

**The University of Toledo
Office of Research**

Detail of Awards According to Academic Department

Start FY: 1999

Start Date: 7/1/1998

End FY: 1999

End Date: 6/30/1999

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
-------------	----------------------	-------------	----------------------	----------------	-------------------------	-----------------------------	------------------------	----------------------	--------------------

The College of Arts and Sciences

Department of Biology

8498	Gottgens, Johan Simmers, Brenda	PI Co1	Mercury Cycling in Lake Erie Marshes	Envirosafe Services of Ohio	\$1,000	\$0	\$0	\$0	\$1,000
8458	Johnson, Keith	PI	Cadherins in Oral Squamous Cell Carcinomas	National Institutes of Health	\$214,905	\$46,475	\$0	\$8,163	\$223,068
8141	Komuniecki, Patricia	PI	Protein Secretion in Parasitic Nematodes	National Institutes of Health	\$96,406	\$21,406	\$0	\$17,742	\$114,148
8378	Komuniecki, Richard	PI	Volatile Acid Formation in Parasitic Helminths	National Institutes of Health	\$133,559	\$36,527	\$0	\$0	\$133,559
8689	Moorhead, Daryl	PI	The Role of Natural Legacy on Ecosystem Structure and Function in a Polar Desert	University of Alabama	\$47,601	\$10,220	\$0	\$7,959	\$55,560
8536	Moorhead, Daryl	PI	US-New Zealand Cooperative Research: Ecosystem Dynamics in the McMurdo Dry Valleys, Antarctica: A Modeling Synthesis	National Science Foundation	\$23,064	\$0	\$0	\$0	\$23,064
8567	Neher, Deborah	PI	Soil Collembola from Hocking County, Ohio	Ohio Biological Survey	\$500	\$0	\$0	\$0	\$500
8545	Neher, Deborah	PI	Microbiotic Soil Crusts of the Oak Openings, Lucas County, Ohio	Ohio Biological Survey	\$500	\$0	\$0	\$0	\$500

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
8444	Plenefisch, John	PI	Muscle Sarcomere Addition and Attachment Formation In Response to Growth in C. Elegans	Ohio American Heart Association	\$29,806	\$0	\$0	\$17,248	\$47,054
8262	Schaff, John	PI	1999 Ohio Junior Science and Humanities Symposium	Academy of Applied Science	\$17,500	\$0	\$1,600	\$0	\$19,100
8140	Shemshedini, Lirim	PI	Androgen Effects Mediated by AR and Proto-Oncoproteins	National Institutes of Health	\$91,495	\$20,547	\$0	\$35,855	\$127,350
7994	Sinsabaugh, Robert Neher, Deborah	PI Co1	Impact of Atmospheric CO2 Enrichment on Rhizosphere Function	U.S. Department of Agriculture	\$102,307	\$11,582	\$0	\$29,258	\$131,565
8556	Tramer, Elliot	PI	Interactions between the Indigenous Midland Painted Turtle and the Invading Red Eared Slider	Ohio Biological Survey	\$500	\$0	\$0	\$0	\$500
7613	Wheelock, Margaret	PI	Expression of Inappropriate Cadherins in Human Breast Carcinomas	U.S. Department of the Army	\$95,250	\$22,005	\$0	\$7,653	\$102,903
7805	Wheelock, Margaret	PI	Aspects of Cadherin/Catenin Complexes	National Institutes of Health	\$262,030	\$60,030	\$0	\$17,944	\$279,974
8626	Wheelock, Margaret	PI	Expression of Inappropriate Cadherins in Human Breast Carcinomas	U.S. Department of the Army	\$59,844	\$16,122	\$0	\$0	\$59,844
7810	Wheelock, Margaret	PI	Adhesion Molecules in Epidermal Differentiation	University of Pennsylvania	\$67,641	\$14,580	\$0	\$0	\$67,641
<i>Summary for Department of Biology (17 awards)</i>									
Sum					\$1,243,908	\$259,494	\$1,600	\$141,822	\$1,387,330
Percent					7.98%	15.80%	0.10%	2.68%	6.17%

Department of Chemistry

7616	Borgstahl, Gloria	PI	Understanding the Role of Replication Protein A and RAD52 in Breast Cancer	U.S. Department of the Army	\$142,035	\$34,001	\$0	\$0	\$142,035
8588	Borgstahl, Gloria	PI	Crystallization of Native and Phosphorylated RPA	Ohio Cancer Research Associates	\$25,000	\$2,273	\$0	\$13,224	\$38,224
8611	Borgstahl, Gloria Nadarajah, Arunan	PI Co1	Searching for the Best Protein Crystals: Synchrotron Based Mosaicity Measurements of Crystal Quality and Theoretical Modeling	NASA Marshall Space Flight Center	\$53,001	\$0	\$0	\$7,081	\$60,082

