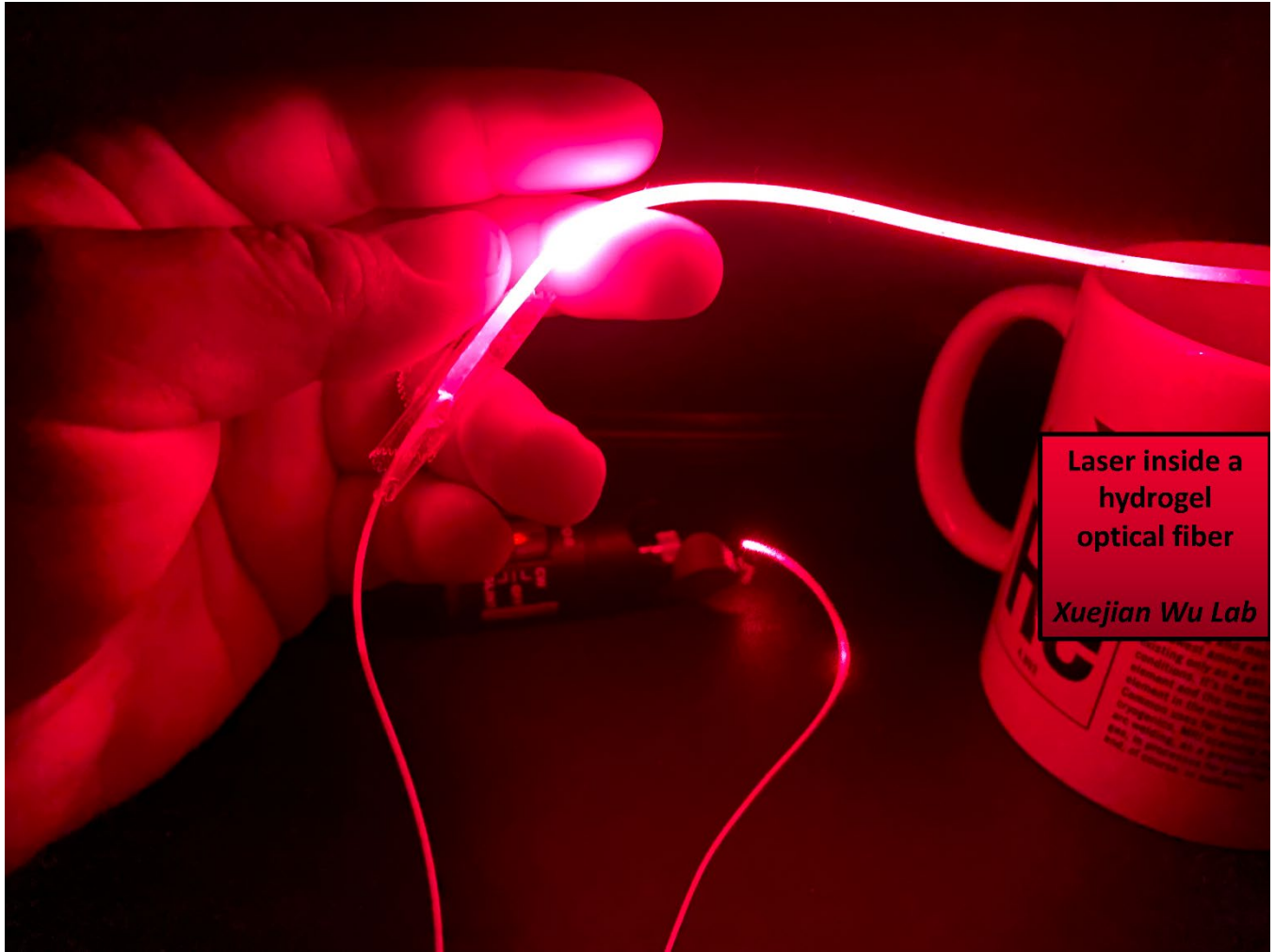


# RUTGERS

Research Office | Newark



Laser inside a  
hydrogel  
optical fiber

*Xuejian Wu Lab*

## FY2021 ANNUAL REPORT Office of Research & Sponsored Programs

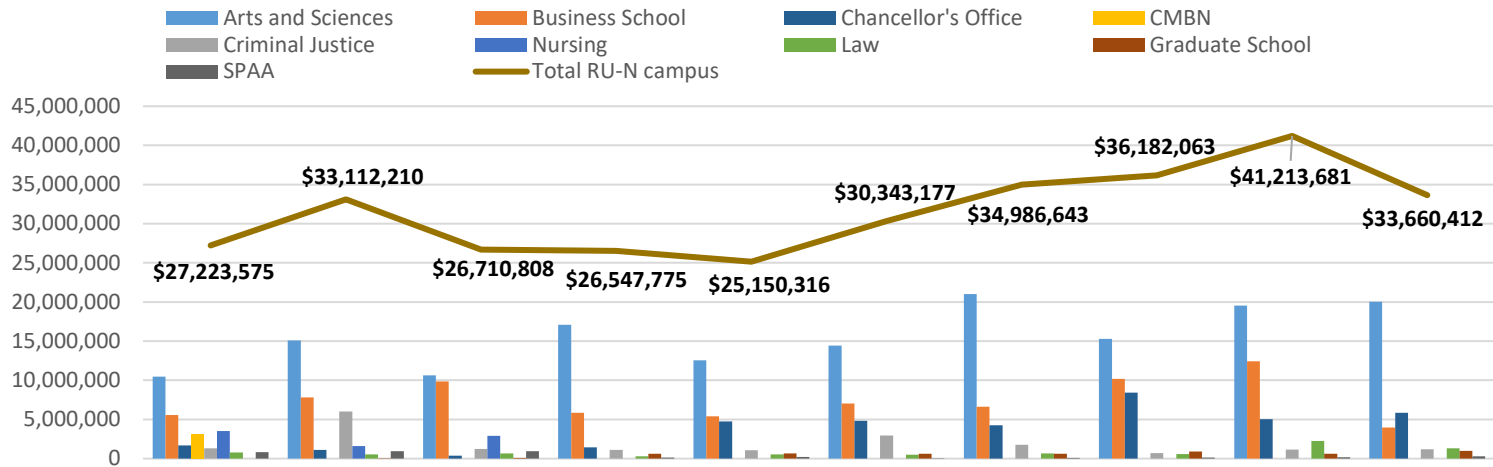
July 1, 2020 - June 30, 2021

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## External Funding for RU-N 2012 - 2021



	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21
Arts and Sciences	10,470,287	15,075,905	10,647,978	17,107,628	12,562,025	14,424,320	20,999,942	15,281,328	19,561,519	20,029,068
Business School	5,545,105	7,815,486	9,848,476	5,862,114	5,383,565	7,018,806	6,625,645	10,174,520	c. 12,447,587	3,984,124
Chancellor's Office	1,681,959	1,100,694	378,525	1,418,466	4,738,992	4,823,659	4,235,607	8,408,843	5,015,016	5,863,487
CMBN	3,102,971	a.								
Criminal Justice	1,305,723	5,995,505	1,234,996	1,092,326	1,051,300	2,928,770	1,749,228	708,075	1,167,916	1,188,657
Nursing	3,508,129	1,612,780	2,912,495	b.						
Law	792,853	533,284	650,623	297,266	535,000	479,197	645,896	580,616	2,233,354	1,308,461
Graduate School		42,000	90,000	635,775	663,996	626,225	626,225	921,181	626,225	976,567
SPAA	816,548	936,556	947,716	134,200	215,438	42,200	104,100	107,500	162,064	310,048
<b>Total RU-N campus</b>	<b>27,223,575</b>	<b>33,112,210</b>	<b>26,710,808</b>	<b>26,547,775</b>	<b>25,150,316</b>	<b>30,343,177</b>	<b>34,986,643</b>	<b>36,182,063</b>	<b>41,213,681</b>	<b>33,660,412</b>

