



ROSALIND FRANKLIN  
UNIVERSITY  
*of* MEDICINE AND SCIENCE

## **Extramural Funding**

**July 1, 2017 - June 30, 2018**

# ROSALIND FRANKLIN UNIVERSITY *of* MEDICINE AND SCIENCE

## FY2018 Sponsored Research Awards by Department

Chicago Medical School				
PI Name	Agency	Title	Project Dates	Awarded Funds Current Budget Period
<b>Biochemistry and Molecular Biology</b>				
Choe, Jun-yong	NIH (National Institutes of Health)	Ligand specificity in human glucose transporters GLUT1-5 and GLUT9	01-Apr-2017 - 31-Mar-2021	\$308,049.00
Choe, Jun-yong	Scripps Research Institute	The role of spin genes in autophagy and lifespan in C. elegans	01-Mar-2017 - 28-Feb-2019	\$62,400.00
Lu, Min	NIH (National Institutes of Health)	Structural mechanisms of multidrug extrusion by the MATE antiporters	01-Sep-2015 - 31-Aug-2019	\$314,856.00
Mueller, David M	NIH (National Institutes of Health)	Structure and Function of the ATP synthase	01-Jul-2016 - 30-Jun-2019	\$491,713.28
			<b>Department Total:</b>	<b>\$1,177,018.28</b>
<b>Cell Biology and Anatomy</b>				
Dundr, Miroslav	Danish Cancer Society Research Center	Cajal body assembly supports the early stages of oncogenesis	01-Apr-2018 - 31-Oct-2018	\$9,970.00
Hastings, Michelle	The Michael J Fox Foundation for Parkinson's Research	Novel stable LRRK2 directed antisense oligonucleotide as a therapy for Parkinson's Disease	01-Oct-2016 - 30-Sep-2018	\$46,010.37
Hastings, Michelle	Sanford Research	Searching for an Effective Treatment for a CLN6 Batten Disease	01-Dec-2017 - 30-Nov-2018	\$124,079.40
Kam, Kaiwen	NIH (National Institutes of Health)	The role of inhibitory microcircuits in the neural control of breathing	01-Dec-2016 - 30-Nov-2021	\$341,250.00

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PI Name	Agency	Title	Project Dates	Awarded Funds Current Budget Period
Kim, Hongkyun	NIH (National Institutes of Health)	A genetic study of BK channel trafficking and regulation in C. elegans	01-Jan-2018 - 31-Dec-2021	\$350,145.00
			<b>Department Total:</b>	<b>\$871,454.77</b>
<b>Cellular and Molecular Pharmacology</b>				
Dabrowska, Joanna	NIH (National Institutes of Health)	Modulation of the BNST activity by oxytocin - role in stress, fear and anxiety	12-May-2017 - 28-Feb-2022	\$390,000.00
Rosenkranz, Jeremy	NIH (National Institutes of Health)	Sex differences in amygdala function	10-Dec-2013 - 30-Nov-2018	\$173,813.00
Rosenkranz, Jeremy	NIH (National Institutes of Health)	Effects of repeated stress on amygdala function during adolescence	16-Feb-2016 - 31-Jan-2020	\$245,700.00
			<b>Department Total:</b>	<b>\$809,513.00</b>
<b>Interprofessional Healthcare Workforce Institute</b>				
Rudman, William	CareForce Innovation	St. Kate's Feasibility Study	16-Mar-2018 - 15-Mar-2019	\$56,810.60
			<b>Department Total:</b>	<b>\$56,810.60</b>
<b>Microbiology and Immunology</b>				
Martinez, Gustavo	ACS (American Cancer Society)	Transcriptional and epigenetic regulation of T cell exhaustion	01-Jan-2018 - 31-Dec-2021	\$198,000.00
Re, Fabio	NIH (National Institutes of Health)	Regulation of intestinal microbiota by B1 B cells during lung infection	17-Jul-2017 - 16-Jul-2019	\$234,000.00
Re, Fabio	NIH (National Institutes of Health)	Role of neutrophils and elastase in melioidosis	01-May-2015 - 30-Apr-2020	\$387,242.00

