## Monthly Expenditures Report for October 2020

Office of Grants and Contracts, University of North Texas

### Expenditures Total by College

<table>
<thead>
<tr>
<th>College</th>
<th>October 2019</th>
<th>October 2020</th>
<th>YTD FY2020</th>
<th>YTD FY2021</th>
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<td>College of Business</td>
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<td>$9,299.01</td>
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**Grand Total:** $2,047,040.58 $3,199,433.38 $3,786,838.84 $5,146,931.40

### Expenditures Total by Category

<table>
<thead>
<tr>
<th>Category</th>
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<th>YTD FY2021</th>
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**Grand Total:** $2,047,040.58 $3,199,433.38 $3,786,838.57 $5,146,931.40

### Expenditures Total by Source of Funding

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<tr>
<th>Source of Funding</th>
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**Grand Total:** $2,047,040.58 $3,199,433.38 $3,786,838.57 $5,146,931.40

**Note:** "Other" Colleges includes UNT Libraries, Honors College, Distributed Learning Support, Office of the Provost and Vice President of Academic Affairs, Vice President for Student Development, Vice President for Research and Economic Development, Enrollment Management and Equity and Diversity. 1 "Other" categories include Academic Support, Student Services, Institutional Support, Scholarships and Fellowships.

last updated 1/4/2021
## Expenditures, October FY2021

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<th>Project ID</th>
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<th>Funding Source</th>
<th>PI / Co-PI</th>
<th>Expended This Period</th>
<th>Recognition %</th>
<th>Recognition Amount</th>
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Office of Grants and Contracts Administration, University of North Texas
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<th>PI / Co-PI</th>
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<th>Recognition Amount</th>
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<tr>
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<td>Modeling and Simulation of the Empowerment of the Patient Healthcare Process</td>
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<td>StratiFi Health</td>
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**College of Education**

**Autism Center**

Middlemiss, Wendy

Middlemiss, W., Co-PI; Nichols, S., PI; Autism Center

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<th>Project ID</th>
<th>Title</th>
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<th>Funding Source</th>
<th>PI / Co-PI</th>
<th>Expended This Period</th>
<th>Recognition %</th>
<th>Recognition Amount</th>
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<td>Texas Higher Education Coordinating Board</td>
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Nichols, Susan Marie

Nichols, S., PI; Middlemiss, W., Co-PI; Autism Center

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<th>Title</th>
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**Counseling & Higher Education**

Cartwright, Angie Denise

Cartwright, A., PI; Ceballos, P., Co-PI; Counseling & Higher Education; Carey, C., Co-PI; Disability & Addiction Rehabilitation

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<tr>
<th>Project ID</th>
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<td>Expanding Cultural and Linguistically Appropriate Services into Integrated Care and Behavioral Health Settings</td>
<td>Public Service</td>
<td>Health Resources &amp; Service Administration</td>
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Ceballos, Peggy Lorena

Ceballos, P., Co-PI; Cartwright, A., PI; Counseling & Higher Education; Carey, C., Co-PI; Disability & Addiction Rehabilitation

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Ceballos, P., Co-PI; Ray, D., PI; Lindo, N., Co-PI; Counseling & Higher Education

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Office of Grants and Contracts Administration, University of North Texas
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<td>OneStar National Service Commission</td>
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<td>UNT ELEVVAR: Inclusive Post-Secondary Education Program for Young Adults with Intellectual Disabilities in Texas</td>
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<td>$0</td>
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<td>Does 90-days of Megasporebiotic Supplementation Reduce on Post-Prandial Responses to a High-Fat Meal?</td>
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<td>Is Recovery from an Intensified Exercise Protocol Accelerated by Consumption of a Boswellia-Curcumin Supplement?</td>
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<td>Unibar Corporation</td>
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<td>PI</td>
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Totals for McFarlin, Brian Keith $156

Olson, Ryan Lee

Olson, R., Co-PI; McFarlin, B., PI; Vingren, J., Co-PI; Kinesiology, Health Promotion, & Recreation; McFarlin, B., PI; Vingren, J., Co-PI; Biological Sciences

GP00026  | Does 90-days of Megasporebiotic Supplementation Reduce on Post-Prandial Responses to a High-Fat Meal? | Research          | Physicians Exclusive, LLC      | Private        | Co-PI       | $228                 | 10%           | $23                |

Totals for Olson, Ryan Lee $23

Vingren, Jakob Langberg

Vingren, J., Co-PI; McFarlin, B., PI; Vingren, J., Co-PI; Kinesiology, Health Promotion, & Recreation; McFarlin, B., PI; Vingren, J., Co-PI; Biological Sciences