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
7674	Davies, Julian	PI	Photo-Fenton Reagents as PDT Sensitizers	Lambda Pharmaceuticals	\$44,594	\$11,686	\$0	\$15,166	\$59,760
8722	Davies, Julian Gano, James	PI Co1	Crystal Screening	Geneva Pharmaceuticals, Inc.	\$17,200	\$3,098	\$0	\$0	\$17,200
8380	Davies, Julian	PI	Iron (III) - Based MR Contrast Agents	Schering Ag	\$25,000	\$5,000	\$0	\$15,224	\$40,224
8600	Dollimore, David	PI	Interaction between Cutting Fluids and Machined Parts	Master Chemical	\$8,500	\$0	\$0	\$0	\$8,500
8183	Funk, Max	PI	Lipoxygenase Structural Studies: Understanding Polyunsaturated Fatty Acid Metabolism at Atomic Resolution	American Heart Association	\$55,000	\$5,000	\$0	\$21,972	\$76,972
8713	Giolando, Dean	PI	Organometallic Precursors for Indium Tin Oxide and Other CVD Materials	Libbey-Owens-Ford	\$95,000	\$24,200	\$0	\$7,959	\$102,959
8704	Giolando, Dean	PI	Molecular Precursors for CVD Materials	First Solar, LLC	\$83,000	\$19,868	\$0	\$10,357	\$93,357
8029	Giolando, Dean	PI	Organoindium Precursors for Indium Tin Oxide and other CVD Materials	Libbey-Owens-Ford	\$80,000	\$18,241	\$0	\$5,824	\$85,824
8398	Gong, Bing	PI	Design of Molecular Solids Based on a Robust Two-Dimensional Hydrogen-Bonded Network	American Chemical Society Petroleum Research Fund	\$60,000	\$0	\$0	\$37,414	\$97,414
8036	Kirchhoff, Jon	PI	Summer Undergraduate Research in Chemistry	Procter & Gamble Foundation	\$3,500	\$0	\$0	\$0	\$3,500
7620	Kirchhoff, Jon	PI	New Methods for Evaluating Cholinergic Toxicity	National Institutes of Health	\$34,357	\$9,495	\$0	\$8,004	\$42,361
8587	Mason, Mark	PI	Modular Construction of Porous Phosphates and Phosphonates of the Group 13 Elements	American Chemical Society Petroleum Research Fund	\$60,000	\$0	\$0	\$35,627	\$95,627
8194	Pinkerton, Alan	PI	Advanced Crystallographic Study on Energetic Materials	Office of Naval Research	\$75,000	\$13,552	\$0	\$76,840	\$151,840
<i>Summary for Department of Chemistry (16 awards)</i>									
Sum					\$861,187	\$146,414	\$0	\$254,692	\$1,115,879
Percent					5.53%	8.91%	0.00%	4.81%	4.96%

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
<u><i>Department of Economics</i></u>									
8342	Lesage, James	PI	Statistical Cleaning (Estimating) of the ES202 Data	Cleveland State University	\$28,751	\$0	\$0	\$11,053	\$39,804
<i>Summary for Department of Economics (1 award)</i>									
Sum					\$28,751	\$0	\$0	\$11,053	\$39,804
Percent					0.18%	0.00%	0.00%	0.21%	0.18%
<u><i>Department of English</i></u>									
8739	Anokye, Akua Duku	PI	Emergency Grant Request for Lecture/Performance by Haile Gerima	Arts Commission of Greater Toledo	\$1,200	\$0	\$0	\$0	\$1,200
8620	Barden, Thomas	PI	A Lecture by Joseph Bruchac: Stories & The Circle of Life	Ohio Humanities Council	\$1,500	\$0	\$1,630	\$365	\$3,495
8225	Bradley, Jane	PI	Blood Sisters - (A Screenplay)	Ohio Arts Council	\$10,000	\$0	\$0	\$0	\$10,000
8188	Geiger, Timothy	PI	Whirligig: A Journal of Language	Arts Commission of Greater Toledo	\$4,900	\$0	\$0	\$0	\$4,900
8044	Lipman, Joel	PI	Toledo Poets Center: Project Support	Ohio Arts Council	\$4,139	\$0	\$3,880	\$4,139	\$12,158
<i>Summary for Department of English (5 awards)</i>									
Sum					\$21,739	\$0	\$5,510	\$4,504	\$31,753
Percent					0.14%	0.00%	0.34%	0.09%	0.14%
<u><i>Department of Geography and Planning</i></u>									
8724	Attoh, Samuel Bailey, Timothy Hoey, Catherine	PI Co1 Co2	Exploring Geography Through the Five Themes: Introduction to the Geography for Life Standards	Ohio Geography Alliance	\$8,173	\$0	\$413	\$69,014	\$77,600
8087	Attoh, Samuel	PI	Introducing Teachers to Themes, Concepts, and Pedagogic Resources in Geography	Ohio State University	\$1,500	\$0	\$0	\$0	\$1,500

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
8775	Bailey, Timothy	PI	Summer Workshop for Northwest Ohio K-12 Teachers	Northwest Ohio Regional Professional Development Center	\$1,080	\$0	\$0	\$0	\$1,080
8783	Bailey, Timothy Hooley, Catherine	PI Co1	Assessing the Effectiveness of Geography Workshops in Northwest Ohio: Searching for Change in the K-12 Curriculum	Association of American Geographers	\$1,000	\$0	\$0	\$0	\$1,000
8280	Czajkowski, Kevin	PI	Terrestrial Environmental Variables Derived from EOS Platform Sensors	NASA Goddard Space Flight Center	\$28,935	\$7,738	\$0	\$8,308	\$37,243
8084	Reid, Neil	PI	Graduate Student Internship Agreement with Toledo-Lucas County Plan Commissions	Toledo-Lucas County Plan Commissions	\$6,000	\$0	\$0	\$7,972	\$13,972
8242	Reid, Neil	PI	Graduate Student Internship Agreement with Fair Housing Center	Fair Housing Center	\$9,000	\$0	\$0	\$12,344	\$21,344
8796	Reid, Neil	PI	Graduate Student Internship Agreement with Fulton County Regional Planning Commission	Fulton County	\$10,000	\$0	\$0	\$8,382	\$18,382
8734	Reid, Neil	PI	Internship with Toledo-Lucas County Planning Commission	City of Toledo	\$4,400	\$0	\$0	\$7,206	\$11,606
8083	Reid, Neil	PI	Graduate Student Internship Agreement with Toledo-Lucas County Plan Commissions	Toledo-Lucas County Plan Commissions	\$6,000	\$0	\$0	\$7,972	\$13,972
8730	Reid, Neil	PI	Graduate Student Internship Agreement With the Regional Growth Partnership	Regional Growth Partnership	\$2,800	\$0	\$0	\$2,551	\$5,351

Summary for Department of Geography and Planning (11 awards)

Sum					\$78,888	\$7,738	\$413	\$123,749	\$203,050
Percent					0.51%	0.47%	0.03%	2.34%	0.90%

