

This report summarizes the overall trends in grant and contract activity across all three campuses of the University of Michigan through the second month of Fiscal Year 2020, which ended August 31, 2019.

Figure 1 shows that total research expenditures through the second month of FY 2020 are up 5.8 percent when compared to the previous fiscal year.

The number of research submissions through August increased 2.9 percent, as shown in Figure 2, and Figure 3 shows the value of those submissions jumped 90.4 percent when compared to August 2018, which can be attributed to more substantial requests for research funding.

Figures 4 and 5 show the number of new research awards from external sponsors decreased 6.9 percent, and their value dipped by 41.7 percent. The university received several large research awards in July and August 2018, which explains the sharp decrease in award value.

Rebecca Cunningham, Interim Vice President for Research

Craig Reynolds, Executive Director, Office of Research and Sponsored Projects



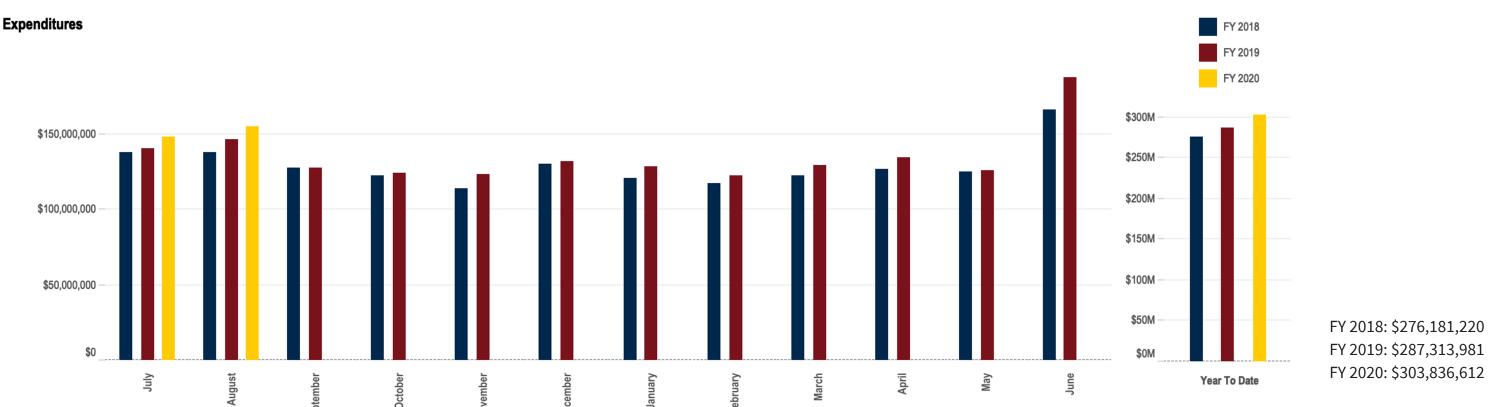
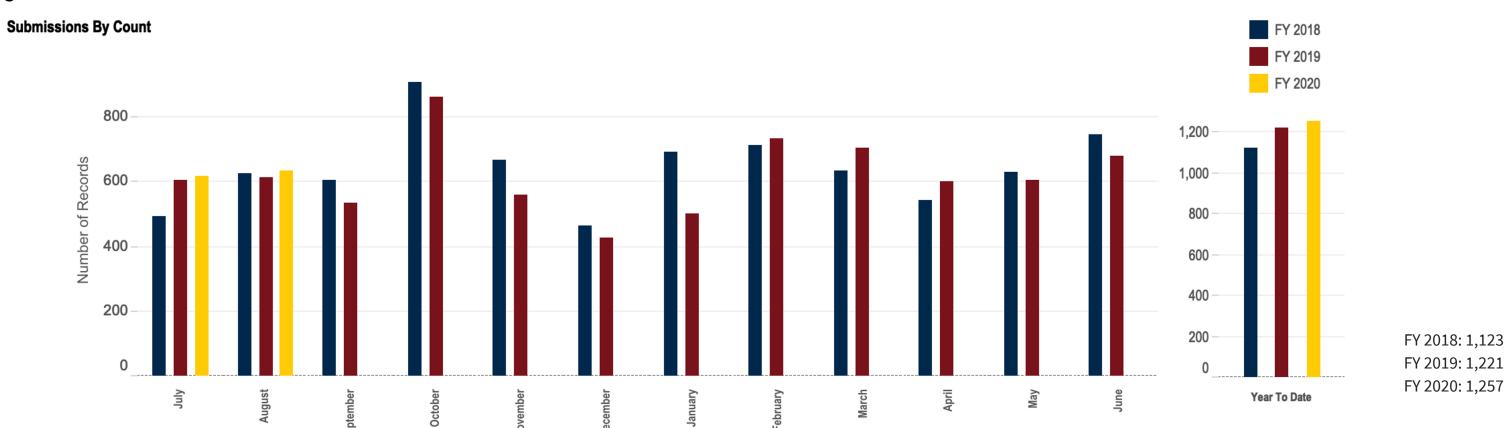


