

**Monthly Proposals Report for May 2018**  
**Office of Grants and Contracts, University of North Texas**

| <b>Proposals Total by College</b>                | <b>May 2017</b>     | <b>May 2018</b>      | <b>YTD FY2017</b>     | <b>YTD FY2018</b>     |
|--|---------------------|----------------------|-----------------------|-----------------------|
| College of Arts and Sciences                     | \$ -                | \$ -                 | \$ 71,522,130         | \$ -                  |
| College of Business                              | \$ -                | \$ 159,354           | \$ 2,296,134          | \$ 930,795            |
| College of Education                             | \$ 197,845          | \$ 661,631           | \$ 11,785,106         | \$ 7,055,723          |
| College of Engineering                           | \$ 989,814          | \$ 10,155,270        | \$ 60,683,542         | \$ 86,363,109         |
| College of Health & Public Service (prev. PACS)  | \$ 41,932           | \$ 1,925,374         | \$ 5,551,155          | \$ 4,915,205          |
| College of Information                           | \$ 50,000           | \$ 159,354           | \$ 4,005,228          | \$ 5,311,901          |
| College of Liberal Arts & Social Sciences        | \$ -                | \$ -                 | \$ -                  | \$ 17,250,296         |
| College of Merchandising Hospitality and Tourism | \$ -                | \$ -                 | \$ 647,032            | \$ 133,033            |
| College of Music                                 | \$ -                | \$ -                 | \$ 20,001             | \$ 74,485             |
| College of Science                               | \$ 1,117,318        | \$ 4,809,159         | \$ 1,117,318          | \$ 39,650,501         |
| College of Visual Arts and Design                | \$ -                | \$ 11,665            | \$ -                  | \$ 228,665            |
| School of Journalism                             | \$ -                | \$ -                 | \$ 156,188            | \$ 94,938             |
| Other <sup>1</sup>                               | \$ 162,923          | \$ 43,000            | \$ 6,202,540          | \$ 1,471,449          |
| <b>Grand Total:</b>                              | <b>\$ 2,559,831</b> | <b>\$ 17,924,808</b> | <b>\$ 163,986,374</b> | <b>\$ 163,480,101</b> |

**Proposals Total by Category**

|  |                     |                      |                       |                       |
|--|---------------------|----------------------|-----------------------|-----------------------|
| Instruction                            | \$ 110,011          | \$ 2,997,906         | \$ 8,599,679          | \$ 5,304,256          |
| Public Service                         | \$ 187,923          | \$ 329,297           | \$ 8,576,959          | \$ 4,450,181          |
| Research (Applied, Basic, Development) | \$ 2,261,897        | \$ 14,597,605        | \$ 145,800,461        | \$ 153,382,418        |
| Other <sup>2</sup>                     | \$ -                | \$ -                 | \$ 1,009,275          | \$ 343,246            |
| <b>Grand Total:</b>                    | <b>\$ 2,559,831</b> | <b>\$ 17,924,808</b> | <b>\$ 163,986,374</b> | <b>\$ 163,480,101</b> |

**Proposals Total by Source of Funding**

|                     |                     |                      |                       |                       |
|---------------------|---------------------|----------------------|-----------------------|-----------------------|
| Federal             | \$ 2,056,478        | \$ 13,981,789        | \$ 134,468,347        | \$ 147,370,962        |
| Private             | \$ 491,626          | \$ 590,520           | \$ 15,450,696         | \$ 10,804,124         |
| State               | \$ 11,727           | \$ 3,352,499         | \$ 14,067,331         | \$ 5,305,016          |
| <b>Grand Total:</b> | <b>\$ 2,559,831</b> | <b>\$ 17,924,808</b> | <b>\$ 163,986,374</b> | <b>\$ 163,480,101</b> |

**Notes:**

1 Other includes UNT Libraries, Office of the Provost and Vice President of Academic Affairs, Enrollment Management, Dean of Students, Director Risk Management, Honors College, and Outreach & Community Involvement

2 Other includes Career, Conference, Equipment, Fellowship, Infrastructure/Facilities, Student Support, Travel, and Training

*Special Note:*

*In detailed proposal data, PI is the Cayuse SP named Lead Principal Investigator and Co-PI is any Cayuse SP named Principal Investigator. Recognition in the detailed proposal data is distributed from the Allocation of Credit as entered in Cayuse SP.*

# Proposals, May FY2018

| File Number | Title | Category | Sponsor | Sponsor Type | PI / Co-PI | Start Date | Duration in Years | FA Rate % | Recognition % | Distribution Amount | Status |
|-------------|-------|----------|---------|--------------|------------|------------|-------------------|-----------|---------------|---------------------|--------|
|-------------|-------|----------|---------|--------------|------------|------------|-------------------|-----------|---------------|---------------------|--------|

UNT

*College of Business*

*Marketing & Logistics*

**Sauser, Brian**

*Sauser, B. , PI; Marketing & Logistics; Warren, S. , Co-PI; Learning Technologies*

|                             |  |                    |   |                       |    |          |      |       |     |           |         |
|-----------------------------|--|--------------------|---|-----------------------|----|----------|------|-------|-----|-----------|---------|
| 18-0480<br>Proposal:<br>New | Comorbidities as moderators of cancer outcomes: Introduction of an evidence-based SES-driven algorithm formulation and its translation into a general tool for predictability, intervention and prevention | Research - Applied | University of North Texas Health Science at Forth Worth | State of TX Flow Thru | PI | 9/1/2018 | 0.91 | 5.26% | 50% | \$159,354 | Pending |
|-----------------------------|--|--------------------|---|-----------------------|----|----------|------|-------|-----|-----------|---------|

Totals for **Sauser, Brian** **\$159,354**

Totals for **Marketing & Logistics** **\$159,354**

Totals for **College of Business** **\$159,354**

*College of Education*

*Counseling & Higher Education*

**Bower, Beverly**

|                             |   |                |   |          |    |          |      |       |      |          |         |
|-----------------------------|---|----------------|---|----------|----|----------|------|-------|------|----------|---------|
| 18-0419<br>Proposal:<br>New | Council for the Study of Community Colleges | Public Service | Council for the Study of Community Colleges | Industry | PI | 7/1/2018 | 4.91 | 0.00% | 100% | \$60,000 | Awarded |
|-----------------------------|---|----------------|---|----------|----|----------|------|-------|------|----------|---------|

Totals for **Bower, Beverly** **\$60,000**

Totals for **Counseling & Higher Education** **\$60,000**

*Education - Dean's Office*

**Oliveira, DeeAnna**

*Oliveira, D. , Co-PI; Education - Dean's Office; Gu, X. , PI; Keller, M. , Co-PI; Zhang, T. , Co-PI; Kinesiology, Health Promotion, & Recreation; Wang, X. , Co-PI; Mathematics*

|                             |   |                  |                                     |         |       |          |      |        |    |     |         |
|-----------------------------|---|------------------|-------------------------------------|---------|-------|----------|------|--------|----|-----|---------|
| 18-0298<br>Proposal:<br>New | Recess Programming and Classroom Change (RePACC) for Movement and Academic Behavior Promotion in Young Children | Research - Basic | National Institutes of Health - NIH | Federal | Co-PI | 4/1/2019 | 2.66 | 48.50% | 0% | \$0 | Pending |
|-----------------------------|---|------------------|-------------------------------------|---------|-------|----------|------|--------|----|-----|---------|