Department of Geology

8248	Spongberg, Alison	PI	Characterization of Old Wood Sample from Lake Erie	Lake Erie Protection Fund	\$4,125	\$375	\$0	\$1,201	\$5,326
-------------	-------------------	----	--	---------------------------	---------	-------	-----	---------	---------

Summary for Department of Geology (1 award)

Sum					\$4,125	\$375	\$0	\$1,201	\$5,326
Percent					0.03%	0.02%	0.00%	0.02%	0.02%

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
-------------	----------------------	-------------	----------------------	----------------	-------------------------	-----------------------------	------------------------	----------------------	--------------------

Department of History

8429	Wilcox, Larry	PI	Lessons and Legacies V Teaching Workshop	Holocaust Educational Foundation	\$200	\$0	\$0	\$0	\$200
-------------	---------------	----	--	----------------------------------	-------	-----	-----	-----	-------

Summary for Department of History (1 award)

Sum					\$200	\$0	\$0	\$0	\$200
Percent					0.00%	0.00%	0.00%	0.00%	0.00%

Department of Music

8684	Jex, David	PI	ASCAP Special Award in Music Composition	American Society of Composer, Authors and Publishers	\$500	\$0	\$0	\$0	\$500
-------------	------------	----	--	--	-------	-----	-----	-----	-------

8797	Jex, David	PI	ASCAP Special Award in Music Composition	American Society of Composer, Authors and Publishers	\$400	\$0	\$0	\$0	\$400
-------------	------------	----	--	--	-------	-----	-----	-----	-------

8151	Sherwood, Gayle	PI	A Revised Chronology of the Compositions of Charles Ives (1874-1954)	Sinfonia Foundation	\$1,000	\$0	\$0	\$0	\$1,000
-------------	-----------------	----	--	---------------------	---------	-----	-----	-----	---------

Summary for Department of Music (3 awards)

Sum					\$1,900	\$0	\$0	\$0	\$1,900
Percent					0.01%	0.00%	0.00%	0.00%	0.01%

Department of Physics and Astronomy

8310	Bjorkman, Jon Bjorkman, Karen	PI Co1	Effects of Rotation on Stellar Winds: Asymmetries and Bipolar Structures in Circumstellar Environments	NASA Goddard Space Flight Center	\$100,000	\$24,681	\$0	\$0	\$100,000
-------------	----------------------------------	-----------	--	----------------------------------	-----------	----------	-----	-----	-----------

8112	Bjorkman, Karen	PI	Circumstellar Environments of High-and Intermediate-Mass Stars: From the Pre-main-sequence to LBV's	NASA Goddard Space Flight Center	\$97,214	\$21,894	\$0	\$0	\$97,214
-------------	-----------------	----	---	----------------------------------	----------	----------	-----	-----	----------

8317	Bjorkman, Karen	PI	Investigating the Nature of Circumstellar Envelopes throughout the Life Cycles of Stars	Research Corporation	\$50,000	\$0	\$0	\$0	\$50,000
-------------	-----------------	----	---	----------------------	----------	-----	-----	-----	----------

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
8345	Bjorkman, Karen Bjorkman, Jon	PI Co1	Effects of Rotation and Revised Ionization Balances on Estimates of Mass-Loss Rates for B Stars	NASA Goddard Space Flight Center	\$50,000	\$13,642	\$0	\$7,782	\$57,782
8492	Compaan, Alvin Deng, Xunming	PI Co1	Collaborative Research on Color Plasma Displays with Enhanced Brightness	Electro Plasma, Inc.	\$73,298	\$12,428	\$0	\$0	\$73,298
8507	Compaan, Alvin Deng, Xunming	PI Co1	High Efficiency Thin-Film Cadmium Telluride- and Amorphous-Silicon-Based Solar Cells	National Renewable Energy Laboratory	\$5,000	\$114	\$0	\$3,234	\$8,234
8613	Compaan, Alvin	PI	Laser Scribing and Optical Characterization of Photovoltaics Modules	Solar Cells, Inc.	\$15,211	\$1,992	\$0	\$0	\$15,211
8707	Compaan, Alvin Deng, Xunming Bohn, Randy	PI Co1 Co2	High Efficiency Thin-Film Cadmium Telluride and Amorphous Silicon Based Solar Cells	National Renewable Energy Laboratory	\$179,000	\$43,333	\$0	\$185,710	\$364,710
8467	Compaan, Alvin Deng, Xunming	PI Co1	High Efficiency Thin-Film Cadmium Telluride- Amorphous-Silicon-Based Solar Cells	National Renewable Energy Laboratory	\$6,695	\$950	\$0	\$4,329	\$11,024
8420	Compaan, Alvin	PI	U.S. - Mexico Cooperative Research: Thin-Film Materials for Photovoltaics	National Science Foundation	\$10,500	\$0	\$0	\$0	\$10,500
7993	Curtis, Larry	PI	Semiempirical Studies of Atomic Structure	U.S. Department of Energy	\$74,000	\$17,165	\$0	\$43,213	\$117,213
8165	Deng, Xunming Compaan, Alvin	PI Co1	Acquisition of Hot-wire Deposition Chamber and In Situ Optical Absorption Measurement for Thin Film Solar Cell Fabrication	National Renewable Energy Laboratory	\$49,225	\$0	\$0	\$49,225	\$98,450
8597	Deng, Xunming	PI	Deposition of Diamond-Like-Carbon Films Using rf Plasma Enhanced Chemical Vapor Deposition	Electro Plasma, Inc.	\$3,000	\$890	\$0	\$0	\$3,000
8435	Ellis, David	PI	Research Experiences for Undergraduates in Physics and Astronomy	National Science Foundation	\$27,700	\$0	\$0	\$0	\$27,700
8253	Ellis, David	PI	Physical Science by Inquiry	Miami University	\$7,654	\$0	\$0	\$7,654	\$15,308
8500	Ellis, David Lee, Scott	PI Co1	Research Experiences for Undergraduates in Physics and Astronomy	National Science Foundation	\$51,200	\$0	\$0	\$28,669	\$79,869
8805	Federman, Steven	PI	The Evolution of Interstellar Gas - Massive Stars and the Dispersal of Neutral Material	NASA Goddard Space Flight Center	\$83,000	\$20,358	\$0	\$10,232	\$93,232