GP00022  | Is Recovery from an Intensified Exercise Protocol Accelerated by Consumption of an IminoSugar Supplement? | Research          | Gateway Health Alliances, Inc. | Private        | Co-PI       | $0                   | 36%           | $0                 |

GP00026  | Does 90-days of Megasporebiotic Supplementation Reduce on Post-Prandial Responses to a High-Fat Meal? | Research          | Physicians Exclusive, LLC      | Private        | Co-PI       | $228                 | 13.5%         | $31                |

GP20027  | Is Recovery from an Intensified Exercise Protocol Accelerated by Consumption of a Boswellia-Curcumin Supplement? | Research          | Unibar Corporation             | Private        | Co-PI       | $0                   | 36%           | $0                 |

Totals for Vingren, Jakob Langberg $31

Teacher Education & Administration

Boyd, Rossana R

Boyd, R., PI; Gonzalez-Carriedo, R., Co-PI; Teacher Education & Administration

GF20003  | Success in Language and Literacy Instruction                          | Instruction       | U.S. Department of Education   | Federal        | PI          | $66,700               | 50%           | $33,350            |

Totals for Boyd, Rossana R $33,350

Eddy, Colleen M

Eddy, C., PI; Harrell, P., Co-PI; Teacher Education & Administration; Quintanilla, J., Co-PI; Mathematics; Hughes, L., Co-PI; Biological Sciences

GF1557   | UNT Science and Mathematics Robert Noyce Scholarship                  | Public Service    | National Science Foundation    | Federal        | PI          | ($100)                | 51%           | ($51)              |

Totals for Eddy, Colleen M ($51)

Gonzalez-Carriedo, Ricardo

Gonzalez-Carriedo, R., Co-PI; Boyd, R., PI; Teacher Education & Administration

GF20003  | Success in Language and Literacy Instruction                          | Instruction       | U.S. Department of Education   | Federal        | Co-PI       | $66,700               | 50%           | $33,350            |

Totals for Gonzalez-Carriedo, Ricardo $33,350

Harrell, Pamela Esprivalo
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<td>Harrell, P., Co-PI; Eddy, C., PI; Teacher Education &amp; Administration; Quintanilla, J., Co-PI; Mathematics; Hughes, L., Co-PI; Biological Sciences</td>
<td>UNT Science and Mathematics Robert Noyce Scholarship</td>
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<td>Baylor College of Medicine</td>
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<td>GP20102</td>
<td>Sailors, Misty Marie</td>
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<td>Biomimetic Alveolar Interstitium Model for Investigation of Nanomaterials-induced Fibrogenesis</td>
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**Total for Teacher Education & Administration**

**Total for College of Education**
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**Bozdag, Serdar**

Bozdag, S., PI; Computer Science & Engineering; Bozdag, S., PI; Mathematics

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<th>Funding Source</th>
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<td>Integrating multi-omics datasets to infer phenotype-specific driver genes, regulatory interactions and drug response</td>
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**Dantu, Ramanamurthy**

Dantu, R., PI; Bhomick, S., Co-PI; Morozov, K., Co-PI; Computer Science & Engineering

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**Fu, Song**

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Mikler, Armin R
Office of Grants and Contracts Administration, University of North Texas

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**Electrical Engineering**

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Mehta, G., Co-PI; Electrical Engineering; Choi, W., PI; Materials Science & Engineering; Zha, D., Co-PI; Biomedical Engineering

| GF30081    | EAGER: Flexible wireless joint sensing system for knee arthroplasty  | National Science Foundation | Federal        | Co-PI       | $9,097               | 50%           | $4,549              |

Totals for Mehta, Gayatri $6,845

Materials Science & Engineering

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<th>Aouadi, Samir M</th>
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<td>GF70058 Materials for Internal Combustion Engines</td>
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Aouadi, S., Co-PI; Young, M., PI; Berman, D., Co-PI; Aouadi, S., Co-PI; Materials Science & Engineering; Aouadi, S., Co-PI; Aouadi, S., Co-PI; Physics


Aouadi, S., Co-PI; Young, M., PI; Aouadi, S., Co-PI; Berman, D., Co-PI; Materials Science & Engineering; Aouadi, S., Co-PI; Aouadi, S., Co-PI; Physics

| GF70064 Advanced Manufacturing, Processing and Characterization of Light Weight and Adaptive Materials | Research | US Army Research Laboratory | Federal | Co-PI | $6,129 | 5.328% | $327 |