Figure 2



February

Мау

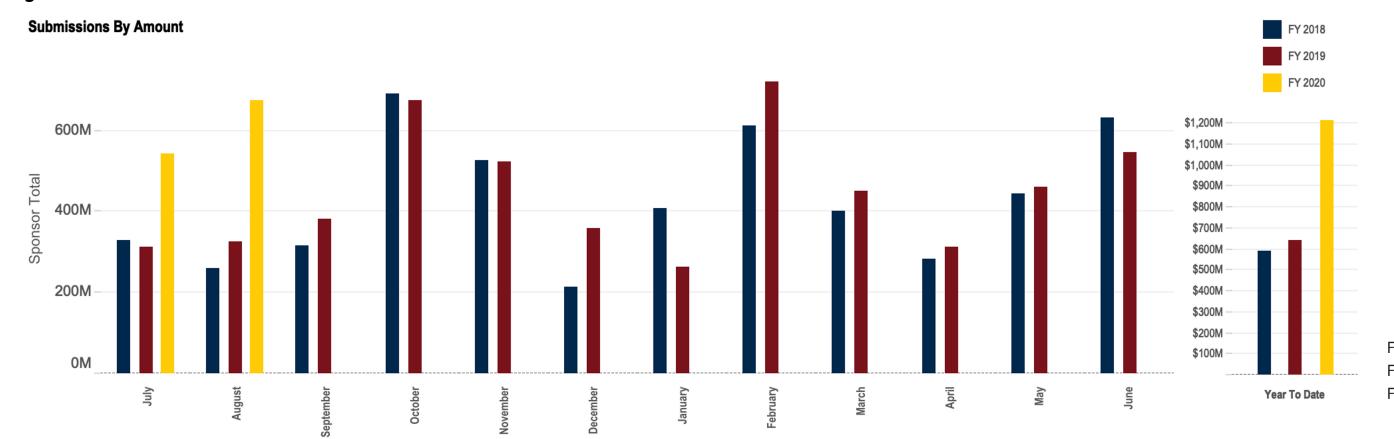
June

Year To Date

Figure 3

July

October



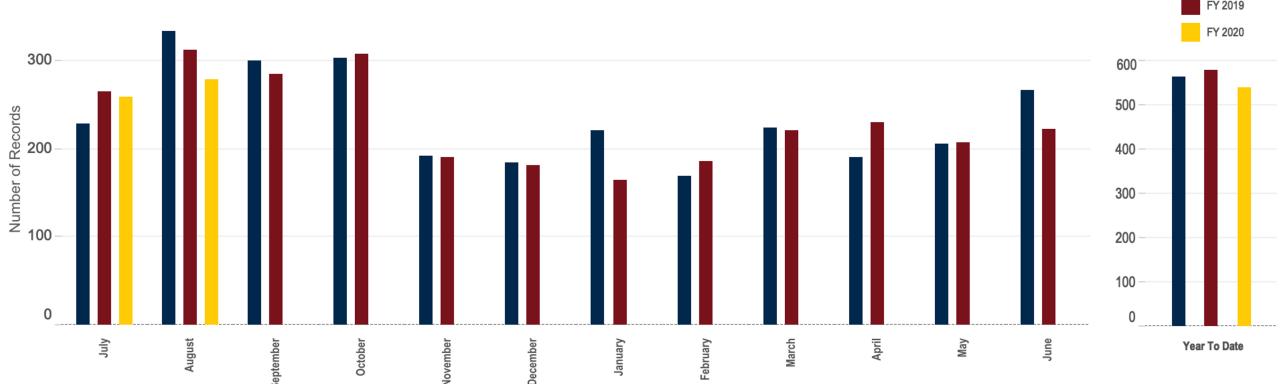
January

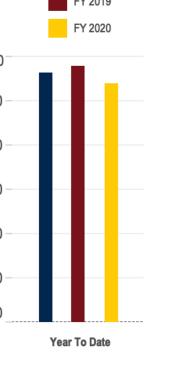
December

FY 2018: \$588,856,424 FY 2019: \$638,725,218 FY 2020: \$1,216,374,803

Figure 4





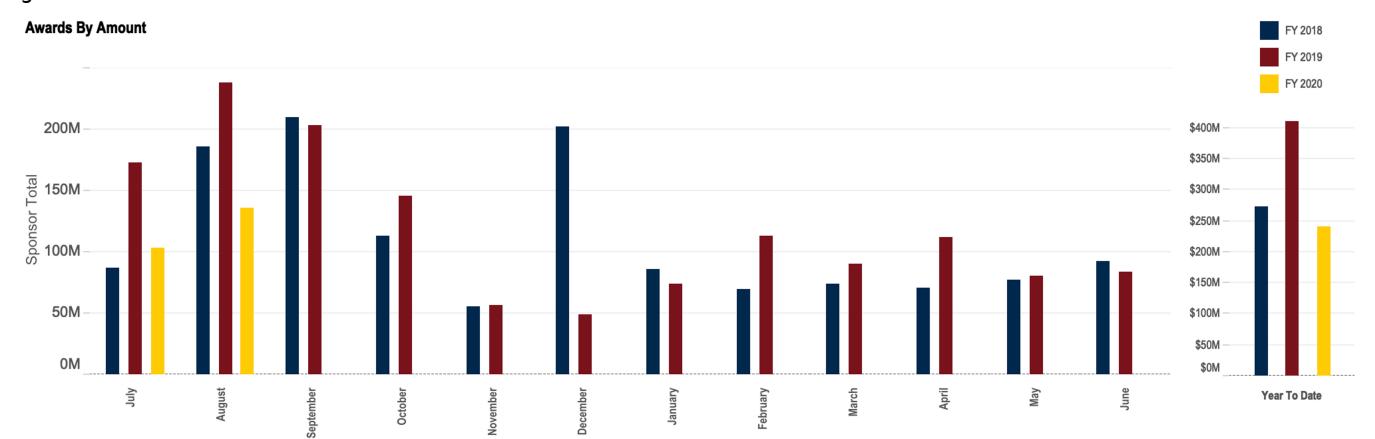


FY 2018

FY 2018: 563 FY 2019: 579

FY 2020: 539

Figure 5



FY 2018: \$271,676,654 FY 2019: \$411,016,224 FY 2020: \$239,653,527

Monk, Christopher Sinc-Pop., Neurodev. & Computational examination of RDoC threat and reward Genet. Monk, Christopher Sinc-Pop., Neurodev. & Computational examination of RDoC threat and reward constructs in a representative, prodominantly low-income. Since Pop., Neurodev. & Computational examination of RDoC threat and reward constructs in a representative. Prodominantly low-income. Since Pop., Neurodev. & Computational examination of RDoC threat and reward confidence in the computational examination. Since Pop., Neurodev. & Computational examination of RDoC threat and reward confidence in the computational examination. Since Pop., Neurodev. & Computational examination of RDoC threat and reward confidence in the computation of Pop., Neuropean Computational Products. Since Pop., Neurodev. & Computational Examination of Pop., Neuropean Computational Products. Since Pop., Neurodev. & Computational Products. Since Pop., Neuropean Computational Program Computational Program Services, Department Confidence in Confidence in Program Services, Department Confidence in Confidence in Science Confidence in Science Computation In Science Confidence in Science Confidence in Science Computation In Science Computation In Science Confidence In Science Confidence In Science Computation In Science Computation I	Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Monk, Christopher Organical sample at Increased risk for internalizing discovery internal policy and process of control and process of the p	Engel, James				\$10,906,515	4.8
Checkery (Annual Annual	Monk, Christopher		constructs in a representative, predominantly low-income,		\$6,723,780	4.9
Phillips, Tycel Oncology of Medical Engineering - Protein Course of tPA in the neurovascular unit of National Institutes of Health and Human Services, Department of National Institutes of Health and Human Services, Department of National Institutes of Health and Human Services, Department of National Institutes of Health (National Institutes of Health Services). Per Protein Capation of Protein Capation of the National Institutes of Health Services, Department of National Institutes of Health and Human Ser	Kretzler, Matthias	Int Med-Nephrology	CureGN		\$6,323,390	4.8
Ross, Brian Department of Radiology University of Michigan Quantitative Co-Clinical Imaging Research Resource Research Resource (Abational Institutes of Health and Human Services, Department of-National Institutes of Health and Human Services, Department of National Institutes of Health and Human Services, Department of National Institutes of Health and Human Services, Department of National Institutes of Health and Human Services, Department of National Institutes of Health Services	Phillips, Tycel		RANDOMIZED, CONTROLLED STUDY INVESTIGATING	Genentech, Inc.	\$4,597,118	6.0