**Notes:** a. CMBN was an independent center at Rutgers University–Newark until 9/1/2012, when it joined the School of Arts and Sciences  
b. Nursing joined RBHS with the merger of UMDNJ 7/1/13  
c. Rutgers Business School received a five-year \$5M award in FY20 with the entire amount allocated

## Award Data FY2020 - FY2021

FY20 – FY21 Awards	FY2020	FY2021
SCHOOL NAME/ DEPARTMENT	Total	Total
<b>Chancellor-Newark</b>	<b>5,015,016</b>	<b>5,863,487</b>
Chancellor-Newark	342,142	2,084,000
Abbott Leadership Institute	286,375	494,050
Academic Foundations Center	518,834	536,993
Center for Precollege Programs	1,179,267	864,240
Cornwall Center for Metropolitan Studies	1,375,978	929,919
Counseling Center	789,569	394,785
Express Newark		15,000
Honors Living and Learning Community	300,000	360,000
Office of University Community Partnerships	203,150	148,500
P3 Collaboratory		8,000
Paul Robeson Gallery	19,701	28,000
<b>School of Arts &amp; Sciences - Newark</b>	<b>19,561,519</b>	<b>20,029,068</b>
African American and African Studies		233,000
Biological Sciences	2,763,881	1,946,114
Center for Migration and the Global City	35,000	25,000
Center for Molecular & Behavioral Neuroscience	5,271,962	8,203,195
Chemistry	1,804,008	2,546,842
Clement Price Institute	67,200	74,000
Earth & Environmental Sciences	1,343,342	1,552,463
Economics	26,825	27,512
English	1,518,685	40,000
History	22,342	
Humanities Action Lab	50,000	560,202
Mathematics & Computer Science	2,218,393	3,327,380
New Arts Justice		17,500
Physics	942,975	110,000
Political Science		26,325
Psychology	3,047,935	767,924
Urban Education	448,971	561,611

<b>FY20 – FY21 Awards</b>	<b>FY2020</b>	<b>FY2021</b>
<b>Rutgers Business School</b>	<b>12,447,587</b>	<b>3,984,124</b>
<b>SCHOOL NAME/ DEPARTMENT</b>	<b>TOTAL</b>	<b>TOTAL</b>
Accounting, Business Ethics and Information Systems		16,990
Center for Urban Entrepreneurship & Economic Development	190,000	1,197,500
Dean's Office	1,431,974	791,425
Institute for Ethical Leadership	60,000	261,000
Management and Global Business		30,898
Management Science & Computer Information Studies	638,356	325,068
Public Private Community Partnership Program		71,725
Rutgers Advanced Institute for the Study of Entrepreneurship and Development (RAISED)	556,500	
Rutgers Institute for Data Science, Learning, and Applications	581,705	471,251
Small Business Development Center	8,923,526	760,000
Supply Chain Management	65,526	58,267
<b>School of Criminal Justice</b>	<b>1,167,916</b>	<b>1,188,657</b>
<b>Graduate School-Newark</b>	<b>626,225</b>	<b>976,567</b>
<b>Law School-Newark</b>	<b>2,233,354</b>	<b>1,308,461</b>
<b>School of Public Affairs &amp; Administration</b>	<b>162,064</b>	<b>310,048</b>
<b>Total</b>	<b>\$41,213,681</b>	<b>\$33,660,412</b>