Totals for **Oliveira, DeeAnna** **\$0**

| File Number  | Title   | Category         | Sponsor                             | Sponsor Type   | PI / Co-PI | Start Date | Duration in Years | FA Rate % | Recognition % | Distribution Amount | Status           |  |
|--|---|------------------|-------------------------------------|--|------------|------------|-------------------|-----------|---------------|---------------------|------------------|--|
|  |   |                  | Totals for                          | <b>Education - Dean's Office</b>                       |            |            |                   |           |               |                     | <b>\$0</b>       |  |
| <b><i>Kinesiology, Health Promotion, &amp; Recreation</i></b>  |   |                  |                                     |  |            |            |                   |           |               |                     |                  |  |
| <b>Gu, Xiangli</b>   |   |                  |                                     |  |            |            |                   |           |               |                     |                  |  |
| <i>Gu, X. , PI; Keller, M. , Co-PI; Zhang, T. , Co-PI; Kinesiology, Health Promotion, &amp; Recreation; Oliveira, D. , Co-PI; Education - Dean's Office; Wang, X. , Co-PI; Mathematics</i> |   |                  |                                     |  |            |            |                   |           |               |                     |                  |  |
| 18-0298<br>Proposal:<br>New  | Recess Programming and Classroom Change (RePACC) for Movement and Academic Behavior Promotion in Young Children                 | Research - Basic | National Institutes of Health - NIH | Federal  | PI         | 4/1/2019   | 2.66              | 48.50%    | 40%           | \$183,384           | Pending          |  |
|  |   |                  | Totals for                          | <b>Gu, Xiangli</b>                                     |            |            |                   |           |               |                     | <b>\$183,384</b> |  |
| <b>Keller, M</b>   |   |                  |                                     |  |            |            |                   |           |               |                     |                  |  |
| <i>Keller, M. , Co-PI; Gu, X. , PI; Zhang, T. , Co-PI; Kinesiology, Health Promotion, &amp; Recreation; Oliveira, D. , Co-PI; Education - Dean's Office; Wang, X. , Co-PI; Mathematics</i> |   |                  |                                     |  |            |            |                   |           |               |                     |                  |  |
| 18-0298<br>Proposal:<br>New  | Recess Programming and Classroom Change (RePACC) for Movement and Academic Behavior Promotion in Young Children                 | Research - Basic | National Institutes of Health - NIH | Federal  | Co-PI      | 4/1/2019   | 2.66              | 48.50%    | 15%           | \$68,769            | Pending          |  |
|  |   |                  | Totals for                          | <b>Keller, M</b>                                       |            |            |                   |           |               |                     | <b>\$68,769</b>  |  |
| <b>Vingren, Jakob</b>  |   |                  |                                     |  |            |            |                   |           |               |                     |                  |  |
| <i>Vingren, J. , Co-PI; Kinesiology, Health Promotion, &amp; Recreation; Namuduri, K. , PI; Mehta, G. , Co-PI; Mahbub, I. , Co-PI; Electrical Engineering</i>                              |   |                  |                                     |  |            |            |                   |           |               |                     |                  |  |
| 18-0358<br>Proposal:<br>New  | SCH: INT: Collaborative Research: Design of a Smart Life Vest for Detecting the Onset of Exercise-Related Sudden Cardiac Arrest | Research - Basic | National Science Foundation - NSF   | Federal  | Co-PI      | 1/1/2019   | 3.91              | 48.50%    | 25%           | \$211,940           | Pending          |  |
|  |   |                  | Totals for                          | <b>Vingren, Jakob</b>                                  |            |            |                   |           |               |                     | <b>\$211,940</b> |  |
| <b>Zhang, Tao</b>  |   |                  |                                     |  |            |            |                   |           |               |                     |                  |  |
| <i>Zhang, T. , Co-PI; Gu, X. , PI; Keller, M. , Co-PI; Kinesiology, Health Promotion, &amp; Recreation; Oliveira, D. , Co-PI; Education - Dean's Office; Wang, X. , Co-PI; Mathematics</i> |   |                  |                                     |  |            |            |                   |           |               |                     |                  |  |
| 18-0298<br>Proposal:<br>New  | Recess Programming and Classroom Change (RePACC) for Movement and Academic Behavior Promotion in Young Children                 | Research - Basic | National Institutes of Health - NIH | Federal  | Co-PI      | 4/1/2019   | 2.66              | 48.50%    | 30%           | \$137,538           | Pending          |  |
|  |   |                  | Totals for                          | <b>Zhang, Tao</b>                                      |            |            |                   |           |               |                     | <b>\$137,538</b> |  |
|  |   |                  | Totals for                          | <b>Kinesiology, Health Promotion, &amp; Recreation</b> |            |            |                   |           |               |                     | <b>\$601,631</b> |  |
|  |   |                  | Totals for                          | <b>College of Education</b>                            |            |            |                   |           |               |                     | <b>\$661,631</b> |  |

| File Number  | Title  | Category           | Sponsor                             | Sponsor Type      | PI / Co-PI | Start Date | Duration in Years | FA Rate % | Recognition % | Distribution Amount | Status  |
|--|--|--------------------|-------------------------------------|-------------------|------------|------------|-------------------|-----------|---------------|---------------------|---------|
| <b>College of Engineering</b>  |  |                    |                                     |                   |            |            |                   |           |               |                     |         |
| <b>Biomedical Engineering</b>  |  |                    |                                     |                   |            |            |                   |           |               |                     |         |
| <b>Chang, Lingqian</b>   |  |                    |                                     |                   |            |            |                   |           |               |                     |         |
| <i>Chang, L. , PI; Zhu, D. , Co-PI; Biomedical Engineering; Mahbub, I. , Co-PI; Electrical Engineering</i> |  |                    |                                     |                   |            |            |                   |           |               |                     |         |
| 18-0465<br>Proposal:<br>New  | Wearable single cell electro-transfection nano-patch for high efficient CRISPR-Cas9 gene delivery and editing                                  | Research - Basic   | National Institutes of Health - NIH | Federal           | PI         | 4/1/2019   | 4.91              | 48.50%    | 50%           | \$1,399,352         | Pending |
|  |  | Totals for         | <b>Chang, Lingqian</b>              |                   |            |            |                   |           |               | <b>\$1,399,352</b>  |         |
| <b>Zhu, Donghui</b>  |  |                    |                                     |                   |            |            |                   |           |               |                     |         |
| <i>Zhu, D. , Co-PI; Chang, L. , PI; Biomedical Engineering; Mahbub, I. , Co-PI; Electrical Engineering</i> |  |                    |                                     |                   |            |            |                   |           |               |                     |         |
| 18-0465<br>Proposal:<br>New  | Wearable single cell electro-transfection nano-patch for high efficient CRISPR-Cas9 gene delivery and editing                                  | Research - Basic   | National Institutes of Health - NIH | Federal           | Co-PI      | 4/1/2019   | 4.91              | 48.50%    | 45%           | \$1,259,417         | Pending |
|  |  | Totals for         | <b>Zhu, Donghui</b>                 |                   |            |            |                   |           |               | <b>\$1,259,417</b>  |         |
|  |  | Totals for         | <b>Biomedical Engineering</b>       |                   |            |            |                   |           |               | <b>\$2,658,769</b>  |         |
| <b>Computer Science &amp; Engineering</b>  |  |                    |                                     |                   |            |            |                   |           |               |                     |         |
| <b>Blanco Villar, Eduardo</b>  |  |                    |                                     |                   |            |            |                   |           |               |                     |         |
| 18-0449<br>Proposal:<br>New  | Litidea: A Comprehensive Web Application to Assess Children's Speech and Reading Skills  | Research - Basic   | Puk Labs, LLC.                      | Federal Flow Thru | PI         | 1/1/2019   | 1.91              | 48.50%    | 100%          | \$75,000            | Pending |
|  |  | Totals for         | <b>Blanco Villar, Eduardo</b>       |                   |            |            |                   |           |               | <b>\$75,000</b>     |         |
| <b>Ludi, Stephanie</b>   |  |                    |                                     |                   |            |            |                   |           |               |                     |         |
| 18-0436<br>Proposal:<br>New  | CSforAll: PreK-8 Strand: Accessible Games to Teach CyberSecurity Computational Thinking to Hearing and Hearing Impaired Middle School Students | Research - Applied | Rochester Institute of Technology   | Federal Flow Thru | PI         | 1/1/2019   | 1.91              | 48.50%    | 100%          | \$43,322            | Pending |
|  |  | Totals for         | <b>Ludi, Stephanie</b>              |                   |            |            |                   |           |               | <b>\$43,322</b>     |         |

