

**CENTER FOR LUNG BIOLOGY**

**10/1/2020 TO 09/30/2021**

DEPT	PI	AGENCY	PROJECT TITLE	AWARD NUMBER	SUBMISSION TYPE	BUDGET PERIOD	BUDGET AWARDS
<b>UNIT: College of Medicine</b>							
<b>Center for Lung Biology</b>							
Alexeyev,	Mikhail	DOD	Defining the molecular composition of the interspecies barrier for mitochondrial DNA replication	A21-0095-001	New	8/1/2021 1/31/2023	\$308,000
Alexeyev,	Mikhail	DOD	Tow ards humanized mouse models of mitochondrial disease	A21-0166-001	New	8/1/2021 7/31/2024	\$769,997
Borchert,	Glen	NSF	RAPID: Exosomal tRNA fragments constitute an innate viral defense	A20-0225-001	New	5/15/2020 4/30/2022	\$5,860
Borchert,	Glen	NSF	RAPID: Exosomal tRNA fragments may constitute an innate viral defense against SARS-CoV-2 and other respiratory RNA viruses	A20-0229-001	Supplement	5/15/2020 4/30/2022	\$25,350
Borchert,	Glen	ACHE	Graduate Research Scholars Program (GRSP) Aw ards (Round 16)	A21-0168-001	New	8/15/2021 8/14/2022	\$25,000
Gillespie,	Mark	NIH	MtDNA repair: An isolated pharmacologic target in acute lung injury	A18-0154-004	Continuation	7/1/2021 6/30/2022	\$418,430
Gillespie,	Mark	NIH	mtDNA damage and DAMPs in multiple organ dysfunction syndrome	A19-0136-003	Continuation	2/1/2021 1/31/2022	\$438,552
Gillespie,	Mark	NIH	University of South Alabama Translational Research Service Center	A19-0149-005	New	5/1/2021 4/30/2022	\$193,978
Gillespie,	Mark	AHA	Oxidative Mitochondrial DNA Damage in the Propagation of Ischemia-Reperfusion Injury and its Long-term Consequences	A21-0114-001	New	4/1/2021 3/31/2022	\$31,520
Gillespie,	Mark	NIH	USA CCTS Fee for Service Agreement to Fund Voucher Aw ards	A21-0121-001	New	1/1/2021 4/30/2022	\$15,000
Gillespie,	Mark	NIH	Mitigation of Chlorine Injury to Mitochondria	A21-0204-001	New	9/4/2021 8/31/2022	\$15,000
Langley,	Raymond	NIH	Metabolic Energy Crisis Signature Predict Quality of Life in Survivors of Acute Respiratory Failure	A20-0058-003	Continuation	5/1/2021 1/31/2022	\$93,231
Langley,	Raymond	NIH	Metabolic Energy Crisis Signature Predicts Quality of Life in Survivors of Acute Respiratory Failure	A21-0113-001	New	5/1/2021 4/30/2022	\$249,683

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Lee,	Ji Young	NIH	Carbonic anhydrase IX and pulmonary endothelial cell acidosis during infection	A21-0177-001	New	8/1/2021	7/31/2022	\$160,067
Lin,	Mike	NIH	Nosocomial pneumonias impair cognitive function	A18-0094-004	Continuation	4/1/2021	3/31/2022	\$441,118
Rich,	Thomas	NIH	Functional Diversity of Compartmentalized Calcium Signaling in Airway Smooth Muscle	A17-0214-005	Continuation	12/1/2020	11/30/2021	\$131,491
Rich,	Thomas	NIH	G Protein-Coupled Receptor Regulation in Airway Myocytes	A19-0055-004	Continuation	1/1/2021	12/31/2021	\$103,950
Richter,	Wito	NIH	Regulation of phosphodiesterases and cAMP signaling during the host-pathogen interaction in the pulmonary endothelium	A18-0062-004	Continuation	4/1/2021	3/31/2022	\$378,244
Stevens,	Troy	NIH	Lung Endothelial Cell Phenotypes	A18-0133-004	Continuation	5/1/2021	4/30/2022	\$2,030,508
Stevens,	Troy	NIH	Lung Endothelial AB in infectious proteinopathy	A20-0146-002	Continuation	7/1/2021	6/30/2022	\$385,000
Taylor,	Mark	NIH	Network signature of low-flow endothelial dysfunction	A21-0197-001	New	9/1/2021	7/31/2022	\$385,000
<b>TOTAL FOR DEPARTMENT: Center for Lung Biology</b>								<b>\$6,604,979</b>