### Percentage of total RU-N awards by School, FY19 – FY21

	FY19		FY20		FY 21		% of Total FY19 – FY21
	\$	%	\$	%	\$	%	
<b>SASN</b>	15,281,328	60%	19,561,519	47%	20,029,068	60%	49%
<b>RBS</b>	10,174,520	19%	11,865,882	29%	3,984,124	12%	23%
<b>Chancellor</b>	8,408,843	12%	5,596,721	14%	5,863,487	17%	18%
<b>SCJ</b>	700,575	5%	1,167,916	3%	1,188,657	4%	3%
<b>Law</b>	550,616	2%	2,233,354	5%	1,308,461	4%	4%
<b>Graduate School</b>	921,181	2%	626,225	2%	976,567	3%	2%
<b>SPAA</b>	57,500	0%	162,064	0%	310,048	1%	0%
<b>Total</b>	<b>36,094,563</b>	<b>100%</b>	<b>41,213,681</b>	<b>100%</b>	<b>33,660,412</b>	<b>100%</b>	<b>100%</b>

### FY2020 Awards by amount (\$) and number (#) By source and RU-N unit

RU-N unit	Federal		Foundation		New Jersey		Corporations		Total	
	\$	#	\$	#	\$	#	\$	#	\$	#
<b>SASN</b>	13,788,193	42	4,237,952	38	1,385,372	8	150,002	2	19,561,519	90
<b>RBS</b>	9,622,708	7	1,652,648	4	325,526	3	265,000	2	11,865,882	16
<b>Chancellor</b>	1,890,183	9	1,183,316	20	1,773,222	7	750,000	2	5,596,721	38
<b>SCJ</b>	0	0	463,916	4	158,000	2	546,000	2	1,167,916	8
<b>Law</b>	95,000	1	361,000	3	1,777,354	3	0	0	2,233,354	7
<b>Grad School</b>	626,225	1	0	0	0	0	0	0	626,225	1
<b>SPAA</b>	0	0	126,702	6	35,362	2	0	0	162,064	8
<b>Total</b>	<b>26,022,309</b>	<b>60</b>	<b>8,025,534</b>	<b>75</b>	<b>5,454,836</b>	<b>25</b>	<b>1,711,002</b>	<b>8</b>	<b>41,213,681</b>	<b>168</b>
<b>RU-N funding by source</b>	<b>63%</b>	<b>36%</b>	<b>19%</b>	<b>45%</b>	<b>13%</b>	<b>15%</b>	<b>4%</b>	<b>5%</b>	<b>100%</b>	<b>100%</b>

### FY2021 Awards by Amount (\$) and Number (#) By source and RU-N unit

RU-N unit	Federal		Foundation		New Jersey		Corporations		Total	
	\$	#	\$	#	\$	#	\$	#	\$	#
<b>SASN</b>	16,159,471	45	2,860,568	50	272,765	5	736,264	6	20,029,068	106
<b>RBS</b>	1,761,008	10	913,124	10	803,267	3	506,725	7	3,984,124	30
<b>Chancellor</b>	1,832,844	6	2,450,439	19	1,330,204	8	250,000	1	5,863,487	34
<b>SCJ</b>	0	0	1,122,447	5	63,210	1	3,000	1	1,188,657	7
<b>Law</b>	97,354	2	161,108	3	1,049,999	2	0	0	1,308,461	7
<b>Grad School</b>	976,567	2	0	0	0	0	0	0	976,567	2
<b>SPAA</b>	7,000	1	303,048	8	0	0	0	0	310,048	9
<b>Total</b>	<b>20,834,244</b>	<b>66</b>	<b>7,810,734</b>	<b>95</b>	<b>3,519,445</b>	<b>19</b>	<b>1,495,989</b>	<b>15</b>	<b>33,660,412</b>	<b>195</b>
<b>RU-N funding by source</b>	<b>62%</b>	<b>34%</b>	<b>23%</b>	<b>49%</b>	<b>10%</b>	<b>10%</b>	<b>4%</b>	<b>8%</b>	<b>100%</b>	<b>100%</b>