| File Number  | Title  | Category           | Sponsor                                   | Sponsor Type | PI / Co-PI | Start Date | Duration in Years | FA Rate % | Recognition % | Distribution Amount                       | Status           |
|--|--|--------------------|---|--------------|------------|------------|-------------------|-----------|---------------|---|------------------|
| <b>Mohanty, Saraju</b>   |  |                    |   |              |            |            |                   |           |               |   |                  |
| <i>Mohanty, S. , PI; Computer Science &amp; Engineering; Kougianos, E. , Co-PI; Engineering Technology</i> |  |                    |   |              |            |            |                   |           |               |   |                  |
| 18-0438<br>Proposal:<br>New  | CPS: Medium: Collaborative Research: cSeiz: Approaches for Seizure Detection and Control by Edge-Device in the IoMT  | Research - Basic   | National Science Foundation - Federal NSF |              | PI         | 3/17/2019  | 3                 | 48.50%    | 60%           | \$238,849                                 | Pending          |
| <i>Mohanty, S. , PI; Computer Science &amp; Engineering; Kougianos, E. , Co-PI; Engineering Technology</i> |  |                    |   |              |            |            |                   |           |               |   |                  |
| 18-0478<br>Proposal:<br>New  | SCH: INT: Collaborative Research: FoB-EHR: Investigating Fortified-Blockchain-based Approaches for Electronic Health Record Storage, Management, and Dissemination | Research - Basic   | National Science Foundation - Federal NSF |              | PI         | 3/17/2019  | 3                 | 48.50%    | 60%           | \$221,232                                 | Pending          |
| Totals for   |  |                    |   |              |            |            |                   |           |               | <b>Mohanty, Saraju</b>                    | <b>\$460,080</b> |
| <b>Takabi, Hassan</b>  |  |                    |   |              |            |            |                   |           |               |   |                  |
| 18-0463<br>Proposal:<br>New  | NSF Student Travel Grant for 2018 ACM Conference on Computer and Communications Security (ACM CCS)   | Public Service     | National Science Foundation - Federal NSF |              | PI         | 7/1/2018   | 0.91              | 0.00%     | 100%          | \$25,000                                  | Awarded          |
| Totals for   |  |                    |   |              |            |            |                   |           |               | <b>Takabi, Hassan</b>                     | <b>\$25,000</b>  |
| <b>Yang, Qing</b>  |  |                    |   |              |            |            |                   |           |               |   |                  |
| <i>Yang, Q. , PI; Computer Science &amp; Engineering; Yang, T. , Co-PI; Electrical Engineering</i>         |  |                    |   |              |            |            |                   |           |               |   |                  |
| 18-0458<br>Proposal:<br>New  | CPS: Small: Collaborative Research: Data-Driven Cyber-Physical Transportation System   | Research - Basic   | National Science Foundation - Federal NSF |              | PI         | 1/1/2019   | 2.91              | 48.50%    | 50%           | \$161,783                                 | Pending          |
| Totals for   |  |                    |   |              |            |            |                   |           |               | <b>Yang, Qing</b>                         | <b>\$161,783</b> |
| Totals for   |  |                    |   |              |            |            |                   |           |               | <b>Computer Science &amp; Engineering</b> | <b>\$765,185</b> |
| <b>Electrical Engineering</b>  |  |                    |   |              |            |            |                   |           |               |   |                  |
| <b>Acevedo, Miguel</b>   |  |                    |   |              |            |            |                   |           |               |   |                  |
| 18-0424<br>Proposal:<br>New  | Sustainable Brackish Water Desalination: Concentrate Utilization for Food Production   | Research - Applied | The Bureau of Reclamation                 | Federal      | PI         | 9/1/2018   | 1.91              | 26.00%    | 100%          | \$436,238                                 | Pending          |
| Totals for   |  |                    |   |              |            |            |                   |           |               | <b>Acevedo, Miguel</b>                    | <b>\$436,238</b> |

| File Number   | Title   | Category         | Sponsor                             | Sponsor Type      | PI / Co-PI | Start Date | Duration in Years | FA Rate % | Recognition % | Distribution Amount   | Status           |
|---|---|------------------|-------------------------------------|-------------------|------------|------------|-------------------|-----------|---------------|-----------------------|------------------|
| <b>Mahbub, Ifana</b>  |   |                  |                                     |                   |            |            |                   |           |               |                       |                  |
| <i>Mahbub, I. , Co-PI; Namuduri, K. , PI; Mehta, G. , Co-PI; Electrical Engineering; Vingren, J. , Co-PI; Kinesiology, Health Promotion, &amp; Recreation</i> |   |                  |                                     |                   |            |            |                   |           |               |                       |                  |
| 18-0358<br>Proposal:<br>New   | SCH: INT: Collaborative Research: Design of a Smart Life Vest for Detecting the Onset of Exercise-Related Sudden Cardiac Arrest   | Research - Basic | National Science Foundation - NSF   | Federal           | Co-PI      | 1/1/2019   | 3.91              | 48.50%    | 25%           | \$211,940             | Pending          |
| 18-0439<br>Proposal:<br>New   | CPS: TTP Option: Medium: Multi-grain CPS Framework with Inkjet Printed ECG System for Unsupervised Atrial Fibrillation Monitoring | Research - Basic | The University of Memphis           | Federal Flow Thru | PI         | 1/1/2019   | 2.91              | 48.50%    | 100%          | \$157,075             | Pending          |
| <i>Mahbub, I. , Co-PI; Electrical Engineering; Chang, L. , PI; Zhu, D. , Co-PI; Biomedical Engineering</i>  |   |                  |                                     |                   |            |            |                   |           |               |                       |                  |
| 18-0465<br>Proposal:<br>New   | Wearable single cell electro-transfection nano-patch for high efficient CRISPR-Cas9 gene delivery and editing                     | Research - Basic | National Institutes of Health - NIH | Federal           | Co-PI      | 4/1/2019   | 4.91              | 48.50%    | 5%            | \$139,935             | Pending          |
| Totals for  |   |                  |                                     |                   |            |            |                   |           |               | <b>Mahbub, Ifana</b>  | <b>\$508,951</b> |
| <b>Mehta, Gayatri</b>   |   |                  |                                     |                   |            |            |                   |           |               |                       |                  |
| <i>Mehta, G. , Co-PI; Namuduri, K. , PI; Mahbub, I. , Co-PI; Electrical Engineering; Vingren, J. , Co-PI; Kinesiology, Health Promotion, &amp; Recreation</i> |   |                  |                                     |                   |            |            |                   |           |               |                       |                  |
| 18-0358<br>Proposal:<br>New   | SCH: INT: Collaborative Research: Design of a Smart Life Vest for Detecting the Onset of Exercise-Related Sudden Cardiac Arrest   | Research - Basic | National Science Foundation - NSF   | Federal           | Co-PI      | 1/1/2019   | 3.91              | 48.50%    | 25%           | \$211,940             | Pending          |
| 18-0470<br>Proposal:<br>Supplement  | Visual Architectures - REU Supplement   | Research - Basic | National Science Foundation - NSF   | Federal           | PI         | 6/1/2018   | 0.91              | 0.00%     | 100%          | \$8,000               | Awarded          |
| Totals for  |   |                  |                                     |                   |            |            |                   |           |               | <b>Mehta, Gayatri</b> | <b>\$219,940</b> |
| <b>Namuduri, Kameswara Rao</b>  |   |                  |                                     |                   |            |            |                   |           |               |                       |                  |
| 18-0357<br>Proposal:<br>New   | CPS: Medium: Collaborative Research: Foundations for Self-Organized Aerial Networking of Unmanned Aircraft Systems                | Research - Basic | National Science Foundation - NSF   | Federal           | PI         | 1/1/2019   | 2.91              | 48.50%    | 100%          | \$328,947             | Pending          |