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
8023	Federman, Steven	PI	Physical Conditions in Predominantly Atomic Interstellar Clouds	Space Telescope Science Institute	\$28,547	\$7,260	\$0	\$13,174	\$41,721
8122	Federman, Steven Schectman, Richard Cheng, Song	PI Co1 Co2	Oscillator Strengths for Ultraviolet Atomic and Molecular Transitions	NASA Goddard Space Flight Center	\$60,000	\$7,110	\$0	\$7,565	\$67,565
8396	Gao, Bo	PI	Theory of Cold-atom Collisions	National Science Foundation	\$30,000	\$4,930	\$0	\$12,283	\$42,283
7789	Iwamoto, Naoki	PI	Transport Processes in Matter at High Densities and Temperatures	National Science Foundation	\$21,607	\$2,246	\$0	\$28,746	\$50,353
8612	James, Philip	PI	Behavior of Clouds and Polar Condensates on Mars	Jet Propulsion Laboratory	\$18,000	\$0	\$0	\$0	\$18,000
8496	James, Philip	PI	Mars Characterization for Future Missions: Dust Opacities in the Vicinity of the '98 Lander	Jet Propulsion Laboratory	\$28,652	\$7,260	\$0	\$8,418	\$37,070
7997	James, Philip	PI	Mars Mission Science Data Analysis: Seasonal Behavior of Condensates in the Polar Regions	Jet Propulsion Laboratory	\$13,299	\$2,981	\$0	\$0	\$13,299
7996	James, Philip	PI	Mars Characterization for Future Missions: Dust Opacities in the Vicinity of the '98 Lander	Jet Propulsion Laboratory	\$9,964	\$2,904	\$0	\$2,551	\$12,515
6639	James, Philip	PI	Marci: Mars Color Imager	Jet Propulsion Laboratory	\$31,686	\$2,508	\$0	\$0	\$31,686
8497	James, Philip	PI	Mars Mission Science Data Analysis: Seasonal Behavior of Condensates in the Polar Region	Jet Propulsion Laboratory	\$23,922	\$5,110	\$0	\$0	\$23,922
8328	James, Philip	PI	Condensate and Dust Phenomena in the Martian Polar Regions	NASA Goddard Space Flight Center	\$60,600	\$9,328	\$0	\$24,769	\$85,369
8377	Theodosiou, Constanti	PI	Theoretical Investigation and Numerical Simulation of High Pressure Microdischarges	Embry-Riddle Aeronautical University	\$48,982	\$12,528	\$0	\$19,210	\$68,192
8452	Witt, Adolf	PI	Mapping the Diffuse Galactic Light and Extended Red Emission with Pioneer 10 and 11	NASA Goddard Space Flight Center	\$54,176	\$0	\$0	\$0	\$54,176
8557	Witt, Adolf	PI	Optical Properties of Carbonaceous Grain Mantle Materials with Silicon Impurities	NASA Goddard Space Flight Center	\$61,500	\$17,720	\$0	\$67,180	\$128,680

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
8598	Witt, Adolf Deng, Xunming	PI Co1	Near-IR Emission and Absorption Characteristics of Carbonaceous Grain Mantle Materials	NASA Goddard Space Flight Center	\$52,000	\$7,047	\$10,103	\$43,515	\$105,618

Summary for Department of Physics and Astronomy (32 awards)

Sum					\$1,425,632	\$246,379	\$10,103	\$567,459	\$2,003,194
Percent					9.15%	15.00%	0.63%	10.71%	8.91%

Department of Political Science and Public Administration

8350	Balmaceda, Margarita	PI	Fulbright Grant to Belarus	Council for International Exchange of Scholars	\$20,750	\$0	\$0	\$16,315	\$37,065
8693	Denham, Mark Pierce, Deborah	PI Co1	Undergraduate Environmental and Women's Studies: Making the Connection	U.S. Department of Education	\$79,594	\$5,896	\$0	\$141,426	\$221,020

Summary for Department of Political Science and Public Administration (2 awards)

Sum					\$100,344	\$5,896	\$0	\$157,741	\$258,085
Percent					0.64%	0.36%	0.00%	2.98%	1.15%

Department of Psychology

8494	Bullock, Wesley	PI	Graduate Student Externship Agreement with St. Anthony Villa	St. Anthony Villa	\$4,554	\$0	\$0	\$4,755	\$9,309
8493	Bullock, Wesley	PI	Graduate Student Externship Agreement With Harbor Behavioral Health Care	Harbor Behavioral Health Care	\$4,554	\$0	\$0	\$4,755	\$9,309
8290	Bullock, Wesley	PI	Graduate Student Internship Agreement with The Giving Tree	The Giving Tree	\$9,108	\$0	\$0	\$9,458	\$18,566
8293	Bullock, Wesley	PI	Graduate Student Externship Agreement with Unison Behavioral Health Group, Inc.	Unison Behavioral Health Group, Inc.	\$9,108	\$0	\$0	\$9,458	\$18,566
8294	Bullock, Wesley	PI	Graduate Student Externship Agreement with The Medical College of Ohio	Medical College of Ohio	\$4,554	\$0	\$0	\$4,729	\$9,283
8735	Bullock, Wesley	PI	Graduate Student Externship Agreement With Unison Behavioral Healthcare	Unison Behavioral Health Group, Inc.	\$911	\$0	\$0	\$1,716	\$2,627