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PI Name	Agency	Title	Project Dates	Awarded Funds Current Budget Period
Sharma-Walia, Neelam	NIH (National Institutes of Health)	Lipoxins and aspirin lipoxins in KSHV latency and pathogenesis	15-Sep-2016 - 31-Aug-2021	\$356,850.00
Waris, Gulam	NIH (National Institutes of Health)	Hepatitis C virus-induced inflammasome and lipid metabolism	15-May-2016 - 30-Apr-2021	\$351,000.00
			<b>Department Total:</b>	<b>\$1,527,092.00</b>
<b>Neuroscience</b>				
Peterson, Daniel A	NIH (National Institutes of Health)	Reprogramming Cell Fate for Repair	15-Jun-2017 - 14-Jun-2022	\$565,096.00
Stefanik, Michael	NIH (National Institutes of Health)	Protein transaltion and the incubation of cocaine craving	12-Jul-2015 - 11-Jul-2016	\$57,066.00
Stutzmann, Grace	NIH (National Institutes of Health)	Novel Drug Discovery for AD Targeting Ryanodine Calcium Channels	15-Aug-2016 - 30-Jun-2021	\$195,000.00
Stutzmann, Grace	NeuroLucent Inc.	Ryanodine receptor inhibitors as a treatment for AD	01-Apr-2017 - 30-Jun-2018	\$194,149.00
Stutzmann, Grace	NeuroLucent Inc.	Optimization of Novel Ryanodine Receptor Modulatory Compounds for AD	01-May-2018 - 30-Apr-2019	\$51,526.00
Stutzmann, Grace	Alzheimer's Association	Intracellular Ca2+channels as a therapeutic target for AD drug discovery	01-Oct-2015 - 30-Sep-2018	\$24,750.00
West, Anthony	Michigan State University	Striatal Nurr1 activity facilitates the dyskinetic state: A novel therapeutic target	01-Aug-2017 - 31-Jul-2018	\$81,955.85
West, Anthony	Acadia Pharmaceuticals	Impact of pimavanserin on acetylcholine release in the prefrontal cortex	23-Mar-2018 - 22-Aug-2018	\$24,880.08
Wolf, Marina	NIH (National Institutes of Health)	Glutamate receptor plasticity underlying incubation of methamphetamine craving	01-Dec-2016 - 30-Nov-2021	\$392,590.00

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PI Name	Agency	Title	Project Dates	Awarded Funds Current Budget Period
Wolf, Marina	NIH (National Institutes of Health)	Synaptic mechanisms maintaining persistent cocaine craving	01-Jun-2014 - 31-May-2019	\$366,938.00
Wunsch, Amanda M	NIH (National Institutes of Health)	Retinoic acid signaling and incubation of cocaine craving	18-Feb-2018 - 17-Feb-2021	\$58,654.00
			<b>Department Total:</b>	<b>\$2,012,604.93</b>
<b>Physiology and Biophysics</b>				
Bradbury, Neil	Sigma Xi	Lemur tyrosine kinase 2, a critical regulator of gut development and function	01-Jun-2018 - 31-May-2020	\$1,000.00
Bridges, Robert J	CFF (Cystic Fibrosis Foundation)	Synthesis and Distribution of CFTR Modulators	15-Jan-2018 - 15-Jan-2019	\$135,000.00
Bridges, Robert J	CFF (Cystic Fibrosis Foundation)	Biophysics and Pharmacology of Variant CFTR Anion Conductances	15-Apr-2018 - 14-Apr-2019	\$162,374.00
Bridges, Robert J	CFF (Cystic Fibrosis Foundation)	Optimization of Nasal Airway Cell Usage for CF Drug Discovery	15-Jan-2018 - 15-Jan-2019	\$390,059.00
Bridges, Robert J	Industry	Evaluating primary cultures of human nasal airway cells as a predictive model of CFTR drug efficacy	27-Dec-2017 - 26-Dec-2019	\$434,507.57
Dimitrov, Eugene	NIH (National Institutes of Health)	Amygdala and Pain-Associated Mood Disorders	01-Dec-2014 - 30-Nov-2018	\$390,000.00
Ebihara, Lisa	NIH (National Institutes of Health)	Regulation of Volume in the Lens	01-Aug-2016 - 31-Jul-2020	\$390,000.00
Riser, Bruce	University of Western Ontario	CCN (matricellular signaling protein family) based novel diagnostic for scleroderma	01-Feb-2018 - 26-Feb-2019	\$3,600.00