| File Number  | Title  | Category         | Sponsor                                   | Sponsor Type                   | PI / Co-PI | Start Date | Duration in Years | FA Rate % | Recognition % | Distribution Amount | Status  |
|--|--|------------------|---|--------------------------------|------------|------------|-------------------|-----------|---------------|---------------------|---------|
| <i>Namuduri, K. , PI; Mehta, G. , Co-PI; Mahub, I. , Co-PI; Electrical Engineering; Vingren, J. , Co-PI; Kinesiology, Health Promotion, &amp; Recreation</i> |  |                  |   |                                |            |            |                   |           |               |                     |         |
| 18-0358<br>Proposal:<br>New  | SCH: INT: Collaborative Research: Design of a Smart Life Vest for Detecting the Onset of Exercise-Related Sudden Cardiac Arrest                                    | Research - Basic | National Science Foundation - Federal NSF |                                | PI         | 1/1/2019   | 3.91              | 48.50%    | 25%           | \$211,940           | Pending |
|  |  |                  | Totals for                                | <b>Namuduri, Kameswara Rao</b> |            |            |                   |           |               | <b>\$540,887</b>    |         |
| <b>Yang, Tao</b>   |  |                  |   |                                |            |            |                   |           |               |                     |         |
| 18-0440<br>Proposal:<br>New  | CPS: Medium: Collaborative Research: A Distributed Paradigm for Reliable, Efficient and Resilient Microgrid Operation under Communication and Physical Constraints | Research - Basic | National Science Foundation - Federal NSF |                                | PI         | 12/1/2018  | 2.91              | 48.50%    | 100%          | \$278,020           | Pending |
| <i>Yang, T. , Co-PI; Electrical Engineering; Yang, Q. , PI; Computer Science &amp; Engineering</i>   |  |                  |   |                                |            |            |                   |           |               |                     |         |
| 18-0458<br>Proposal:<br>New  | CPS: Small: Collaborative Research: Data-Driven Cyber-Physical Transportation System   | Research - Basic | National Science Foundation - Federal NSF |                                | Co-PI      | 1/1/2019   | 2.91              | 48.50%    | 50%           | \$161,783           | Pending |
|  |  |                  | Totals for                                | <b>Yang, Tao</b>               |            |            |                   |           |               | <b>\$439,803</b>    |         |
|  |  |                  | Totals for                                | <b>Electrical Engineering</b>  |            |            |                   |           |               | <b>\$2,145,820</b>  |         |

### Engineering Technology

#### Anaya, Leticia

*Anaya, L. , PI; Bostanci, H. , Co-PI; Engineering Technology*

|                             |  |                |  |  |    |          |     |       |     |          |         |
|-----------------------------|--|----------------|--|--|----|----------|-----|-------|-----|----------|---------|
| 18-0503<br>Proposal:<br>New | Denton County Boosting Engineering, Science and Technology (DC BEST) Robotics Kit Proposal | Public Service | U.S. Department of Defense - Federal DOD |  | PI | 6/1/2018 | 0.5 | 0.00% | 75% | \$11,250 | Pending |
|-----------------------------|--|----------------|--|--|----|----------|-----|-------|-----|----------|---------|

Totals for **Anaya, Leticia** **\$11,250**

#### Bostanci, Huseyin

*Bostanci, H. , PI; Engineering Technology; Zhao, W. , Co-PI; Mechanical & Energy Engineering*

|                             |   |                  |  |                |    |          |      |        |     |           |         |
|-----------------------------|---|------------------|--|----------------|----|----------|------|--------|-----|-----------|---------|
| 18-0416<br>Proposal:<br>New | Spray Evaporation on Enhanced Tube Bundles with Low GWP Pure Refrigerants and Refrigerant/Miscible Oil Mixtures | Research - Basic | American Society of Heating, Refrigeration and Air-conditioning Engineers - ASHRAE | Not for Profit | PI | 9/1/2018 | 2.41 | 48.50% | 70% | \$115,338 | Pending |
|-----------------------------|---|------------------|--|----------------|----|----------|------|--------|-----|-----------|---------|

| File Number  | Title  | Category           | Sponsor  | Sponsor Type             | PI / Co-PI | Start Date | Duration in Years | FA Rate % | Recognition % | Distribution Amount | Status           |  |
|--|--|--------------------|--|--------------------------|------------|------------|-------------------|-----------|---------------|---------------------|------------------|--|
| <i>Bostanci, H. , Co-PI; Engineering Technology; Zhao, W. , PI; Mechanical &amp; Energy Engineering</i>    |  |                    |  |                          |            |            |                   |           |               |                     |                  |  |
| 18-0446<br>Proposal:<br>New  | 1814-TRP, Actual Energy Performance of Secondary Schools and Medium Offices Designed to Comply with ASHRAE Standard 90.1-2010                                      | Research - Applied | American Society of Heating, Refrigeration and Air-conditioning Engineers - ASHRAE | Not for Profit           | Co-PI      | 9/1/2018   | 1.58              | 48.50%    | 30%           | \$35,344            | Pending          |  |
| <i>Bostanci, H. , Co-PI; Anaya, L. , PI; Engineering Technology</i>  |  |                    |  |                          |            |            |                   |           |               |                     |                  |  |
| 18-0503<br>Proposal:<br>New  | Denton County Boosting Engineering, Science and Technology (DC BEST) Robotics Kit Proposal   | Public Service     | U.S. Department of Defense - DOD   | Federal                  | Co-PI      | 6/1/2018   | 0.5               | 0.00%     | 25%           | \$3,750             | Pending          |  |
|  |  |                    | Totals for   | <b>Bostanci, Huseyin</b> |            |            |                   |           |               |                     | <b>\$154,432</b> |  |
| <b>Kougianos, Elias</b>  |  |                    |  |                          |            |            |                   |           |               |                     |                  |  |
| <i>Kougianos, E. , Co-PI; Engineering Technology; Mohanty, S. , PI; Computer Science &amp; Engineering</i> |  |                    |  |                          |            |            |                   |           |               |                     |                  |  |
| 18-0438<br>Proposal:<br>New  | CPS: Medium: Collaborative Research: cSeiz: Approaches for Seizure Detection and Control by Edge-Device in the IoMT  | Research - Basic   | National Science Foundation - NSF  | Federal                  | Co-PI      | 3/17/2019  | 3                 | 48.50%    | 40%           | \$159,232           | Pending          |  |
| <i>Kougianos, E. , Co-PI; Engineering Technology; Mohanty, S. , PI; Computer Science &amp; Engineering</i> |  |                    |  |                          |            |            |                   |           |               |                     |                  |  |
| 18-0478<br>Proposal:<br>New  | SCH: INT: Collaborative Research: FoB-EHR: Investigating Fortified-Blockchain-based Approaches for Electronic Health Record Storage, Management, and Dissemination | Research - Basic   | National Science Foundation - NSF  | Federal                  | Co-PI      | 3/17/2019  | 3                 | 48.50%    | 40%           | \$147,488           | Pending          |  |
|  |  |                    | Totals for   | <b>Kougianos, Elias</b>  |            |            |                   |           |               |                     | <b>\$306,720</b> |  |
| <b>Nasrazadani, Seifollah</b>  |  |                    |  |                          |            |            |                   |           |               |                     |                  |  |
| 18-0460<br>Proposal:<br>New  | Testing and Evaluation of Ozone Removal Air Cleaning Devices for Improving IAQ   | Research - Applied | American Society of Heating, Refrigeration and Air-conditioning Engineers - ASHRAE | Not for Profit           | PI         | 9/1/2018   | 1.58              | 48.50%    | 100%          | \$142,304           | Pending          |  |



| File Number  | Title   | Category         | Sponsor                       | Sponsor Type      | PI / Co-PI | Start Date | Duration in Years | FA Rate % | Recognition % | Distribution Amount | Status  |
|--|---|------------------|-------------------------------|-------------------|------------|------------|-------------------|-----------|---------------|---------------------|---------|
| <i>Nasrazadani, S. , Co-PI; Yu, C. , Co-PI; Engineering Technology; Dahotre, N. , PI; Mukherjee, S. , Co-PI; Materials Science &amp; Engineering; Zhang, H. , Co-PI; Mechanical &amp; Energy Engineering</i> |   |                  |                               |                   |            |            |                   |           |               |                     |         |
| 18-0469<br>Proposal:<br>New  | Advanced Materials, Devices, and Structures for the Expeditionary Maneuver and Support (EMS) of Tactical shelters | Research - Basic | Northeastern University       | Federal Flow Thru | Co-PI      | 10/1/2018  | 2.91              | 48.50%    | 20%           | \$300,000           | Pending |
|  |   | Totals for       | <b>Nasrazadani, Seifollah</b> |                   |            |            |                   |           |               | <b>\$442,304</b>    |         |
| <b>Yu, Cheng</b>   |   |                  |                               |                   |            |            |                   |           |               |                     |         |
| <i>Yu, C. , Co-PI; Nasrazadani, S. , Co-PI; Engineering Technology; Dahotre, N. , PI; Mukherjee, S. , Co-PI; Materials Science &amp; Engineering; Zhang, H. , Co-PI; Mechanical &amp; Energy Engineering</i> |   |                  |                               |                   |            |            |                   |           |               |                     |         |
| 18-0469<br>Proposal:<br>New  | Advanced Materials, Devices, and Structures for the Expeditionary Maneuver and Support (EMS) of Tactical shelters | Research - Basic | Northeastern University       | Federal Flow Thru | Co-PI      | 10/1/2018  | 2.91              | 48.50%    | 20%           | \$300,000           | Pending |
|  |   | Totals for       | <b>Yu, Cheng</b>              |                   |            |            |                   |           |               | <b>\$300,000</b>    |         |
|  |   | Totals for       | <b>Engineering Technology</b> |                   |            |            |                   |           |               | <b>\$1,214,706</b>  |         |