## FY2022 Internal Awards

SCHOOL NAME/ DEPARTMENT	Amount	Number
<b>School of Arts &amp; Sciences - Newark</b>	<b>296,400</b>	<b>17</b>
African American and African Studies	3,000	1
Arts Culture and Media	7,750	2
Biological Sciences	40,000	1
Center for Molecular & Behavioral Neuroscience	80,000	2
Chemistry	80,000	2
Earth and Environmental Sciences	14,840	1
Economics	10,800	3
English	9,800	1
History	9,350	2
Social Work	4,860	3
Sociology and Anthropology	36,000	2
<b>Chancellor's Office</b>	<b>10,000</b>	<b>1</b>
Office of University Community Partnerships	10,000	1
<b>Rutgers Business School</b>	<b>9,200</b>	<b>2</b>
Supply Chain Management	9,200	2
<b>School of Criminal Justice</b>	<b>7,532</b>	<b>1</b>
<b>School of Public Affairs &amp; Administration</b>	<b>5,000</b>	<b>1</b>
<b>Total</b>	<b>\$328,132</b>	<b>22</b>

Sources of Internal Funding	\$328,132	22
Busch Biomedical	<b>200,000</b>	<b>5</b>
Rutgers Global	<b>38,372</b>	<b>5</b>
Initiative for Humanities, Arts, Social Sciences, and Business Research Teams (IHASSRT)	<b>36,000</b>	<b>1</b>
Research Council	<b>33,960</b>	<b>9</b>
Rutgers Global Health Institute	<b>10,000</b>	<b>1</b>
Center for COVID-19 Response and Pandemic Preparedness	<b>9,800</b>	<b>1</b>

**FY20 – FY21 Submitted proposals**

**FY2020**

**FY2021**

<b>SCHOOL NAME/ DEPARTMENT</b>	<b>Total</b>	<b>Total</b>
<b>Chancellor-Newark</b>	<b>4,202,743</b>	<b>5,692,472</b>
Chancellor-Newark	265,745	1,848,669
Abbott Leadership Institute	299,050	204,500
Academic Foundations Center	265,802	
Academic Programs and Services		20,000
Career Development and Placement Services		100,000
Center for Precollege Programs	294,269	888,984
Joseph C. Cornwall Center for Metropolitan Studies	1,325,275	2,329,482
Counselling Center	789,569	
Express Newark	135,173	15,000
Honors Living and Learning Community	300,000	140,000
Office of University Community Partnerships	393,458	13,300
P3 Collaboratory		5,000
Paul Robeson Art Gallery	34,402	28,000
Student Affairs	100,000	99,537
<b>School of Arts &amp; Sciences - Newark</b>	<b>26,409,998</b>	<b>29,021,405</b>
African American and African Studies	15,184	55,500
Arts, Culture and Media	99,974	174,978
Biological Sciences	6,054,050	8,258,189
Center for Migration and the Global City	60,000	39,000
Center for Molecular & Behavioral Neuroscience	7,893,254	7,346,029
Chemistry	3,000,070	1,253,467
Clement A. Price Institute on Ethnicity, Culture, and the Modern Experience	90,000	321,056
Division of Global Affairs		10,000
Earth & Environmental Sciences	1,529,416	1,509,283
Economics		357,595
English	768,684	40,000
History	55,000	220,385
Humanities Action Lab	362,096	30,234
Mathematics & Computer Science	1,270,840	1,127,185
New Arts Justice		17,500
Physics	136,819	1,183,242
Political Science	29,767	68,125
Psychology	4,282,130	6,920,835
Social Work	191,353	