Chen, Yuqing Int Med-Cardiology Using genetics to discover mechanisms of myocardial infarction of National Institutes of Health S2,985,725 3.9 Espinoza-Fonseca, Lennane Michel Int Med-Cardiology Hit-to-lead optimization for heart failure drug discovery Health and Human Services, Department S2,897,264 4.0 Espinoza-Fonseca, Lennane Michel DLHS Division of LKS The Knowledge-to-Treatment Optimization Program Michigan, State of, Health and Human Services, Department of National Institutes of Health Med-Cardiology Hit-to-lead optimization Program Michigan, State of, Health and Human Services, Department of National Institutes of Health Med-Gastroenterology Spatiotemporal multi-organ developmental maps from the Chan Zuckerberg Foundation S2,499,999 3.0 Liungman, Mats Radiation Oncology- Targeting the RNA Exosome for Cancer Therapeutics Health and Human Services, Department of Alvational Institutes of Health States of Health Institutes of Health Med-Cardiology Unraveling the role of tPA in the neurovascular unit Health and Human Services, Department S2,447,025 5.0 Andjelkovic- Connexia, A3 and hemorrhagic complication in cerebral amyloid angiopathry Pathology Department Connexia 43 and hemorrhagic complication in cerebral amyloid angiopathry Pathology Separtment Connexia 43 and hemorrhagic complication in cerebral definitional Institutes of Health Sciences Medical Engineering Protein Organelles In Human-Associated Bacteria Health and Human Services, Department S1,980,000 4.8 Esignic Cagri Ophthalmology & Visual Metabolic Reprogramming for Photoreceptor Health and Human Services, Department S1,980,000 4.8 Esignic Cagri Ophthalmology & Visual Metabolic Reprogramming for Photoreceptor Health and Human Services, Department S1,980,190 4.9 Esignic Cagri Ophthalmology & Visual Metabolic Reprogramming for Photoreceptor Health and Human Services, Department S1,791,580 4.9 Esignic Cagri Ophthalmology & Visual Metabolic Reprogramming Frogram in Basic Diabetes Health and Human Services, Department S1,791,580 4.9 Esignic	Taylor, Stephan	Psychiatry-ASAP	Multi-modal assessment of GABA function in psychosis		\$3,252,780	4.8
Espinoza-Fonseca, Lennane Michel Int Med-Cardiology Hit-to-lead optimization for heart failure drug discovery Health and Human Services, Department (RTOP) Spence, Jason Int Med-Gastroenterology Spatiotemporal multi-organ developmental maps from the Med-Gastroenterology Targeting the RNA Exosome for Cancer Therapeutics Health and Human Services, Department Spatial Spatial Medical Institutes of Health and Human Services, Department of National Institutes of Health Spatial Medical Institutes of Health Spatial Institutes of Health Sp	Ross, Brian	Department of Radiology			\$3,142,055	5.0
