In FY16, faculty submitted 888 proposals through the Office of Sponsored Projects. During this same period, there were 165 research awards processed through the Office of Sponsored Projects.

The total research dollars awarded to the University through proposals submitted or contracts negotiated by the Office of Sponsored Projects and gifts designated for research in FY16 is $61,113,488. This total does not include any cost share amounts. Each School/Center contributed to this total as follows:

<table>
<thead>
<tr>
<th>School/Center</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administration</td>
<td>$411,691</td>
</tr>
<tr>
<td>Arts, Technology and Emerging Communication</td>
<td>$99,010</td>
</tr>
<tr>
<td>Behavioral and Brain Sciences</td>
<td>$15,050,359</td>
</tr>
<tr>
<td>Engineering and Computer Sciences</td>
<td>$24,507,002</td>
</tr>
<tr>
<td>Economic, Political &amp; Policy Sciences</td>
<td>$2,151,616</td>
</tr>
<tr>
<td>Jindal School of Management</td>
<td>$286,314</td>
</tr>
<tr>
<td>Natural Science and Mathematics</td>
<td>$10,078,522</td>
</tr>
<tr>
<td>Research Gifts</td>
<td>$8,528,974</td>
</tr>
</tbody>
</table>
Faculty Research Awards

The following are awards that were made earlier in FY16 but received by The University after May 31, 2016 or not previously reported:

O’Toole, Alice, Sparse Heterogeneous Representations and Domain Adaptive Matching for Unconstrained Face Recognition, University of Maryland: $337,500

Branch, Gregory, On the Importance of School Facilities Spending to Student Outcomes, University of Michigan: $274,840

Al-Dhahir, Naofal, Integration of Power Conversion, Energy Management, and Communications Techniques for Electric Vehicles in the Smart Grid, Qatar National Research Fund (a member of Qatar Foundation) NPRP-8-627-2-260: $270,504

Urquhart, Mary, 2016-2017 Texas Mathematics and Science Partnership Professional Development Network, Texas Regional Collaborative: $232,600

Anderson, Phillip, High Resolution Modeling of the Cusp Region Density Anomaly, Aerospace Corp.: $149,865

The following are awards over $100,000 received by UT Dallas faculty from Federal sponsors between June 1, 2016 and August 31, 2016:

Krawczyk, Daniel, Improving Cognitive and Functional Deficits after TBI Using Virtual Technology, Congressional Directed Medical Research W81XWH-16-1-0053: $2,681,401

Du, Heng, Mitochondrial ATP Synthase Dysfunction and Synaptic Stress in Alzheimer's Disease, Natl Institutes of Health R01AG053588: $1,912,500

Panahi, Issa, Smartphone-Based Open Research Platform for Hearing Improvement Studies, Natl Institutes of Health R01DC015430: $1,859,430

Hays, Seth, Evaluation of the Neuromodulatory Mechanisms of Vagus Nerve Stimulation to Improve Motor Rehabilitation after Stroke, Natl Institutes of Health R01NS094384: $1,673,440
**Winkler, Duane**, Molecular Mechanisms of Sod1 Maturation Processes, Natl Institutes of Health R01GM120252: $1,333,409

**Qin, Zhenpeng**, NCS-FO: Sub-millisecond Optically-triggered Compound Release to Study Real-time Brain Activity and Behavior, Natl Science Foundation 1631910: $800,000

**Rugg, Michael**, Effects of Age on Specificity and Control of Recollected Content, Natl Science Foundation 1633873: $543,556

**Lin, Zhiqiang**, TWC: Medium: Collaborative: Systems, Tools, and Techniques for Executing, Managing, and Securing SGX Programs, Natl Science Foundation 1564112, $528,223

**Cardenas, Alvaro**, CAREER: Practical Control Engineering Principles to Improve the Security and Privacy of Cyber-Physical Systems, Natl Science Foundation 1553683: $516,620

**Mills, Candice**, Collaborative Research: How Recognizing Gaps in Explanations Influences Children's Interest in Learning, Natl Science Foundation 1551795: $474,553

**Price, Theodore**, Protease Activated Receptor Type 2 Targeting for Migraine Pain, Natl Institutes of Health R56NS098826: $439,180