<b>SCHOOL NAME/ DEPARTMENT</b>	<b>FY2020 TOTAL</b>	<b>FY2021 TOTAL</b>
Spanish and Portuguese Studies		75,000
Urban Education	571,361	13,802
<b>Rutgers Business School</b>	<b>16,996,890</b>	<b>10,627,599</b>
Accounting, Business Ethics and Information Systems		16,982
Institute for Data Science, Learning and Applications	655,934	3,279,237
Institute for Ethical Leadership	60,000	201,000
Management and Global Business		30,898
Management Science & Computer Information Systems	829,925	560,417
RBS Center for Urban Entrepreneurship and Economic Development	1,007,523	1,250,780
RBS OPPCP		182,877
RBS-RAISED	5,614,771	335,153
Rutgers Business School	713,209	85,000
Small Business Development Center HQ	8,115,528	4,420,763
Supply Chain Management	34,950	264,492
<b>School of Criminal Justice</b>	<b>2,761,762</b>	<b>2,389,272</b>
<b>Graduate School-Newark</b>	<b>517,160</b>	<b>47,845</b>
<b>Law School-Newark</b>	<b>1,044,504</b>	<b>3,352,829</b>
<b>School of Public Affairs &amp; Administration</b>	<b>542,127</b>	<b>481,157</b>
<b>Total Request</b>	<b>\$52,475,184</b>	<b>\$51,612,579</b>

Percentage of total \$ requested by School, FY19 – FY21							
	FY 19		FY 20		FY 21		% of Total \$ FY19 – FY21
	\$	%	\$	%			
SASN	33,142,223	64%	26,409,998	50%	29,021,405	56%	61%
RBS	8,764,319	17%	16,340,956	31%	10,627,599	21%	20%
Chancellor	8,559,255	16%	4,858,677	9%	5,692,472	11%	13%
SCJ	576,842	1%	2,761,762	5%	2,389,272	5%	3%
Law	319,016	1%	1,044,504	2%	3,352,829	6%	1%
Graduate School	584,298	1%	517,160	1%	47,845	0%	1%
SPAA	95,000	0%	542,127	1%	481,157	1%	1%
<b>Total</b>	<b>52,040,953</b>	<b>100%</b>	<b>52,475,184</b>	<b>100%</b>	<b>51,612,579</b>	<b>100%</b>	<b>100%</b>

FY 2020 Submitted Proposals by Request Amount (\$) and Number (#) By source and RU-N unit										
	Federal		Foundation		New Jersey		Corporations		Total	
	\$	#	\$	#	\$	#	\$	#	\$	#
SASN	20,666,262	78	4,401,206	60	926,530	8	416,000	4	26,409,998	150
RBS	9,497,873	13	6,227,838	7	260,000	2	355,245	8	16,340,956	30
Chancellor	1,191,477	6	1,703,229	21	1,538,971	5	425,000	2	4,858,677	34
SCJ	393,764	3	1,980,788	12	81,210	2	306,000	2	2,761,762	19
Law	100,000	1	213,420	3	731,084	2	0	0	1,044,504	6
Grad School	517,160	2	0	0	0	0	0	0	517,160	2
SPAA	83,469	2	423,296	12	35,362	2	0	0	542,127	16
<b>Total</b>	<b>32,450,005</b>	<b>105</b>	<b>14,949,777</b>	<b>115</b>	<b>3,573,157</b>	<b>21</b>	<b>1,502,245</b>	<b>16</b>	<b>52,475,184</b>	<b>257</b>
RU-N funding by source	62%	41%	28%	45%	7%	8%	3%	6%	100%	100%

FY 2021 Submitted Proposals by Request Amount (\$) and Number (#) By source and RU-N unit										
	Federal		Foundation		New Jersey		Corporations		Total	
	\$	#	\$	#	\$	#	\$	#	\$	#
SASN	24,540,192	99	3,935,254	61	99,570	5	446,389	5	29,021,405	170
RBS	7,413,333	9	1,078,823	13	1,088,127	5	1,047,316	12	10,627,599	39
Chancellor	554,750	2	3,877,032	31	1,160,690	10	100,000	1	5,692,472	44
SCJ	147,271	2	1,842,001	9			400,000	2	2,389,272	13
Law	0	0	2,602,830	3	749,999	1	0	0	3,352,829	4
Grad School	47,845	1	0	0			0	0	47,845	1
SPAA	299,225	5	181,932	10	0	0	0	0	481,157	15
<b>Total</b>	<b>33,002,616</b>	<b>119</b>	<b>13,517,872</b>	<b>125</b>	<b>3,098,386</b>	<b>21</b>	<b>1,993,705</b>	<b>21</b>	<b>51,612,579</b>	<b>286</b>
RU-N funding by source	64%	42%	26%	44%	6%	7%	4%	7%	100%	100%

