$ 754,455.00**
	TSAI, PETER	UT SOUTHWESTERN MEDICAL CENTER	Cerebellar-Cerebro Cortical Circuits in Social Behaviors	NIMH	$ 754,455.00
Washington					**$ 553,803.00**
	HAHN, SIHOUN	SEATTLE CHILDREN'S HOSPITAL	Development of a Multiplex Proteomics Assay for High-Throughput Newborn Screening of a New Set of Treatable Neonatal Diseases	NICHD	$ 553,803.00
Wisconsin					**$ 342,317.00**
	GOMEZ, TIMOTHY	UNIVERSITY OF WISCONSIN-MADISON	Mechanisms of mTOR-independent axon growth and guidance defects in TSC2 mutant human neurons	NINDS	$ 342,317.00