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
8736	Bullock, Wesley	PI	Graduate Student Externship Agreement between the University of Toledo and St. Anthony Villa	St. Anthony Villa	\$1,822	\$0	\$0	\$3,422	\$5,244
8737	Bullock, Wesley	PI	Graduate Student Externship Agreement between the University of Toledo and Harbor Behavioral Health Care	Harbor Behavioral Health Care	\$1,822	\$0	\$0	\$3,422	\$5,244
8247	Elliott, Robert	PI	Graduate Student Externship Agreement with Bryan Medical Group	Bryan Medical Group	\$12,000	\$12,000	\$0	\$13,392	\$25,392
8696	Funk, Jeanne	PI	A Community Based, Child and Family-Focused Community Mental Health Service Learning Experience	Center for Healthy Communities	\$2,000	\$0	\$0	\$758	\$2,758
8399	Heffner, Rickye Heffner, Henry	PI Co1	Cross-Modal Neuroplasticity in Blind Hamsters	U.S.-Israel Binational Science Fd.	\$9,750	\$750	\$0	\$326	\$10,076
8615	Heffner, Rickye Heffner, Henry Hutson, Kendall	PI Co1 Co2	Evolution of Sensory Systems	National Institutes of Health	\$134,516	\$34,719	\$0	\$97,421	\$231,937
7911	Shore, Wendelyn Smith, Peggy	PI Co1	The Development of Early Word Comprehension: A Partial Knowledge Perspective	National Science Foundation	\$25,656	\$6,803	\$0	\$0	\$25,656
<i>Summary for Department of Psychology (13 awards)</i>									
Sum					\$220,355	\$54,272	\$0	\$153,612	\$373,967
Percent					1.41%	3.30%	0.00%	2.90%	1.66%

Department of Sociology, Anthropology, and Social Work

8636	King, James Ahmed, Mesbah	PI Co1	Graduate Internship with Benefits Comprehensive, Inc.	Benefits Comprehensive, Inc.	\$8,464	\$0	\$0	\$8,974	\$17,438
8381	King, James Ghandakly, Adel	PI Co1	Graduate Student Internship Agreement with Benefits Comprehensive, Inc.	Benefits Comprehensive, Inc.	\$3,835	\$0	\$0	\$4,385	\$8,220
8840	Morrissey, Marietta	PI	Gender and Society Publication	Sociologists for Women and Society	\$1,500	\$0	\$0	\$706	\$2,206
8340	Nigem, Elias T.	PI	Graduate Student Internship Agreement with Lucas Metropolitan Housing Authority	Lucas Metropolitan Housing Association	\$4,858	\$0	\$0	\$9,976	\$14,834

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
<i>Summary for Department of Sociology, Anthropology, and Social Work (4 awards)</i>									
Sum					\$18,657	\$0	\$0	\$24,041	\$42,698
Percent					0.12%	0.00%	0.00%	0.45%	0.19%

Lake Erie Soil and Water Research and Education Center

7891	Sinsabaugh, Robert	PI	Microbial Community Organization in Relation to DOC Processing along Hyporheic Flow Paths	The Institute of Ecosystem Studies	\$34,063	\$7,155	\$0	\$0	\$34,063
8104	Sinsabaugh, Robert	PI	Investigation of Microbial Activity in Seeps Along Williams Ditch	Lake Erie Protection Fund	\$7,500	\$682	\$0	\$5,700	\$13,200
<i>Summary for Lake Erie Soil and Water Research and Education Center (2 awards)</i>									
Sum					\$41,563	\$7,837	\$0	\$5,700	\$47,263
Percent					0.27%	0.48%	0.00%	0.11%	0.21%

Plant and Science Research Facility

8008	Goldman, Stephen	PI	Production of Human Interest Products (HIP's) in Transgenic Soybean Hulls	Ohio Soybean Council	\$61,284	\$3,469	\$0	\$11,051	\$72,335
<i>Summary for Plant and Science Research Facility (1 award)</i>									
Sum					\$61,284	\$3,469	\$0	\$11,051	\$72,335
Percent					0.39%	0.21%	0.00%	0.21%	0.32%

The Humanities Institute

8402	Ray, Roger Blatz, Charles	PI Co1	Support for The University of Toledo Humanities 2000 Project	Clement O. Miniger Memorial Foundation	\$35,000	\$0	\$0	\$0	\$35,000
8658	Ray, Roger Blatz, Charles	PI Co1	Humanities 2000 Project	Clement O. Miniger Memorial Foundation	\$31,000	\$0	\$0	\$0	\$31,000
8815	Ray, Roger Blatz, Charles	PI Co1	Support for Humanities 2000: Sylvania Southview High School	FirstEnergy Foundation	\$4,000	\$0	\$0	\$0	\$4,000

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
<i>Summary for The Humanities Institute (3 awards)</i>									
Sum					\$70,000	\$0	\$0	\$0	\$70,000
Percent					0.45%	0.00%	0.00%	0.00%	0.31%

The Writing Center

8192	Mullin, Joan	PI	Early English Composition Assessment Proposal for Academic Year 1998-99	Ohio Board of Regents	\$15,532	\$0	\$9,282	\$23,669	\$48,483
<i>Summary for The Writing Center (1 award)</i>									
Sum					\$15,532	\$0	\$9,282	\$23,669	\$48,483
Percent					0.10%	0.00%	0.58%	0.45%	0.22%

Number of Awards for The College of Arts and Sciences = 113

Sum					\$4,194,065	\$731,874	\$26,908	\$1,480,294	\$5,701,267
Percent					26.92%	44.56%	1.67%	27.94%	25.35%

The College of Business Administration

Accounting

8485	Raghunathan, Bhanu	PI	Graduate Internship Agreement with Isonetrix, Ltd.	Isonetrix Ltd.	\$4,000	\$0	\$0	\$4,377	\$8,377
<i>Summary for Accounting (1 award)</i>									
Sum					\$4,000	\$0	\$0	\$4,377	\$8,377
Percent					0.03%	0.00%	0.00%	0.08%	0.04%

Information Systems and Operations Management

8291	Raghunathan, T.S.	PI	Graduate Student Internship Agreement with Lucas County Children Services	Lucas County Children Services	\$4,000	\$0	\$0	\$4,377	\$8,377
-------------	-------------------	----	---	--------------------------------	---------	-----	-----	---------	---------