### **Materials Science & Engineering**

#### **Berman, Diana**

|                             |   |                  |   |         |    |           |      |        |      |                  |         |
|-----------------------------|---|------------------|---|---------|----|-----------|------|--------|------|------------------|---------|
| 18-0459<br>Proposal:<br>New | Propagation of deformation and fracture in nanoporous ceramic matrices for localized adsorption of coupled mechanical and thermal stresses. | Research - Basic | Army Research Office - ARO                      | Federal | PI | 10/1/2018 | 2.91 | 48.50% | 100% | \$450,000        | Pending |
| 18-0500<br>Proposal:<br>New | Development of structural interfaces in nanoporous ceramics and their reconstruction during support release and material collapse           | Research - Basic | Air Force Office of Scientific Research - AFOSR | Federal | PI | 1/1/2019  | 2.91 | 48.50% | 100% | \$450,000        | Pending |
|                             |   | Totals for       | <b>Berman, Diana</b>                            |         |    |           |      |        |      | <b>\$900,000</b> |         |

| File Number  | Title   | Category               | Sponsor   | Sponsor Type      | PI / Co-PI | Start Date | Duration in Years | FA Rate % | Recognition % | Distribution Amount | Status  |
|--|---|------------------------|---|-------------------|------------|------------|-------------------|-----------|---------------|---------------------|---------|
| <b>Dahotre, Narendra</b>   |   |                        |   |                   |            |            |                   |           |               |                     |         |
| <i>Dahotre, N. , PI; Mukherjee, S. , Co-PI; Materials Science &amp; Engineering; Zhang, H. , Co-PI; Mechanical &amp; Energy Engineering; Yu, C. , Co-PI; Nasrazadani, S. , Co-PI; Engineering Technology</i> |   |                        |   |                   |            |            |                   |           |               |                     |         |
| 18-0469<br>Proposal:<br>New  | Advanced Materials, Devices, and Structures for the Expeditionary Maneuver and Support (EMS) of Tactical shelters | Research - Basic       | Northeastern University                           | Federal Flow Thru | PI         | 10/1/2018  | 2.91              | 48.50%    | 20%           | \$300,000           | Pending |
|  |   | Totals for             | <b>Dahotre, Narendra</b>                          |                   |            |            |                   |           |               | <b>\$300,000</b>    |         |
| <b>D'Souza, Nandika</b>  |   |                        |   |                   |            |            |                   |           |               |                     |         |
| <i>D'Souza, N. , Co-PI; Materials Science &amp; Engineering; Shi, S. , PI; D'Souza, N. , Co-PI; Mechanical &amp; Energy Engineering; Dixon, R. , Co-PI; Biological Sciences</i>                              |   |                        |   |                   |            |            |                   |           |               |                     |         |
| 18-0423<br>Proposal:<br>Resubmissio  | Large-scale comprehensive initiative of regional forest/agriculture based bioproduct program                      | Research - Development | National Institute of Food and Agriculture - NIFA | Federal Flow Thru | Co-PI      | 1/1/2019   | 2.91              | 48.50%    | 8%            | \$60,000            | Pending |
|  |   | Totals for             | <b>D'Souza, Nandika</b>                           |                   |            |            |                   |           |               | <b>\$60,000</b>     |         |
| <b>Du, Jincheng</b>  |   |                        |   |                   |            |            |                   |           |               |                     |         |
| 18-0487<br>Proposal:<br>New  | Collaborative Research: Modeling Guided Phase Selection for the Synthesis of Vanadium Phosphorus Oxide Ceramics   | Research - Basic       | National Science Foundation - NSF                 | Federal           | PI         | 12/1/2018  | 2.91              | 48.50%    | 100%          | \$311,812           | Pending |
|  |   | Totals for             | <b>Du, Jincheng</b>                               |                   |            |            |                   |           |               | <b>\$311,812</b>    |         |
| <b>Mukherjee, Sundeep</b>  |   |                        |   |                   |            |            |                   |           |               |                     |         |
| <i>Mukherjee, S. , Co-PI; Dahotre, N. , PI; Materials Science &amp; Engineering; Zhang, H. , Co-PI; Mechanical &amp; Energy Engineering; Yu, C. , Co-PI; Nasrazadani, S. , Co-PI; Engineering Technology</i> |   |                        |   |                   |            |            |                   |           |               |                     |         |
| 18-0469<br>Proposal:<br>New  | Advanced Materials, Devices, and Structures for the Expeditionary Maneuver and Support (EMS) of Tactical shelters | Research - Basic       | Northeastern University                           | Federal Flow Thru | Co-PI      | 10/1/2018  | 2.91              | 48.50%    | 20%           | \$300,000           | Pending |
|  |   | Totals for             | <b>Mukherjee, Sundeep</b>                         |                   |            |            |                   |           |               | <b>\$300,000</b>    |         |
|  |   | Totals for             | <b>Materials Science &amp; Engineering</b>        |                   |            |            |                   |           |               | <b>\$1,871,812</b>  |         |

| File Number   | Title   | Category               | Sponsor   | Sponsor Type      | PI / Co-PI | Start Date | Duration in Years | FA Rate % | Recognition % | Distribution Amount                | Status           |
|---|---|------------------------|---|-------------------|------------|------------|-------------------|-----------|---------------|------------------------------------|------------------|
| <b><i>Mechanical &amp; Energy Engineering</i></b>   |   |                        |   |                   |            |            |                   |           |               |                                    |                  |
| <b>Choi, Tae-Youl</b>   |   |                        |   |                   |            |            |                   |           |               |                                    |                  |
| <i>Choi, T. , Co-PI; Mechanical &amp; Energy Engineering; Neogi, A. , PI; Physics</i>   |   |                        |   |                   |            |            |                   |           |               |                                    |                  |
| 18-0450<br>Proposal:<br>Supplement  | GOALI: EFRI NewLaw: Non-reciprocal effects and Anderson localization of acoustic and elastic waves in periodic structures with broken P-symmetry of the unit cell                               | Research - Applied     | National Science Foundation - Federal NSF         |                   | Co-PI      | 6/1/2018   | 0.91              | 0.00%     | 50%           | \$8,000                            | Declined         |
| Totals for  |   |                        |   |                   |            |            |                   |           |               | <b>Choi, Tae-Youl</b>              | <b>\$8,000</b>   |
| <b>D'Souza, Nandika</b>   |   |                        |   |                   |            |            |                   |           |               |                                    |                  |
| <i>D'Souza, N. , Co-PI; Shi, S. , PI; Mechanical &amp; Energy Engineering; Dixon, R. , Co-PI; Biological Sciences; D'Souza, N. , Co-PI; Materials Science &amp; Engineering</i> |   |                        |   |                   |            |            |                   |           |               |                                    |                  |
| 18-0423<br>Proposal:<br>Resubmissio   | Large-scale comprehensive initiative of regional forest/agriculture based bioproduct program  | Research - Development | National Institute of Food and Agriculture - NIFA | Federal Flow Thru | Co-PI      | 1/1/2019   | 2.91              | 48.50%    | 32%           | \$240,000                          | Pending          |
| Totals for  |   |                        |   |                   |            |            |                   |           |               | <b>D'Souza, Nandika</b>            | <b>\$240,000</b> |
| <b>Sadat Hosseini, Seyed Hamid</b>  |   |                        |   |                   |            |            |                   |           |               |                                    |                  |
| 18-0437<br>Proposal:<br>New   | A Parallel Structured Overset CFD Solver for Supported Cardiovascular Systems: Simulation of LVAD, Heart, and Great Vessel Flow to Minimize Eddies and Stasis, and to Mitigate Thrombotic Risks | Research - Applied     | National Institutes of Health - NIH               | Federal           | PI         | 1/31/2019  | 1.91              | 48.50%    | 100%          | \$444,078                          | Pending          |
| Totals for  |   |                        |   |                   |            |            |                   |           |               | <b>Sadat Hosseini, Seyed Hamid</b> | <b>\$444,078</b> |
| <b>Shi, Sheldon</b>   |   |                        |   |                   |            |            |                   |           |               |                                    |                  |
| <i>Shi, S. , PI; D'Souza, N. , Co-PI; Mechanical &amp; Energy Engineering; Dixon, R. , Co-PI; Biological Sciences; D'Souza, N. , Co-PI; Materials Science &amp; Engineering</i> |   |                        |   |                   |            |            |                   |           |               |                                    |                  |
| 18-0423<br>Proposal:<br>Resubmissio   | Large-scale comprehensive initiative of regional forest/agriculture based bioproduct program  | Research - Development | National Institute of Food and Agriculture - NIFA | Federal Flow Thru | PI         | 1/1/2019   | 2.91              | 48.50%    | 50%           | \$375,000                          | Pending          |
| Totals for  |   |                        |   |                   |            |            |                   |           |               | <b>Shi, Sheldon</b>                | <b>\$375,000</b> |