Lennane Michel Int Med-Cardiology Interbread optimization for heart nature drug discovery of-National Institutes of Health \$2,568,796\$ 1.0 Spence, Jason Int Med-Gastroenterology Spatiotemporal multi-organ developmental maps from the same individual same	Chen, Yuqing	Int Med-Cardiology	,		\$2,985,725	3.9
Spence, Jason Int Med-Gastroenterology Spatiotemporal multi-organ developmental maps from the Spence, Jason Int Med-Gastroenterology Spatiotemporal multi-organ developmental maps from the Spence, Jason Int Med-Gastroenterology Spatiotemporal multi-organ developmental maps from the Spence, Jason Int Med-Gastroenterology Spatiotemporal multi-organ developmental maps from the Spence, Jason Int Med-Gastroenterology Spatiotemporal multi-organ developmental maps from the Spence, Jason Int Med-Gastroenterology Spatiotemporal multi-organ developmental maps from the Spence, Jason Int Med-Gastroenterology Spatiotemporal multi-organ developmental maps from the Chan Zuckerberg Foundation Spatiotemporal multi-organ developmental maps from the Spatiotemporal multi-organ developmental maps from the Chan Zuckerberg Foundation Spatiotemporal multi-organ developmental maps from the Chan Zuckerberg Foundation Spatiotemporal multi-organ developmental maps from the Spatiotemporal multi-organ developmental maps from the Chan Zuckerberg Foundation Spatiotemporal multi-organ developmental maps from the Spatiotemporal multi-organ developmental maps from the Chantonal Institutes of Health Spational Spational Multi-organ developmental multi-organ developmental maps from the Integration of Spational Multi-organ developmental maps from the Integration of Spational Institutes of Health S	Espinoza-Fonseca, Lennane Michel	Int Med-Cardiology	Hit-to-lead optimization for heart failure drug discovery		\$2,897,264	4.0
Med-Gastroenterology same individual Chan 2uckerberg Poundation Sz.499,999 3.0 Ligngman, Mats Radiation Oncology - Can Bio Targeting the RNA Exosome for Cancer Therapeutics Health and Human Services, Department of-National Institutes of Health Pathology Department Connexin 43 and hemorrhagic complication in cerebral amyloid angiopathy Connexin 43 and hemorrhagic complication in cerebral amyloid angiopathy Andjelkovic-Cochowska, Anuska Pathology Department Connexin 43 and hemorrhagic complication in cerebral amyloid angiopathy Connexin 43 and hemorrhagic complication in cerebral amyloid angiopathy Als Besirli, Cagri Cophthalmology & Visual Metabolic Reprogramming for Photoreceptor Health and Human Services, Department of-National Institutes of Health Science Neuroprotection Health and Human Services, Department of-National Institutes of Health Science Neuroprotection Health and Human Services, Department of-National Institutes of Health Science Neuroprotection Health and Human Services, Department of-National Institutes of Health Science Neuroprotection Health and Human Services, Department of-National Institutes of Health Science Neuroprotection Health and Human Services, Department of-National Institutes of Health Science Neuroprotection Science Neuroprotection Health and Human Services, Department of-National Institutes of Health Science Neuroprotection Science Neuroprotection Science Science Neuroprotection Science Ne	Friedman, Charles	DLHS Division of LKS			\$2,568,796	1.0