## **Research Advisory Committee, 2020 - 2021**

### **Chair**

**Piotr Piotrowiak**, Vice Chancellor for Research & Collaborations  
and Professor, Chemistry, SAS-N

**Paul Boxer**, Professor, Psychology, SAS-N; Co-Director, Center on Youth Violence and  
Juvenile Justice

**Bonnie Fong**, Physical Sciences Librarian and Head of Emerging Technologies, Dana Library

**Wilma Friedman**, Professor and Chair, Biological Sciences, SAS-N

**Yuan Gao**, Professor, Earth & Environmental Sciences, SAS-N

**Bart Krekelberg**, Associate Director and Associate Professor, Center for Molecular and  
Behavioral Neuroscience, SAS-N

**Gregory Porumbescu**, Associate Professor, School of Public Affairs and Administration, and  
interim Executive Director of the New Jersey Policy Lab, and Associate Director of the  
Transparency and Governance Center.

**Jaideep Vaidya**, RBS Dean's Research Professor of Computer Information Systems,  
Management Science & Information Systems, Rutgers Business School

**Miklos Vasarhelyi**, KPMG Distinguished Professor of Accounting Information Systems,  
Director of Rutgers Accounting Research Center, and Director, Continuous Auditing &  
Reporting Lab (CAR Lab), Rutgers Business School

**Hui Xiong**, RBS Dean's Research Professor, Management Science & Information Systems,  
Rutgers Business School

**The Rutgers University-Newark (RU-N) Office of Research and Sponsored Programs (ORSP)** provides support to faculty, students, and staff from across RU-N who are working to secure external funding for their research projects and academic programs.

***How Can We Help?*** RU-N ORSP's staff members are available to meet with you to talk about your research and academic project interests and connect you to various resources designed to help you find funding and collaborative opportunities. We welcome researchers at all levels of expertise and look forward to talking with you about a specific proposal as well as exploring ideas and possibilities for support of your research, outreach, training, and other academic projects. Please contact us to arrange an individual meeting, a presentation, or a seminar for small groups.

<b>Letitia Dean</b> , Assistant Director	<a href="mailto:deanle@rutgers.edu">deanle@rutgers.edu</a>	973-353-1538
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You may want to explore some **on-line resources and databases** available to all members of the RU-N community even before meeting with us. These include:

- ***Pivot*** contains information on over 25,000 funding opportunities for over \$50 billion. These awards are available from federal, state, and foundation funding sources. In addition, personal profiles may be created which allow users to have a personal research profile.
- ***grants.gov*** lists federal grant funding opportunities (<https://www.grants.gov/web/grants/search-grants.html>)
- ***Foundation Directory Online*** (<http://www.libraries.rutgers.edu/indexes/fconline>) The *Foundation Directory Online (Professional)* provides information on more than 100,000 foundations, corporate giving programs, and grant making public charities in the US.
- ***GRADFUND*** (<http://gradfund.rutgers.edu/index.php>) provides valuable information and resources for graduate students as well as a database of grant opportunities.

Do you have questions about how to interpret institutional and sponsor policies and regulations? Please consult our website (<http://researchoffice.newark.rutgers.edu/>) or give us a call. We can help you find the policy and the policy professional best prepared to address your needs.

We look forward to working with you!

**Piotr Piotrowiak**, Vice Chancellor for Research & Collaborations, [piotr@newark.rutgers.edu](mailto:piotr@newark.rutgers.edu), 973-353-1537

Visit us at Blumenthal Hall, Suite 206, 249 University Avenue and <https://researchoffice.newark.rutgers.edu/>