| File Number  | Title   | Category           | Sponsor  | Sponsor Type      | PI / Co-PI | Start Date | Duration in Years | FA Rate % | Recognition % | Distribution Amount                        | Status              |
|--|---|--------------------|--|-------------------|------------|------------|-------------------|-----------|---------------|--|---------------------|
| <b>Zhang, Haifeng</b>  |   |                    |  |                   |            |            |                   |           |               |  |                     |
| <i>Zhang, H. , Co-PI; Mechanical &amp; Energy Engineering; Dahotre, N. , PI; Mukherjee, S. , Co-PI; Materials Science &amp; Engineering; Yu, C. , Co-PI; Nasrazadani, S. , Co-PI; Engineering Technology</i> |   |                    |  |                   |            |            |                   |           |               |  |                     |
| 18-0469<br>Proposal:<br>New  | Advanced Materials, Devices, and Structures for the Expeditionary Maneuver and Support (EMS) of Tactical shelters             | Research - Basic   | Northeastern University  | Federal Flow Thru | Co-PI      | 10/1/2018  | 2.91              | 48.50%    | 20%           | \$300,000                                  | Pending             |
| Totals for   |   |                    |  |                   |            |            |                   |           |               | <b>Zhang, Haifeng</b>                      | <b>\$300,000</b>    |
| <b>Zhao, Weihuan</b>   |   |                    |  |                   |            |            |                   |           |               |  |                     |
| <i>Zhao, W. , Co-PI; Mechanical &amp; Energy Engineering; Bostanci, H. , PI; Engineering Technology</i>  |   |                    |  |                   |            |            |                   |           |               |  |                     |
| 18-0416<br>Proposal:<br>New  | Spray Evaporation on Enhanced Tube Bundles with Low GWP Pure Refrigerants and Refrigerant/Miscible Oil Mixtures               | Research - Basic   | American Society of Heating, Refrigeration and Air-conditioning Engineers - ASHRAE | Not for Profit    | Co-PI      | 9/1/2018   | 2.41              | 48.50%    | 30%           | \$49,430                                   | Pending             |
| <i>Zhao, W. , PI; Mechanical &amp; Energy Engineering; Bostanci, H. , Co-PI; Engineering Technology</i>  |   |                    |  |                   |            |            |                   |           |               |  |                     |
| 18-0446<br>Proposal:<br>New  | 1814-TRP, Actual Energy Performance of Secondary Schools and Medium Offices Designed to Comply with ASHRAE Standard 90.1-2010 | Research - Applied | American Society of Heating, Refrigeration and Air-conditioning Engineers - ASHRAE | Not for Profit    | PI         | 9/1/2018   | 1.58              | 48.50%    | 70%           | \$82,470                                   | Pending             |
| Totals for   |   |                    |  |                   |            |            |                   |           |               | <b>Zhao, Weihuan</b>                       | <b>\$131,900</b>    |
| Totals for   |   |                    |  |                   |            |            |                   |           |               | <b>Mechanical &amp; Energy Engineering</b> | <b>\$1,498,978</b>  |
| Totals for   |   |                    |  |                   |            |            |                   |           |               | <b>College of Engineering</b>              | <b>\$10,155,270</b> |

**College of Health & Public Service**  
**Behavior Analysis**

**Ala'i-Rosales, Shahla**

|                                    |                  |                |              |                |    |          |      |       |      |                              |                 |
|------------------------------------|------------------|----------------|--------------|----------------|----|----------|------|-------|------|------------------------------|-----------------|
| 18-0378<br>Proposal:<br>Supplement | Easter Seals ABA | Public Service | Easter Seals | Not for Profit | PI | 9/1/2018 | 0.91 | 0.00% | 100% | \$85,634                     | Pending         |
| Totals for                         |                  |                |              |                |    |          |      |       |      | <b>Ala'i-Rosales, Shahla</b> | <b>\$85,634</b> |

| File Number                        | Title  | Category           | Sponsor  | Sponsor Type      | PI / Co-PI | Start Date | Duration in Years | FA Rate % | Recognition % | Distribution Amount | Status  |
|------------------------------------|--|--------------------|--|-------------------|------------|------------|-------------------|-----------|---------------|---------------------|---------|
| <b>Smith, Richard</b>              |  |                    |  |                   |            |            |                   |           |               |                     |         |
| 18-0432<br>Proposal:<br>Supplement | Behavior Analysis Resource Center - Competency Based Training  | Public Service     | Texas Department of Aging Disability           | State of TX       | PI         | 9/1/2018   | 0.91              | 26.00%    | 100%          | \$84,055            | Pending |
| 18-0475<br>Proposal:<br>New        | BARC - PBMS Workshops  | Public Service     | Texas Health and Human Services Commission     | State of TX       | PI         | 9/1/2018   | 0.91              | 26.00%    | 100%          | \$47,943            | Pending |
|                                    |  | Totals for         | <b>Smith, Richard</b>                          |                   |            |            |                   |           |               | <b>\$131,998</b>    |         |
|                                    |  | Totals for         | <b>Behavior Analysis</b>                       |                   |            |            |                   |           |               | <b>\$217,632</b>    |         |
| <b>Geography</b>                   |  |                    |  |                   |            |            |                   |           |               |                     |         |
| <b>Ferring, C</b>                  |  |                    |  |                   |            |            |                   |           |               |                     |         |
| 18-0462<br>Proposal:<br>New        | A network of evapotranspiration observation sites to constrain ET estimation methods and water availability models in the Mississippi Alluvial Plain | Research - Applied | University of Arkansas                         | Federal Flow Thru | PI         | 9/1/2018   | 2.91              | 0.00%     | 100%          | \$155,011           | Pending |
|                                    |  | Totals for         | <b>Ferring, C</b>                              |                   |            |            |                   |           |               | <b>\$155,011</b>    |         |
|                                    |  | Totals for         | <b>Geography</b>                               |                   |            |            |                   |           |               | <b>\$155,011</b>    |         |
| <b>Social Work</b>                 |  |                    |  |                   |            |            |                   |           |               |                     |         |
| <b>Thomas, Cecilia</b>             |  |                    |  |                   |            |            |                   |           |               |                     |         |
| 18-0414<br>Proposal:<br>New        | IV-E University Training Program   | Instruction        | Texas Department of Family Protective Services | State of TX       | PI         | 7/1/2018   | 0.91              | 35.00%    | 100%          | \$1,552,731         | Pending |
|                                    |  | Totals for         | <b>Thomas, Cecilia</b>                         |                   |            |            |                   |           |               | <b>\$1,552,731</b>  |         |
|                                    |  | Totals for         | <b>Social Work</b>                             |                   |            |            |                   |           |               | <b>\$1,552,731</b>  |         |
|                                    |  | Totals for         | <b>College of Health &amp; Public Service</b>  |                   |            |            |                   |           |               | <b>\$1,925,374</b>  |         |

| File Number | Title | Category | Sponsor | Sponsor Type | PI / Co-PI | Start Date | Duration in Years | FA Rate % | Recognition % | Distribution Amount | Status |
|-------------|-------|----------|---------|--------------|------------|------------|-------------------|-----------|---------------|---------------------|--------|
|-------------|-------|----------|---------|--------------|------------|------------|-------------------|-----------|---------------|---------------------|--------|