Aouadi, S., Co-PI; Berman, D., PI; Voevodin, A., Co-PI; Materials Science & Engineering; Aouadi, S., Co-PI; Physics

| GF70082 Materials for Internal Combustion Engines                                      | Research | Army Research Office | Federal | Co-PI | $22,859 | 28% | $6,401 |

Totals for Aouadi, Samir M $8,161

Banerjee, Rajarshi

| GF30070 Collaborative Research: Fine Scale Alpha Precipitation and Resulting Deformation Mechanisms in Titanium Alloys | Research | National Science Foundation | Federal | PI | $8,193 | 100% | $8,193 |

Banerjee, R., Co-PI; Scharf, T., PI; Materials Science & Engineering

| GF40157 Advanced Kinetic Evolution of Oxidation Resistant Structures through Additive Manufacturing | Research | MRL Materials Resources, LLC | Federal | PI | $6,677 | 100% | $6,677 |

| GF70028 Fundamental Mechanistic Investigations of Novel Additively Manufactured Hybrid Materials | Research | Air Force Office of Scientific Research | Federal | Co-PI | $74 | 50% | $37 |

Office of Grants and Contracts Administration, University of North Texas
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Total for Choi, Wonbong: $7,670

Total for Dahotre, Narendra B: $13,880

Total for D’Souza, Francis: $2,634
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**Totals for Mishra, Rajiv Sharan:**

$138,026

**Mukherjee, Sundeep**

*Mukherjee, S., PI; Xia, Z., Co-PI; Materials Science & Engineering; Xia, Z., Co-PI; Chemistry*

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**Totals for Mukherjee, Sundeep**

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**Totals for Reidy III, Richard F**

$23,135

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**Scharf, Thomas W**

**Shepherd, Nigel Dexter**


**Srivilliputhur, Srinivasan G**


**Srivilliputhur, S., Pi; Baskes, M., Co-Pi; Banerjee, R., Co-Pi; Materials Science & Engineering**

| GF70077    | Advanced Manufacturing, Processing and Characterization of Light Weight and Adaptive Materials | Research       | US Army Research Laboratory                  | Federal        | PI          | $10,554              | 50%           | $5,277            |

**Voevodin, Andrey Aleksejevich**

| GF70058    | Materials for Internal Combustion Engines                                | Research       | US Army Research Laboratory                  | Federal        | Co-PI       | $464                 | 33%           | $153              |

| GF70068    | Advanced Manufacturing, Processing and Characterization of Light Weight and Adaptive Materials | Research       | US Army Research Laboratory                  | Federal        | PI          | $10,554              | 50%           | $5,277            |

**Xia, Zhenhai**

<p>| GF70082    | Materials for Internal Combustion Engines                                | Research       | Army Research Office                         | Federal        | Co-PI       | $22,859              | 25%           | $5,715            |</p>
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**Totals for Xia, Zhenhai** $22,329

**Young, Marcus Lynn**

<p>| GF40063    | Adaptive Aerostructures for Revolutionary Civil Supersonic Technologies Development | Research      | Texas A &amp; M Engineering Experiment Station | Federal        | PI          | $726              | 100%          | $726              |
| GF40158    | Novel Surface-Modified Biore sorbable Zinc-Based Stent Materials            | Research      | Stony Brook University                | Federal        | Co-PI       | $9,403              | 50%           | $4,701            |
| GF70064    | Advanced Manufacturing, Processing and Characterization of Light Weight and Adaptive Materials | Research      | US Army Research Laboratory          | Federal        | PI          | $6,129              | 33.34%        | $2,043            |
| GF70070    | Thermo-mechanical Studies on NiTi-based High Temperature Shape Memory Alloys | Research      | National Aeronautics &amp; Space Administration | Federal        | PI          | $5,934              | 100%          | $5,934            |</p>
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**Mechanical & Energy Engineering**

**Bostanci, Huseyin**

| GF40155    | Thermal Radiator for CO2 Deposition in Deep Space Transit               | Research | National Space Grant Foundation | Federal PI | $596 | 100% | $596 |
| GF70080    | Microgravity Vortex Phase Separator for Liquid Amine CO2 Removal System | Research | National Aeronautics & Space Administration | Federal PI | $10,533 | 100% | $10,533 |
| Totals for | Bostanci, Huseyin                                                       |          |                                                                        |                |            |                      |               | $11,129            |

**Choi, Tae-Youl**

| GF30073    | Thermal Conductivity and Diffusivity of Human Cells as Biomarkers in Early-Stage Ovarian Cancer Detection | Research | National Science Foundation | Federal PI | $9,152 | 80% | $7,322 |
| Totals for | Choi, Tae-Youl                                                           |          |                                                                        |                |            |                      |               | $11,366            |