Lawrence, Daniel Int Med-Cardiology Unraveling the role of tPA in the neurovascular unit of-National Institutes of Health \$2,418,376 3.8 Andjelkovic-Zochowska, Anuska Pathology Department Connexin 43 and hemorrhagic complication in cerebral amyloid angiopathy Connexin 43 and hemorrhagic complication in cerebral amyloid angiopathy Health and Human Services, Department of-National Institutes of Health Science	Spence, Jason			Chan Zuckerberg Foundation	\$2,499,999	3.0
Andjelkovic-Zochowska, Anuska Pathology Department Connexin 43 and hemorrhagic complication in cerebral amyloid angiopathy Pathology Department Connexin 43 and hemorrhagic complication in cerebral amyloid angiopathy Health and Human Services, Department of-National Institutes of Health S2,251,499 4.8 Besirli, Cagri Ophthalmology & Visual Science Ophthalmology & Visual Metabolic Reprogramming for Photoreceptor Health and Human Services, Department of-National Institutes of Health S1,950,000 4.8 Glessen, Tobias Biomedical Engineering - MS Fallahi Sichani, Mohammad Biomedical Engineering - Decoding the Logic of Cellular Signaling Through the Integration of Dynamic, Single-Cell and Multiplexed Methods Elivin, Kara Psych HithSvc Outcome Research Relationship between mental health coverage and outcomes for privately insured women with perinatal mood and anxiety disorders (PMAD) MacDougald, Ormond Metabolism, Endo & Multidisciplinary Training Program in Basic Diabetes Environmental Health Sciences Advanced Micro Collector-Injector RIDIR: Developing and Deploying the Criminal Justice National Science Foundation National Science Foundation S2,251,499 4.8 4.8 4.8 4.8 4.8 4.8 4.8	Ljungman, Mats		Targeting the RNA Exosome for Cancer Therapeutics		\$2,447,025	5.0
Anuska Anuska Pathology Department amyloid angiopathy of-National Institutes of Health \$2,231,499 4.5 amyloid angiopathy of-National Institutes of Health \$2,231,499 4.5 amyloid angiopathy of-National Institutes of Health \$1,950,000 4.8 amyloid angiopathy of-National Institutes of Health \$1,950,000 4.9 amyloid angiopathy of-National Institutes of Health \$1,791,580 4.9 a	Lawrence, Daniel	Int Med-Cardiology	Unraveling the role of tPA in the neurovascular unit		\$2,418,376	3.8
Science Neuroprotection of-National Institutes of Health \$1,908,130 4.9 Biomedical Engineering - MS Protein Organelles In Human-Associated Bacteria MS Health and Human Services, Department of-National Institutes of Health health and Human Services, Department of-National Institutes of Health health and Human Services, Department of-National Institutes of Health health and Human Services, Department of-National Institutes of Health health and Human Services, Department of-National Institutes of Health	Andjelkovic- Zochowska, Anuska	Pathology Department			\$2,251,499	4.8