**College of Information**

**Learning Technologies**

**Warren, Scott**

Warren, S. , Co-PI; Learning Technologies; Sauser, B. , PI; Marketing & Logistics

|                             |  |                    |   |                       |       |          |      |       |     |           |         |
|-----------------------------|--|--------------------|---|-----------------------|-------|----------|------|-------|-----|-----------|---------|
| 18-0480<br>Proposal:<br>New | Comorbidities as moderators of cancer outcomes: Introduction of an evidence-based SES-driven algorithm formulation and its translation into a general tool for predictability, intervention and prevention | Research - Applied | University of North Texas Health Science at Forth Worth | State of TX Flow Thru | Co-PI | 9/1/2018 | 0.91 | 5.26% | 50% | \$159,354 | Pending |
|-----------------------------|--|--------------------|---|-----------------------|-------|----------|------|-------|-----|-----------|---------|

Totals for **Warren, Scott** **\$159,354**

Totals for **Learning Technologies** **\$159,354**

Totals for **College of Information** **\$159,354**

**College of Science**

**Biological Sciences**

**Alonso, Ana Paula**

|                                       |   |                  |                                 |         |    |          |      |        |      |           |         |
|---------------------------------------|---|------------------|---------------------------------|---------|----|----------|------|--------|------|-----------|---------|
| 18-0303<br>Proposal:<br>Transfer (PI) | Development of Resources and Tools to Improve Oil Content and Quality in Pennycress | Research - Basic | U.S. Department of Energy - DOE | Federal | PI | 1/1/2018 | 1.58 | 48.50% | 100% | \$837,154 | Pending |
|---------------------------------------|---|------------------|---------------------------------|---------|----|----------|------|--------|------|-----------|---------|

Totals for **Alonso, Ana Paula** **\$837,154**

**Dixon, Richard**

Dixon, R. , Co-PI; Biological Sciences; Shi, S. , PI; D'Souza, N. , Co-PI; Mechanical & Energy Engineering; D'Souza, N. , Co-PI; Materials Science & Engineering

|                                     |  |                        |   |                   |       |          |      |        |     |          |         |
|-------------------------------------|--|------------------------|---|-------------------|-------|----------|------|--------|-----|----------|---------|
| 18-0423<br>Proposal:<br>Resubmissio | Large-scale comprehensive initiative of regional forest/agriculture based bioproduct program | Research - Development | National Institute of Food and Agriculture - NIFA | Federal Flow Thru | Co-PI | 1/1/2019 | 2.91 | 48.50% | 10% | \$75,000 | Pending |
|-------------------------------------|--|------------------------|---|-------------------|-------|----------|------|--------|-----|----------|---------|

Totals for **Dixon, Richard** **\$75,000**

Totals for **Biological Sciences** **\$912,154**

| File Number  | Title   | Category         | Sponsor   | Sponsor Type      | PI / Co-PI | Start Date | Duration in Years | FA Rate % | Recognition % | Distribution Amount | Status  |
|--|---|------------------|---|-------------------|------------|------------|-------------------|-----------|---------------|---------------------|---------|
| <b>Chemistry</b>   |   |                  |   |                   |            |            |                   |           |               |                     |         |
| <b>Buongiorno Nardelli, Marco</b>  |   |                  |   |                   |            |            |                   |           |               |                     |         |
| <i>Buongiorno Nardelli, M. , Co-PI; Chemistry; Buongiorno Nardelli, M. , PI; Physics</i> |   |                  |   |                   |            |            |                   |           |               |                     |         |
| 18-0476<br>Proposal:<br>New  | Q4Q: Quantum Computation for Quantum Prediction of Materials and Molecular Properties   | Research - Basic | University of Southern California                 | Federal Flow Thru | Co-PI      | 9/30/2018  | 3                 | 48.50%    | 20%           | \$110,999           | Pending |
|  |   | Totals for       | <b>Buongiorno Nardelli, Marco</b>                 |                   |            |            |                   |           |               | <b>\$110,999</b>    |         |
| <b>Cisneros, G. Andres</b>   |   |                  |   |                   |            |            |                   |           |               |                     |         |
| <i>Cisneros, G. , PI; Chemistry; Wang, X. , Co-PI; Mathematics</i>                       |   |                  |   |                   |            |            |                   |           |               |                     |         |
| 18-0415<br>Proposal:<br>New  | Computational Discovery and Characterization of Cancer Mutants on DNA Transaction Enzymes   | Research - Basic | Cancer Prevention and Research Institute of Texas | State of TX       | PI         | 9/1/2018   | 2.91              | 5.26%     | 80%           | \$1,079,250         | Pending |
| 18-0494<br>Proposal:<br>Supplement   | Theory and simulation of DNA repair enzymes; mechanism, structure and function  | Research - Basic | National Institutes of Health - NIH               | Federal           | PI         | 9/1/2018   | 0.41              | 0.00%     | 100%          | \$199,038           | Pending |
|  |   | Totals for       | <b>Cisneros, G. Andres</b>                        |                   |            |            |                   |           |               | <b>\$1,278,288</b>  |         |
| <b>Omary, Mohammad</b>   |   |                  |   |                   |            |            |                   |           |               |                     |         |
| 18-0453<br>Proposal:<br>Supplement   | Dawn Rise upon New Chemical Bonds amidst Ground- and Excited-State Bonding Assortments in Luminescent Molecules/Excitons/Polarons | Research - Basic | Robert A. Welch Foundation                        | Not for Profit    | PI         | 6/1/2018   | 0.91              | 0.00%     | 100%          | \$10,000            | Awarded |
|  |   | Totals for       | <b>Omary, Mohammad</b>                            |                   |            |            |                   |           |               | <b>\$10,000</b>     |         |
| <b>Richmond, Michael</b>   |   |                  |   |                   |            |            |                   |           |               |                     |         |
| 18-0452<br>Proposal:<br>Supplement   | Synthesis and Reactivity Studies of Metal Clusters  | Research - Basic | Robert A. Welch Foundation                        | Not for Profit    | PI         | 6/1/2018   | 0.91              | 0.00%     | 100%          | \$10,000            | Awarded |
|  |   | Totals for       | <b>Richmond, Michael</b>                          |                   |            |            |                   |           |               | <b>\$10,000</b>     |         |
|  |   | Totals for       | <b>Chemistry</b>                                  |                   |            |            |                   |           |               | <b>\$1,409,287</b>  |         |

| File Number | Title | Category | Sponsor | Sponsor Type | PI / Co-PI | Start Date | Duration in Years | FA Rate % | Recognition % | Distribution Amount | Status |
|-------------|-------|----------|---------|--------------|------------|------------|-------------------|-----------|---------------|---------------------|--------|
|-------------|-------|----------|---------|--------------|------------|------------|-------------------|-----------|---------------|---------------------|--------|

**Mathematics**

**Wang, Xuexia**

*Wang, X. , Co-PI; Mathematics; Gu, X. , PI; Keller, M. , Co-PI; Zhang, T. , Co-PI; Kinesiology, Health Promotion, & Recreation; Oliveira, D. , Co-PI; Education - Dean's Office*

|                             |   |                  |                                     |         |       |          |      |        |     |          |         |
|-----------------------------|---|------------------|-------------------------------------|---------|-------|----------|------|--------|-----|----------|---------|
| 18-0298<br>Proposal:<br>New | Recess Programming and Classroom Change (RePACC) for Movement and Academic Behavior Promotion in Young Children | Research - Basic | National Institutes of Health - NIH | Federal | Co-PI | 4/1/2019 | 2.66 | 48.50% | 15% | \$68,769 | Pending |
|-----------------------------|---|------------------|-------------------------------------|---------|-------|----------|------|--------|-----|----------|---------|