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Chicago Medical School				
PI Name	Agency	Title	Project Dates	Awarded Funds Current Budget Period
Urban, Janice	NIH (National Institutes of Health)	Maternal experience and stress resilience in females	15-May-2017 - 30-Apr-2019	\$168,334.00
Urban, Janice	NIH (National Institutes of Health)	Sex Differences in Amygdala Function	10-Dec-2013 - 30-Nov-2018	\$173,812.50
			<b>Department Total:</b>	<b>\$2,248,687.07</b>
Resuscitation Institute				
Gazmuri, Raul K	DOD (Department of Defense)	Sustained V1A Receptor Activation for Prolonged Hemodynamic Support and Neurological Protection After Non-Compressible Hemorrhage and Traumatic Brain Injury	30-Sep-2017 - 29-Sep-2020	\$756,509.00
			<b>Department Total:</b>	<b>\$756,509.00</b>

**FY2018 Drug Discovery Research Revenue was \$1,041,250**

# ROSALIND FRANKLIN UNIVERSITY *of* MEDICINE AND SCIENCE

College of Health Professions				
PI Name	Agency	Title	Project Dates	Awarded Funds Current Budget Period
<b>Nurse Anesthesia</b>				
McShane, Franklin	Health Resources and Services Administration	Nurse Anesthetist Traineeships	01-Jul-2017 - 30-Jun-2018	\$22,404.00
			<b>Department Total:</b>	<b>\$22,404.00</b>
<b>Physical Therapy</b>				
Schwertfeger, Julie	ALGH (Advocate Lutheran General Hospital)	Genetic variation, stress, and functional outcomes after stroke rehabilitation	01-Apr-2018 - 31-Mar-2019	\$20,572.00
			<b>Department Total:</b>	<b>\$20,572.00</b>
<b>Psychology</b>				
Hill, Scot	Yale University	3/5 Bipolar-Schizophrenia Network for Intermediate Phenotypes 2 (BSNIP-2)	01-Jul-2015 - 31-Mar-2019	\$23,635.00
Seidenberg, Michael	Cleveland Clinic	Immune Mechanisms Underlying the Neuroprotective Effects of Physical Activity in Human and Mouse Models of Genetic Risk for Alzheimers Disease	01-Sep-2017 - 31-May-2022	\$36,943.92
			<b>Department Total:</b>	<b>\$60,578.92</b>