**Choi, Wonbong**

<p>| GF30081    | EAGER: Flexible wireless joint sensing system for knee arthroplasty     | Research | National Science Foundation | Federal PI | $9,097 | 10% | $910 |
| GF70039    | Integrated Flexible Energy System based on Two-Dimensional (2D) Materials | Research | Asian Office of Aerospace Research and Development | Federal PI | $3,142 | 20% | $628 |</p>
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Office of Grants and Contracts Administration, University of North Texas
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Expenditures, October FY2021: Page 24 of 48
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**Totals for** Benavides, Abraham David

**Totals for** Public Administration

**Totals for** College of Health & Public Service $272,702

**College of Information**

**Information Science**

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Zavalina, O., PI; Information Science; Chelliah, S., Co-PI; Linguistics; Phillips, M., Co-PI; Digital Libraries

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**Totals for** Information Science $1,689

**Learning Technologies**

**Christensen, Rhonda R**

Christensen, R., Co-PI; Knezek, G., PI; Tyler-Wood, T., Co-PI; Learning Technologies

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**Knezek, Gerald**

Knezek, G., PI; Tyler-Wood, T., Co-PI; Christensen, R., Co-PI; Learning Technologies

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**Tyler-Wood, Tandra L**

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**Alonso, Ana Paula**

- **Totals for** $54,500

| GP00065    | Global analysis of gene expression in Arabidopsis plants treated with a biostimulant | Research | Agricen Sciences, Inc.        | Private        | $734                 | 100%          | $734              |

**Antunes, Mauricio Schusterschitz**

- **Totals for** $734

| GP1748     | Unraveling the Link Between Carbohydrate Transport and Phosphate Use: Can We Improve Carbon Partitioning and Reduce Nutrient Use? | Research | National Science Foundation   | Federal        | $3,168               | 100%          | $3,168            |

**Ayre, Brian G**

| GP20091    | Redesigning the cotton plant's architecture to improve yield and quality | Research | Cotton Incorporated           | Private        | $4,744               | 50%           | $2,372            |

**Ayre, Brian G; McGarry, R., Co-PI; Biological Sciences**

- **Totals for** $6,644

| GP50010    | Elucidating and manipulating the CLAVATA-WUSCHEL circuit in cotton to understand meristem homeostasis in relation to fruit size and shape | Research | US Israel Binational Agricultural Research & Development- BARD | Private        | $2,207               | 50%           | $1,104            |

**Azad, Rajeev Kumar**

| GF00011    | Zebrafish Thrombopoiesis | Research | National Institutes of Health   | Federal        | $27,850              | 6%            | $1,671            |

**Azad, R., Co-PI; Jagadeeswaran, P., PI; Biological Sciences; Azad, R., Co-PI; Mathematics**

| GF40125    | MCB-BSF: Integrating ROS, redox and cell metabolism across plant and animal cells | Research | University of Missouri-Columbia | Federal        | ($1,751)             | 60%           | ($1,051)          |

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**Totals for Cundari, Thomas Richard**
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**D'Souza, Francis**

*D'Souza, F., PI; Chemistry: D'Souza, F., PI; Materials Science & Engineering*

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**D'Souza, F., Co-PI; Wang, H., PI; Chemistry: D'Souza, F., Co-PI; Materials Science & Engineering**

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**Golden, Teresa D**

*Golden, T., PI; Acree Jr, W., Co-PI; Verbeck IV, G., Co-PI; Chemistry: Verbeck IV, G., Co-PI; Biological Sciences*

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**Ma, Shengqian**

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**Totals for Ma, Shengqian**
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**Marpu, Sreekar Babu**

*Marpu, S., PI; Omary, M., Co-PI; Chemistry*

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**Totals for Xia, Zhenhai**
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**Totals for Chemistry**
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**COS - Student Services**

**Lang, Todd Randal**

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**Totals for Lang, Todd Randal**
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**Totals for COS - Student Services**
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**Institute for Applied Sciences**

**O’Neill II, Martin Joseph**

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**Totals for Institute for Applied Sciences**
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**Mathematics**

**Allaart, Pieter**
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**Physics**

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**Aouadi, Samir M**

- **Aouadi, S., PI; Physics; Aouadi, S., PI; Voevodin, A., Co-PI; Berman, D., Co-PI; Materials Science & Engineering**
  - GF70058   | Materials for Internal Combustion Engines | Research       | US Army Research Laboratory             | Federal        | PI          | $464                 | 6.8%          | $32               |