*Wang, X. , Co-PI; Mathematics; Cisneros, G. , PI; Chemistry*

|                             |   |                  |   |             |       |          |      |       |     |           |         |
|-----------------------------|---|------------------|---|-------------|-------|----------|------|-------|-----|-----------|---------|
| 18-0415<br>Proposal:<br>New | Computational Discovery and Characterization of Cancer Mutants on DNA Transaction Enzymes | Research - Basic | Cancer Prevention and Research Institute of Texas | State of TX | Co-PI | 9/1/2018 | 2.91 | 5.26% | 20% | \$269,812 | Pending |
|-----------------------------|---|------------------|---|-------------|-------|----------|------|-------|-----|-----------|---------|

Totals for **Wang, Xuexia** **\$338,581**

Totals for **Mathematics** **\$338,581**

**Physics**

**Buongiorno Nardelli, Marco**

*Buongiorno Nardelli, M. , PI; Physics; Buongiorno Nardelli, M. , Co-PI; Chemistry*

|                             |   |                  |                                   |                   |    |           |   |        |     |           |         |
|-----------------------------|---|------------------|-----------------------------------|-------------------|----|-----------|---|--------|-----|-----------|---------|
| 18-0476<br>Proposal:<br>New | Q4Q: Quantum Computation for Quantum Prediction of Materials and Molecular Properties | Research - Basic | University of Southern California | Federal Flow Thru | PI | 9/30/2018 | 3 | 48.50% | 80% | \$443,996 | Pending |
|-----------------------------|---|------------------|-----------------------------------|-------------------|----|-----------|---|--------|-----|-----------|---------|

Totals for **Buongiorno Nardelli, Marco** **\$443,996**

**Neogi, Arup**

*Neogi, A. , PI; Physics; Choi, T. , Co-PI; Mechanical & Energy Engineering*

|                                    |   |                    |                                   |         |    |          |      |       |     |         |          |
|------------------------------------|---|--------------------|-----------------------------------|---------|----|----------|------|-------|-----|---------|----------|
| 18-0450<br>Proposal:<br>Supplement | GOALI: EFRI NewLaw: Non-reciprocal effects and Anderson localization of acoustic and elastic waves in periodic structures with broken P-symmetry of the unit cell | Research - Applied | National Science Foundation - NSF | Federal | PI | 6/1/2018 | 0.91 | 0.00% | 50% | \$8,000 | Declined |
|------------------------------------|---|--------------------|-----------------------------------|---------|----|----------|------|-------|-----|---------|----------|

|                                    |  |                  |                                   |         |    |          |      |        |      |          |         |
|------------------------------------|--|------------------|-----------------------------------|---------|----|----------|------|--------|------|----------|---------|
| 18-0474<br>Proposal:<br>Supplement | Optimization of 3D printed phononic structures for topological acoustics and logic devices | Research - Basic | National Science Foundation - NSF | Federal | PI | 8/1/2018 | 0.58 | 26.00% | 100% | \$50,000 | Pending |
|------------------------------------|--|------------------|-----------------------------------|---------|----|----------|------|--------|------|----------|---------|



| File Number                                | Title  | Category         | Sponsor  | Sponsor Type      | PI / Co-PI | Start Date | Duration in Years | FA Rate % | Recognition % | Distribution Amount | Status  |
|--|--|------------------|--|-------------------|------------|------------|-------------------|-----------|---------------|---------------------|---------|
|  |  | Totals for       | <b>Neogi, Arup</b>                               |                   |            |            |                   |           |               | <b>\$58,000</b>     |         |
| <b>Shemmer, Ohad</b>                       |  |                  |  |                   |            |            |                   |           |               |                     |         |
| 18-0435<br>Proposal:<br>New                | Multiwavelength Diagnostics of Quasar Accretion Power                                  | Research - Basic | National Aeronautics Space Administration - NASA | Federal           | PI         | 1/1/2019   | 1.91              | 48.50%    | 100%          | \$201,966           | Pending |
|  |  | Totals for       | <b>Shemmer, Ohad</b>                             |                   |            |            |                   |           |               | <b>\$201,966</b>    |         |
|  |  | Totals for       | <b>Physics</b>                                   |                   |            |            |                   |           |               | <b>\$703,962</b>    |         |
| <b>Teach North Texas</b>                   |  |                  |  |                   |            |            |                   |           |               |                     |         |
| <b>Thompson, Ruthanne</b>                  |  |                  |  |                   |            |            |                   |           |               |                     |         |
| 18-0493<br>Proposal:<br>New                | Expanding and Strengthening STEM Teacher Workforce Through UTeach                      | Instruction      | University of Texas at Austin                    | Federal Flow Thru | PI         | 9/1/2018   | 4.91              | 8.00%     | 100%          | \$1,445,175         | Pending |
|  |  | Totals for       | <b>Thompson, Ruthanne</b>                        |                   |            |            |                   |           |               | <b>\$1,445,175</b>  |         |
|  |  | Totals for       | <b>Teach North Texas</b>                         |                   |            |            |                   |           |               | <b>\$1,445,175</b>  |         |
|  |  | Totals for       | <b>College of Science</b>                        |                   |            |            |                   |           |               | <b>\$4,809,159</b>  |         |
| <b>College of Visual Arts &amp; Design</b> |  |                  |  |                   |            |            |                   |           |               |                     |         |
| <b>Design</b>                              |  |                  |  |                   |            |            |                   |           |               |                     |         |
| <b>Becker, Annette</b>                     |  |                  |  |                   |            |            |                   |           |               |                     |         |
| 18-0425<br>Proposal:<br>New                | Clothing a Community: Recording and Activating Fashion History in the Dallas Metroplex | Public Service   | National Endowment for the Humanities - NEH      | Federal           | PI         | 6/1/2019   | 0.91              | 31.50%    | 100%          | \$11,665            | Pending |
|  |  | Totals for       | <b>Becker, Annette</b>                           |                   |            |            |                   |           |               | <b>\$11,665</b>     |         |
|  |  | Totals for       | <b>Design</b>                                    |                   |            |            |                   |           |               | <b>\$11,665</b>     |         |
|  |  | Totals for       | <b>College of Visual Arts &amp; Design</b>       |                   |            |            |                   |           |               | <b>\$11,665</b>     |         |

| File Number | Title | Category | Sponsor | Sponsor Type | PI / Co-PI | Start Date | Duration in Years | FA Rate % | Recognition % | Distribution Amount | Status |
|-------------|-------|----------|---------|--------------|------------|------------|-------------------|-----------|---------------|---------------------|--------|
|-------------|-------|----------|---------|--------------|------------|------------|-------------------|-----------|---------------|---------------------|--------|

**Research & Innovation**

**Advanced Environmental Research Institute (AERI)**

**Kennedy, James**

|                             |   |                    |                                    |                   |    |           |      |       |      |          |         |
|-----------------------------|---|--------------------|------------------------------------|-------------------|----|-----------|------|-------|------|----------|---------|
| 18-0473<br>Proposal:<br>New | Aquatic herpetofaunal and macroinvertebrate inventory of Camp Maxey in north-east Texas | Research - Applied | Texas Adjutant Generals Department | Federal Flow Thru | PI | 7/14/2017 | 1.08 | 0.00% | 100% | \$43,000 | Awarded |
|-----------------------------|---|--------------------|------------------------------------|-------------------|----|-----------|------|-------|------|----------|---------|

|                   |   |  |  |  |  |  |  |  |  |                     |  |
|-------------------|---|--|--|--|--|--|--|--|--|---------------------|--|
| Totals for        | <b>Kennedy, James</b>                                   |  |  |  |  |  |  |  |  | <b>\$43,000</b>     |  |
| Totals for        | <b>Advanced Environmental Research Institute (AERI)</b> |  |  |  |  |  |  |  |  | <b>\$43,000</b>     |  |
| Totals for        | <b>Research &amp; Innovation</b>                        |  |  |  |  |  |  |  |  | <b>\$43,000</b>     |  |
| Totals for        | <b>UNT</b>  |  |  |  |  |  |  |  |  | <b>\$17,924,808</b> |  |
| <b>Totals for</b> | <b>May FY2018:</b>                                      |  |  |  |  |  |  |  |  | <b>\$17,924,808</b> |  |