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
8292	Raghunathan, T.S.	PI	Graduate Student Internship Agreement with Lucas County Children Services	Lucas County Children Services	\$8,000	\$0	\$0	\$8,753	\$16,753
8499	Raghunathan, T.S.	PI	Graduate Internship Agreement with Isonetrix, Ltd.	Isonetrix Ltd.	\$4,000	\$0	\$0	\$4,377	\$8,377
8086	Sundararaghavan, P.	PI	The University of Toledo Laboratory (SAP R-3) for Integrated Management through ERP: A Comprehensive Learning Environment	SAP American, Inc.	\$250,000	\$0	\$0	\$0	\$250,000
8085	Sundararaghavan, P.	PI	The University of Toledo Laboratory (SAP R-3) for Integrated Management through ERP: A Comprehensive Learning Environment	SAP American, Inc.	\$75,000	\$0	\$0	\$0	\$75,000

Summary for Information Systems and Operations Management (5 awards)

Sum					\$341,000	\$0	\$0	\$17,507	\$358,507
Percent					2.19%	0.00%	0.00%	0.33%	1.59%

Marketing

8224	Pullins, Ellen Bolman	PI	Peer Mentoring Relationships Among Real Estate Salespeople: Process Functions and their Impact on Mentor, Protégé, and Organization Outcomes	Ohio State University	\$3,920	\$0	\$0	\$0	\$3,920
-------------	-----------------------	----	--	-----------------------	---------	-----	-----	-----	---------

Summary for Marketing (1 award)

Sum					\$3,920	\$0	\$0	\$0	\$3,920
Percent					0.03%	0.00%	0.00%	0.00%	0.02%

Northwest Ohio Center for Labor-Management Cooperation

8454	Fitts, Martin	PI	Toledo Labor Management Citizens Committee	City of Toledo	\$134,477	\$7,612	\$0	\$35,141	\$169,618
8716	Tomasi, Joseph	PI	Centers for the Advancement of Labor-Management Cooperation: Northwest Ohio Center for Labor-Management Cooperation	Ohio Department of Development	\$118,000	\$8,741	\$89,966	\$55,882	\$263,848

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
<i>Summary for Northwest Ohio Center for Labor-Management Cooperation (2 awards)</i>									
Sum					\$252,477	\$16,353	\$89,966	\$91,023	\$433,466
Percent					1.62%	1.00%	5.58%	1.72%	1.93%
<i>Number of Awards for The College of Business Administration = 9</i>									
Sum					\$601,397	\$16,353	\$89,966	\$112,907	\$804,270
Percent					3.86%	1.00%	5.58%	2.13%	3.58%

The College of Education

Administration, College of Education

7982	Burch, Eileen Penn, Delores	PI Co1	Urban Education Services Corps	Council of the Great City Schools	\$61,902	\$3,093	\$33,043	\$45,568	\$140,513
8265	Maynard, Jack	PI	Graduate Student/Presidential Fellowship Agreement with Monroe County Community College	Monroe County Community College	\$10,300	\$0	\$0	\$24,699	\$34,999
8726	Maynard, Jack	PI	The Toledo Para to Teacher Program	Toledo Public Schools	\$59,055	\$0	\$21,000	\$24,788	\$104,843
8243	Maynard, Jack	PI	Graduate Student/Presidential Fellowship Agreement with Northwest State Community College	Northwest State Community College	\$10,300	\$0	\$0	\$24,699	\$34,999
8240	Maynard, Jack	PI	The Toledo PARA to Teacher Program	Toledo Public Schools	\$59,055	\$0	\$0	\$24,788	\$83,843
8244	Maynard, Jack	PI	Graduate Student/Presidential Fellowship Agreement with Owens Community College	Owens Community College	\$10,300	\$0	\$0	\$24,699	\$34,999
8245	Maynard, Jack	PI	Graduate Student/Presidential Fellowship Agreement with Terra Community College	Terra Community College	\$10,300	\$0	\$0	\$24,699	\$34,999
8660	Maynard, Jack	PI	Urban Leadership Academy	Ohio Department of Education	\$70,000	\$0	\$0	\$47,257	\$117,257
8654	Maynard, Jack	PI	Praxis III Pilot - Beginning Teacher Residency	Ohio Department of Education	\$34,500	\$0	\$0	\$0	\$34,500

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
8353	Rusche, Philip	PI	Pathways to Teaching in Ohio's Urban Schools	Ohio Department of Education	\$10,000	\$0	\$28,100	\$37,339	\$75,439
8368	Rusche, Philip Maynard, Jack	PI Co1	Jennings University Partnership/Urban Initiative	Martha Holden Jennings Foundation	\$345,000	\$0	\$0	\$7,782	\$352,782
8671	Rusche, Philip	PI	Camp Attracting Prospective Educators (CAPE)	Ohio Department of Education	\$15,000	\$0	\$0	\$0	\$15,000
8577	Rusche, Philip	PI	Camp Attracting Prospective Educators (CAPE)	Martha Holden Jennings Foundation	\$7,500	\$0	\$0	\$0	\$7,500
8352	Rusche, Philip	PI	Camp Attracting Prospective Educators (CAPE)	Ohio Department of Education	\$15,000	\$0	\$10,000	\$14,106	\$39,106

Summary for Administration, College of Education (14 awards)

Sum					\$718,212	\$3,093	\$92,143	\$300,424	\$1,110,779
Percent					4.61%	0.19%	5.71%	5.67%	4.94%

Counseling and Human Services Education

8665	Warnke, Melanie	PI	School-to-Work Integration Projects: Preservice Teacher Education Framework	Ohio State University Research Foundation	\$9,500	\$0	\$0	\$2,420	\$11,920
8355	Wendt, Robert	PI	Agreement between the United Way and The University of Toledo	United Way	\$11,480	\$0	\$0	\$11,479	\$22,959