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College of Pharmacy				
PI Name	Agency	Title	Project Dates	Awarded Funds Current Budget Period
<b>Pharmaceutical Sciences</b>				
Ahlschwede, Kristen	Academic Pharmaceuticals Inc.	Development of a novel lipid emulsion formulation	01-Mar-2018 - 28-Feb-2019	\$8,723.00
Buolamwini, John	NeuroLucent Inc.	Optimization of Novel Ryanodine Receptor Modulatory Compounds for AD	01-May-2018 - 30-Apr-2020	\$83,474.00
Buolamwini, John	NIH (National Institutes of Health)	Novel Drug Discovery for AD Targeting Ryanodine Calcium Channels	15-Aug-2016 - 30-Jun-2021	\$195,000.00
Buolamwini, John	University of Houston	Novel Small Molecule MDM2 Inhibitors for Pancreatic Cancer Therapy	01-Sep-2017 - 28-Feb-2019	\$31,375.00
Buolamwini, John	University of Houston	Novel Small Molecule MDM2 Inhibitors for Pancreatic Cancer Therapy	01-Sep-2017 - 28-Feb-2019	\$40,365.00
Buolamwini, John	NeuroLucent Inc.	Ryanodine Receptor Inhibitors as a Treatment for AD	01-Apr-2017 - 30-Jun-2018	\$114,836.00
Buolamwini, John	Alzheimer's Association	Intracellular Ca <sup>2+</sup> channels as a therapeutic target for AD drug discovery	01-Oct-2015 - 30-Sep-2018	\$22,504.00
Walters, D	Purdue University	Design and Synthesis of Nonpeptide Inhibitors of HIV Protease	01-Sep-2016 - 31-Aug-2021	\$15,600.00
			<b>Department Total:</b>	<b>\$511,877.00</b>



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Dr. William M. Scholl College of Podiatric Medicine				
PI Name	Agency	Title	Project Dates	Awarded Funds Current Budget Period
<b>Scholl</b>				
Rosenblatt, Noah	DOD (Department of Defense)	Targeting Balance Confidence as a Strategy to Increase Integration and Improve Outcomes in Users of Lower-Limb Prostheses	30-Sep-2017 - 29-Sep-2020	\$227,446.04
Rosenblatt, Noah	NIH (National Institutes of Health)	A modifiable Biomechanical Explanation for Obesity-Related Falls by Older Adults	05-Aug-2015 - 31-Jul-2018	\$80,397.00
Wu, Stephanie	TissueTech, Inc.	A Multicenter, Open Label Phase 2 Pilot Trial of Subjects with Complex Non-healing Diabetic Foot Ulcers Treated with Standard Care plus Cryopreserved Umbilical Cord Allograft (TTAX01)	03-Oct-2017 - 02-Oct-2019	\$56,043.75
Wu, Stephanie	NIH (National Institutes of Health)	Summer Research Fellowship Program for Podiatric Medical Students	01-May-2014 - 30-Apr-2019	\$57,620.00
			<b>Department Total:</b>	<b>\$363,886.79</b>

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## Projects Recommended for Awards

As of 6/30/2018

Chicago Medical School				
PI Name	Agency	Title	Project Dates	One Year Budget
<b>Cell Biology and Anatomy</b>				
Hastings, Michelle	HMS-McLean Hospital/NIH	Prevention of complement and immune-mediated Lewy body dementia	7/1/18 - 6/30/23	\$208,001.00
			<b>Department Total:</b>	<b>\$208,001.00</b>
<b>Microbiology and Immunology</b>				
Reynolds, Joesph	NIH (National Institutes of Health)	Molecular regulation of TLR2-mediated autoimmune inflammation	09/01/18 - 08/31/2023	\$390,000.00
			<b>Department Total:</b>	<b>\$390,000.00</b>
<b>Neuroscience</b>				
Stutzmann, Grace	NIH (National Institutes of Health)	Cellular and synaptic signaling mechanisms driving early AD pathology	8/1/18 - 7/31/19	\$390,000.00
Stutzmann, Grace	DOD (Department of Defense)	Identifying Common Underlying Mechanisms Driving Synaptic Deficits Between TBI and AD	8/1/18 - 7/31/21	\$259,136.67
			<b>Department Total:</b>	<b>\$649,136.67</b>
<b>Physiology and Biophysics</b>				
Bridges, Robert	Cystic Fibrosis Foundation	Synthesis and Distribution of CFTR Modulators	7/1/18 - 6/30/19	\$135,000.00
White, Carl	NIH (National Institutes of Health)	The contribution of perivascular adipose tissue macrophages to microvascular dysfunction in obesity	9/1/18 - 8/31/23	\$250,000.00
			<b>Department Total:</b>	<b>\$385,000.00</b>