- **Aouadi, S., Co-PI; Aouadi, S., Co-PI; Physics; Young, M., PI; Aouadi, S., Co-PI; Berman, D., Co-PI; Materials Science & Engineering**
  - GF70064   | Advanced Manufacturing, Processing and Characterization of Light Weight and Adaptive Materials | Research       | US Army Research Laboratory             | Federal        | Co-PI       | $6,129               | 1.332%         | $82               |

- **Aouadi, S., Co-PI; Aouadi, S., Co-PI; Physics; Young, M., PI; Aouadi, S., Co-PI; Berman, D., Co-PI; Materials Science & Engineering**
  - GF70064   | Advanced Manufacturing, Processing and Characterization of Light Weight and Adaptive Materials | Research       | US Army Research Laboratory             | Federal        | Co-PI       | $6,129               | 5.334%         | $327              |
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**Totals for Littler, Christopher Leslie**

### Neogi, Arup

- **GF30038** GOALI: EFRI NewLaw: Non-Reciprocal Effects and Anderson Localization of Acoustic and Elastic Waves in Periodic Structures with Broken PSymmetry of the Unit Cell

- **GF30089** GOALI: EFRI NewLaw: Non-Reciprocal Effects and Anderson Localization of Acoustic and Elastic Waves in Periodic Structures with Broken PSymmetry of the Unit Cell

**Totals for Neogi, Arup**

### Ordonez, Carlos A

- **GF30052** Equilibria of Two Relaxed Plasma Species With One Species Confined by the Space Charge of the Other Species

**Totals for Ordonez, Carlos A**

### Philipose, Usha

- **GF40107** Design and Development of High Performance Microbolometer Using VOx, CNT and Graphene for LWIR Applications

- **GP00055** Measurement of Material Properties of Vanadium Oxide (VOx) Development, Research, and Engineering of Advance MicrobolometersMicrobolometers and ROICs (DREAMR)

**Totals for Philipose, Usha**

### Syllaios, Athanasios John

- **GF40107** Design and Development of High Performance Microbolometer Using VOx, CNT and Graphene for LWIR Applications

**Totals for Syllaios, Athanasios John**

Office of Grants and Contracts Administration, University of North Texas

Expenditures, October FY2021: Page 44 of 48
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Office of Grants and Contracts Administration, University of North Texas

Expenditures, October FY2021: Page 45 of 48
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**McGuinness, Maureen M**

GS00042   OVAG Program

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**Student Affairs - General**

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**Student Engagement**

**UNT TRIO**

**Craig, Detra Danielle**

GF0016   University of North Texas Student Support Services TRIO

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GF20012  University of North Texas Student Support Services

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**Dean, Karen Rawlings**

GF20001  UNT HEB Talent Search

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**Maloney, Beverly Ann**

GF20000  UNT Talent Search

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**Nelson, Tori Lynn**

GF20002  Upward Bound Program

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**Toulouse Graduate School**

**Toulouse Graduate School - Dean's Office**

Oppong, Joseph R

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**University Library**

**Digital Libraries**

**Phillips, Mark Edward**

- **GF70032** Programmatic Extraction of "Documents" from Web Archives
  - Category: Research
  - Sponsor: Institute of Museum and Library Services
  - Funding Source: Federal, PI
  - Expended This Period: $17,907
  - Recognition %: 100%
  - Recognition Amount: $17,907

  By Phillips, M., Co-PI; Digital Libraries; Zavalina, O., PI; Information Science; Chelliah, S., Co-PI; Linguistics

- **GF70044** Exploring Methods and Techniques for Facilitating Access to Digital Language Archives
  - Category: Research
  - Sponsor: Institute of Museum and Library Services
  - Funding Source: Federal, Co-PI
  - Expended This Period: ($793)
  - Recognition %: 33.33%
  - Recognition Amount: ($264)

  Totals for Phillips, Mark Edward: $17,642

  Totals for Digital Libraries: $17,642

**Special Libraries**

**Gieringer, Morgan Davis**

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<th>Dallas Area Rapid Transit</th>
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  Totals for Gieringer, Morgan Davis: $1,285

  Totals for Special Libraries: $1,285

**University Library - General**

**Hawkins, Kevin Scott**

- **GP20086** Developing a Data Trust for Open Access Ebook Usage
  - Category: Research
  - Sponsor: Andrew W. Mellon Foundation
  - Funding Source: Private, PI
  - Expended This Period: $16,265
  - Recognition %: 100%
  - Recognition Amount: $16,265

  Totals for Hawkins, Kevin Scott: $16,265

**Phillips, Mark Edward**

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  Totals for Phillips, Mark Edward: $17,903

  Totals for University Library - General: $34,167

  Totals for University Library: $53,094

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**Honors College**

**Honors College - Dean's Office**

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