Summary for Counseling and Human Services Education (2 awards)

Sum					\$20,980	\$0	\$0	\$13,899	\$34,879
Percent					0.13%	0.00%	0.00%	0.26%	0.16%

Department of Curriculum and Instruction

8484	Czerniak, Charlene Dubrul, Ernest	PI Co1	Toledo Area Partnership in Education: Support Teachers as Resources to Improve Elementary Science (TAPESTRIES)	National Science Foundation	\$1,209,533	\$62,431	\$1,336,810	\$314,384	\$2,860,727
8102	Dinnebeil, Laurie	PI	Delineating the Roles and Responsibilities of Ohio's Service Coordinators: Families' Perspectives	Ohio Department of Health	\$38,562	\$8,834	\$0	\$20,015	\$58,577

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
8464	Dinnebeil, Laurie McInerney, William	PI Co1	New Roles for ECSE Teachers: Preparing for Itinerant Services	U.S. Department of Education	\$108,860	\$8,064	\$0	\$39,034	\$147,894
8335	Sandmann, Alexa	PI	Toledo Area Writing Project	Bowling Green City Schools	\$2,638	\$0	\$0	\$0	\$2,638
8207	Sandmann, Alexa	PI	Toledo Area Writing Project	Toledo Public Schools	\$22,500	\$0	\$0	\$0	\$22,500
7925	Sandmann, Alexa	PI	Toledo Area Writing Project	University of California-Berkeley National Writing Project	\$14,000	\$0	\$0	\$32,037	\$46,037
8206	Sandmann, Alexa	PI	Toledo Area Writing Project	Anthony Wayne Local Schools	\$2,000	\$0	\$0	\$0	\$2,000
8129	Weber, William Shirk, George	PI Co1	IMPACT II: Investigating Mathematics: emPowering All Children and Teachers	Ohio Board of Regents	\$74,911	\$5,549	\$11,700	\$44,173	\$130,784
<i>Summary for Department of Curriculum and Instruction (8 awards)</i>									
Sum					\$1,473,004	\$84,878	\$1,348,510	\$449,643	\$3,271,157
Percent					9.46%	5.17%	83.61%	8.49%	14.55%

Department of Educational Leadership

8438	Mitchell, Jacqueline St. John, Richard	PI Co1	Phase III Urban Leadership Development Program	Miami University	\$52,740	\$2,393	\$0	\$5,910	\$58,650
8081	Piper, James	PI	Northwest Ohio Vocational Education Regional Personnel Development Center Grant	Bowling Green State University	\$33,500	\$0	\$0	\$7,284	\$40,784
<i>Summary for Department of Educational Leadership (2 awards)</i>									
Sum					\$86,240	\$2,393	\$0	\$13,194	\$99,434
Percent					0.55%	0.15%	0.00%	0.25%	0.44%

Department of Educational Psychology, Research and Social Foundations

8252	Hudson, Lynne	PI	Graduate Student Internship Agreement with the Toledo Public Schools Department of Research and Data Analysis	Toledo Public Schools	\$15,000	\$0	\$0	\$12,276	\$27,276
-------------	---------------	----	---	-----------------------	----------	-----	-----	----------	----------

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
<i>Summary for Department of Educational Psychology, Research and Social Foundations (1 award)</i>									
Sum					\$15,000	\$0	\$0	\$12,276	\$27,276
Percent					0.10%	0.00%	0.00%	0.23%	0.12%

Department of Health Promotion and Human Performance

8728	Armstrong, Charles	PI	Graduate Internship Agreement with Toledo Hospital in Athletic Training	Toledo Hospital	\$23,796	\$0	\$0	\$26,700	\$50,496
8807	Kucharewski, Ruthie	PI	Toledo Youth Commission Support for the 1999 National Youth Sports Program	City of Toledo	\$1,500	\$0	\$0	\$0	\$1,500
8786	Kucharewski, Ruthie	PI	Lucas County Support for the National Youth Sports Program	Lucas County Board of Commissioners	\$4,700	\$0	\$0	\$0	\$4,700
8717	Kucharewski, Ruthie	PI	1999 National Youth Sports Program	National Collegiate Athletic Association	\$63,900	\$0	\$0	\$101,800	\$165,700
8450	Kucharewski, Ruthie Plimpton, Carol	PI Co1	City of Toledo Support for the National Youth Sports Program	City of Toledo	\$2,500	\$0	\$0	\$0	\$2,500
8358	Kucharewski, Ruthie	PI	Support for the 1998 National Youth Sports Program	Children's Medical Center of Northwest Ohio	\$10,000	\$0	\$0	\$0	\$10,000
8301	Kucharewski, Ruthie	PI	Lucas County Support for the National Youth Sports Program	Lucas County Commissioners	\$4,700	\$0	\$0	\$0	\$4,700
8286	Plimpton, Carol	PI	Graduate Student Internship Agreement with Central Park West Rehabilitation Center	Central Park West Rehabilitation Center	\$16,996	\$0	\$0	\$12,846	\$29,842
8283	Plimpton, Carol	PI	Graduate Student Internship Agreement with Toledo Area Boy Scouts of America	Boy Scouts of America	\$14,573	\$0	\$0	\$12,072	\$26,645
8281	Plimpton, Carol	PI	Graduate Student Internship Agreement in Athletic Training with Health South Corporation	Health South Corporation	\$80,500	\$0	\$0	\$72,848	\$153,348
8287	Plimpton, Carol	PI	Graduate Student Internship Agreement with the Jewish Community Center	Jewish Community Center	\$9,108	\$0	\$0	\$12,009	\$21,117
8662	Plimpton, Carol	PI	Graduate Student Internship with the Board of Lucas County Commissioners	Lucas County Commissioners	\$5,764	\$0	\$0	\$6,440	\$12,204