Fallahi Sichani, Mohammad Biomedical Engineering - Decoding the Logic of Cellular Signaling Through the Integration of Dynamic, Single-Cell and Multiplexed Methods Zivin, Kara Psych HithSvc Outcome Research MacDougald, Ormond Metabolism, Endo & Diabetes Multidisciplinary Training Program in Basic Diabetes Decoding the Logic of Cellular Signaling Through the Integration of Dynamic, Single-Cell and Multiplexed Methods Health and Human Services, Department of-National Institutes of Health \$1,791,580 4.9 Health and Human Services, Department of-National Institutes of Health \$1,722,316 3.8 Accougald, Ormond Metabolism, Endo & Diabetes Diabetes Diabetes Advanced Micro Collector-Injector Multidisciplinary Training Program in Basic Diabetes Research Advanced Micro Collector-Injector SRI International Signaling Through the Health and Human Services, Department of-National Institutes of Health \$1,791,580 4.9 4.9 Accounts of Health and Human Services, Department of-National Institutes of Health \$1,714,386 5.0 Accounts of Health and Human Services, Department of-National Institutes of Health \$1,714,386 5.0 Accounts of Health and Human Services, Department of-National Institutes of Health and Human Services, Department of-National Institut	Besirli, Cagri				\$1,950,000	4.8
Health and Human Services, Department of-National Institutes of Health Psych HithSvc Outcome Research Relationship between mental health coverage and outcomes for privately insured women with perinatal mood and anxiety disorders (PMAD) MacDougald, Ormond Metabolism, Endo & Diabetes Multidisciplinary Training Program in Basic Diabetes Pesearch Mornond Mor	Giessen, Tobias		Protein Organelles In Human-Associated Bacteria		\$1,908,130	4.9
Zivin, Kara Psych HithSvc Outcome Research Outcomes for privately insured women with perinatal mood and anxiety disorders (PMAD) MacDougald, Ormond Metabolism, Endo & Diabetes Diabetes Multidisciplinary Training Program in Basic Diabetes Research Multidisciplinary Training Program in Basic Diabetes Research Multidisciplinary Training Program in Basic Diabetes Research SRI International \$1,722,316 \$1,722,316 \$1,714,386 \$5.0 Multidisciplinary Training Program in Basic Diabetes Research SRI International \$1,699,997 1.7 Mueller-Smith, Pop Studies-Research RIDIR: Developing and Deploying the Criminal Justice National Science Foundation \$1,699,718 4.0	Fallahi Sichani, Mohammad		Integration of Dynamic, Single-Cell and Multiplexed		\$1,791,580	4.9
Ormond Diabetes Research of-National Institutes of Health Zellers, Edward Environmental Health Sciences Advanced Micro Collector-Injector SRI International \$1,699,997 1.7 Mueller-Smith, Pop Studies Research RIDIR: Developing and Deploying the Criminal Justice National Science Equipolation \$1,659,718 4.0	Zivin, Kara		outcomes for privately insured women with perinatal mood		\$1,722,316	3.8
Advanced Micro Collector-Injector SRI International \$1,699,997 1.7 Mueller-Smith, Pop Studies-Research RIDIR: Developing and Deploying the Criminal Justice National Science Foundation \$1,699,997 1.7	MacDougald, Ormond				\$1,714,386	5.0
	Zellers, Edward		Advanced Micro Collector-Injector	SRI International	\$1,699,997	1.7
	Mueller-Smith, Michael	Pop Studies-Research		National Science Foundation	\$1,659,718	4.0