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## Projects Recommended for Awards - Continued

College of Health Professions				
PI Name	Agency	Title	Project Dates	One Year Budget
<b>Psychology</b>				
Greenley, Rachel	Nationwide Childrens Hospital/NIH	Peer Mentoring to Improve Self-Management in Youth with IBD	9/1/18 - 8/31/25	\$103,669.00
			<b>Department Total:</b>	<b>\$103,669.00</b>
Dr. William M. Scholl College of Podiatric Medicine				
PI Name	Agency	Title	Project Dates	One Year Budget
<b>Scholl</b>				
Stephanie Wu	Medpace Clinical Research, Inc	A Mutliple-dose, Double-blind, Randomised, Placebo-controlled Study to Evaluate the Efficacy and Safety of Dysport for the Treatment of Pain Associated with Hallux Abducto Valgus	6/03/18 - 5/31/20	\$126,995.00
			<b>Department Total:</b>	<b>\$126,995.00</b>

# ROSALIND FRANKLIN UNIVERSITY *of* MEDICINE AND SCIENCE

## FY2018 Community and Education Grants

Project Manager/ Faculty Lead	Sponsor	Title/Program	Project Period	Amount
Marc Abel	Walgreens	Walgreens Diversity Scholarship; Walgreens Diversity Support Fd	12/13/2017 - 12/12/2018	\$12,000
Marc Abel	Albertsons Safeway	Albertsons Safeway Scholarship	4/18/2018 - 4/17/2019	\$5,000
Marc Abel	Albertsons Safeway	Albertsons Safeway Scholarship	10/2/2017 - 10/1/2018	\$6,600
Marc Abel	Topco Associates	Future of Pharmacy School Fund	5/16/2018 - 5/15/2019	\$3,500
Lisa Cowhey/ Michael Smith (RFUHC)	Grainger Foundation	Community Care Connection - Vehicle	1/1/2018 - 12/31/2018	\$100,000
Lisa Cowhey/ Michael Smith (RFUHC)	Grace Bersted Foundation	Community Care Connection	10/10/2017 - 9/31/2018	\$10,000
Lisa Cowhey/ Michael Smith (RFUHC)	North Shore Gas	Community Care Connection	8/8/2017 - 8/7/2018	\$10,000
Lisa Cowhey/ Michael Smith (RFUHC)	Healthcare Foundation of Northern Lake County	Community Care Connection	11/20/2017 - 11/19/2018	\$85,000
Philip Gianfortune	VNA Foundation	Scholl Podiatric Care for the Underserved Program	10/1/2017 - 9/31/2018	\$23,000
Ronald Kaplan	Gorter Family Foundation	The Rosalind Franklin University (RFU)/Lake Forest College (LFC) Summer Research Fellows Program	12/15/2017 - 12/14/2018	\$15,000

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Project Manager/ Faculty Lead	Sponsor	Title/Program	Project Period	Amount
Nancy L. Parsley	Dr. Scholl Foundation	Scholl Student Scholarships	12/19/2017 - 12/18/2018	\$125,000
Nancy L. Parsley	APMA Charitable Foundation	Scholl Student Scholarships	9/26/2017 - 9/18/2018	\$48,750
Hector Rasgado- Flores/ Jesus Ruiz	Gorter Family Foundation	INSPIRE Summer Research Program	12/15/2017 - 12/14/2018	\$20,000
Hector Rasgado- Flores/ Jesus Ruiz	Steans Family Foundation	INSPIRE Summer Research Program	06/29/2018 - 12/31/2018	\$21,000
Hector Rasgado- Flores/ Jesus Ruiz	Steans Family Foundation	INSPIRE Summer Research Program	8/14/2017 - 12/31/2017	\$9,000
Nutan Vaidya	Libertyville Sunrise Rotary	The Global Health Program/Travel Scholarships	5/18/2018 - 5/17/2019	\$2,000
			<b>Total:</b>	<b>\$495,850.00</b>