**Ploski, Jonathan**, Generation of Viral Based Inducible and Cre Dependent Genome Editing Tools for Neuroscience, Natl Institutes of Health R21MH109945: $420,750

**Hu, Wenchuang**, Nanowire Quantum Effect Devices for Field Effect Single-molecule DNA Sequencing, Natl Science Foundation 1606141: $410,000

**Romero-Ortega, Mario**, Neurointerfacing of Motor and Sensory Submodalities through Molecular Guidance, Natl Institutes of Health R56NS095046: $403,884

**Kim, Jung-Whan**, (PQ9) Prevention of Bleomycin-induced Pulmonary Toxicity by Dichloroacetate (DCA), Natl Institutes of Health R21CA208746: $372,071

**Fahimi, Babak**, Modeling and Mitigation of Acoustic Noise in Switched Reluctance Motor Drives using Mechanical Impulse Response, Natl Science Foundation 1610287: $328,085

**Mittal, Neeraj**, CSR: Small: Design and Optimization of Scalable Concurrent Data Structures for Multi-Core Systems, Natl Science Foundation 1619197: $301,856


**Summers, Tyler**, CRII: CPS: Designing Resilient Strategies and Information Structures for Team Games in Cyber-physical Networks, Natl Science Foundation 1566127: $167,592

Anderson, William, Collaborative Research: Coordinated Experiments and Simulations of Near-Surface Turbulent Flow over Barchan Dunes: Informing Models of Dune Migration and Interaction, Natl Science Foundation 1603254: $152,754

Cardenas, Alvaro, The Role of ICS Testbeds in Security Experiments, NI of Standards and Technology 70NANB16H019: $149,642

Zhang, Jie, Technical Wind Power Forecasting Support, Alliance for Sustainable Energy, LLC XGJ-6-62183-01: $143,983

Castaneda, Maria, Graduate Research Fellowship Program, Natl Science Foundation 1147385: $138,000

The following are awards over $20,000 received by UT Dallas faculty from non-Federal sponsors between June 1, 2016 and August 31, 2016:

Chapman, Sandra, Evidence-Based Training to Assist Texas Veterans and their Families, Texas Health and Human Services Commission 529-16-0088-00003: $388,818

Qin, Zhenpeng, Optical Opening of Blood-Brain Barrier for Brain Tumor Drug Delivery by Plasmonic Nanobubbles, CPRIT RP160770: $200,000

Zheng, Jie, Renal Clearable Nanodelivery System for Triple Negative Breast Cancer Therapy, CPRIT RP160866: $200,000

Kim, Tae Hoon, Defining the Mechanisms of Lymphatic and Lymphovenous Valve Development, Oklahoma Medical Research Foundation, $191,250

Xuan, Zhenyu, Role of Brg1 in Activity-Induced Neuronal Gene Expression and Synaptic Plasticity, University of Texas SW Medical Center: $167,344

Kilgard, Michael, Reversing Speech Sound Processing Deficits in Rett Syndrome, International Rett Syndrome Foundation: $150,000

Hays, Seth, Evaluation of a Novel Therapeutic Intervention to Improve Motor Function in Rett Syndrome, International Rett Syndrome Foundation: $145,104

Zielke, Marjorie, Educational Module for PPE Donning and Doffing, UT Health Science Center at San Antonio: $99,010
Rodrigue, Karen, Links between Brain Iron and Beta-amyloid Deposition in Aging and MCI, Alzheimer’s Association 2016-NIRG-397220 (New Investigator Research Grant): $98,450

Lv, Bing, Ultrahigh Thermal Conductivity Materials, University of Houston: $75,000

Lou, Yifei, Explore Random Sampling for Dose Reduction and Scatter Removal in Cone Beam CT, University of Texas SW Medical Center: $42,410

Ozer, Ozalp, SBIR: A Systematic Approach, Language and Platform for Building and Distributing Interactive Educational Games in Operations Management, Fathomd, Inc. (supported by Natl Science Foundation funding): $35,811

Schmidtke, David, The Role of Spatial Protein Presentation in Kidney Epithelial Cell Tubule Formation, University of Texas SW Medical Center: $35,000