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
8089	Plimpton, Carol	PI	Graduate Student Internship Agreement with the Board of Lucas County Commissioners	Lucas County Board of Commissioners	\$7,686	\$0	\$0	\$8,587	\$16,273
8514	Rankin, James	PI	Graduate Internship Agreement with The Toledo Hospital in Athletic Training	Toledo Hospital	\$5,113	\$0	\$0	\$4,804	\$9,917
8289	Rankin, James	PI	Graduate Student Internship Agreement with the Toledo Hospital WellTrack Program	Toledo Hospital	\$14,098	\$0	\$0	\$13,819	\$27,917
8302	Rankin, James	PI	Graduate Student Internship Agreement in Athletic Training with St. Charles Mercy Hospital	St. Charles Hospital	\$8,293	\$0	\$0	\$8,684	\$16,977
8321	Rankin, James	PI	Graduate Student Internship Agreement with Toledo Hospital	Toledo Hospital	\$8,514	\$0	\$0	\$8,789	\$17,303
8515	Rankin, James	PI	Graduate Internship Agreement with The Toledo Hospital in Athletic Training	Toledo Hospital	\$14,178	\$0	\$0	\$14,329	\$28,507
8519	Rankin, James	PI	Agreement for Graduate Student Internship in Athletic Training	Toledo Hospital	\$4,257	\$0	\$0	\$4,395	\$8,652
8552	Rankin, James	PI	Graduate Internship Agreement With Toledo Hospital in Athletic Training	Toledo Hospital	\$28,551	\$0	\$0	\$28,933	\$57,484
8553	Rankin, James	PI	Graduate Internship with Toledo Hospital in Athletic Training	Toledo Hospital	\$5,026	\$0	\$0	\$4,673	\$9,699
8320	Rankin, James	PI	Graduate Student Internship Agreement with Toledo Hospital	Toledo Hospital	\$5,113	\$0	\$0	\$4,804	\$9,917
8288	Rankin, James	PI	Graduate Student Internship Agreement with the Toledo Hospital WellTrack Program	Toledo Hospital	\$94,032	\$0	\$0	\$101,582	\$195,614
8284	Rankin, James	PI	Graduate Student Internship Agreement with The Toledo Hospital Sports Care	Toledo Hospital	\$10,045	\$0	\$0	\$9,347	\$19,392
8285	Rankin, James	PI	Graduate Student Internship Agreement with The Toledo Hospital Sports Care	Toledo Hospital	\$83,412	\$0	\$0	\$80,766	\$164,178
<i>Summary for Department of Health Promotion and Human Performance (25 awards)</i>									
Sum					\$526,355	\$0	\$0	\$538,227	\$1,064,582
Percent					3.38%	0.00%	0.00%	10.16%	4.73%

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
-------------	----------------------	-------------	----------------------	----------------	-------------------------	-----------------------------	------------------------	----------------------	--------------------

Department of Special Education Services

8279	Carroll, Martha	PI	Graduate Student Internship Agreement with Central Catholic High School	Central Catholic High School	\$14,573	\$0	\$0	\$17,174	\$31,747
8270	Carroll, Martha	PI	Graduate Student Internship Agreement with Bittersweet Farms	Autistic Community of Northwest Ohio	\$7,286	\$0	\$0	\$8,587	\$15,873
8661	Carroll, Martha	PI	Graduate Student Internship Agreement with Central Catholic High School	Central Catholic High School	\$14,578	\$0	\$0	\$17,786	\$32,364
8026	McInerney, William Dinnebeil, Laurie	PI Co1	Project Open House: Systems Change to Support Early Childhood Inclusion	U.S. Department of Education	\$134,327	\$27,062	\$0	\$32,687	\$167,014

Summary for Department of Special Education Services (4 awards)

Sum					\$170,764	\$27,062	\$0	\$76,234	\$246,998
Percent					1.10%	1.65%	0.00%	1.44%	1.10%

Number of Awards for The College of Education = 56

Sum					\$3,010,555	\$117,426	\$1,440,653	\$1,403,897	\$5,855,105
Percent					19.32%	7.15%	89.32%	26.50%	26.03%

The College of Engineering

Department of Bioengineering

8109	Dhawan, Atam	PI	Data Mining and Optimization Tools for Developing Engine Parameter Models	NASA Lewis Research Center	\$5,000	\$900	\$0	\$3,393	\$8,393
8478	Fournier, Ronald	PI	A Program to Enhance the Bioengineering Co-Operative Education Program	Whitaker Foundation	\$60,000	\$0	\$0	\$16,940	\$76,940
8705	Johnson, Jeffrey Dhawan, Atam	PI Co1	Modal Filtering with Optimal Wavelet Basis via Neural Networks	NASA Dryden Flight Research Center	\$10,000	\$1,936	\$0	\$2,551	\$12,551
8390	Johnson, Jeffrey	PI	Incorporating Fixed, Adaptive, and Learning Controllers to the Flight Control of a Tailless Fighter Aircraft	Air Force Office of Scientific Research	\$25,000	\$7,308	\$0	\$10,075	\$35,075

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
8214	Lu, Jian-Yu Johnson, Jeffrey King, Roger	PI Co1 Co2	High Frame Rate with Limited Diffraction Beams	National Institutes of Health	\$229,502	\$57,528	\$0	\$37,397	\$266,899
<i>Summary for Department of Bioengineering (5 awards)</i>									
Sum					\$329,502	\$67,672	\$0	\$70,356	\$399,858
Percent					2.12%	4.12%	0.00%	1.33%	1.78%

Department of Chemical and Environmental Engineering

8839	Abraham, Martin	PI	Heterogeneous Catalysis in Supercritical Carbon Dioxide	NSF/Lucent Technologies	\$50,000	\$0	\$0	\$0	\$50,000
8138	Abraham, Martin	PI	Heterogeneous Catalysis in Supercritical Carbon Dioxide	NSF/Lucent Technologies	\$50,000	\$11,488	\$0	\$14,113	\$64,113
8602	Abraham, Martin	PI	REU: Heterogeneous Catalysis in Supercritical CO2	National Science Foundation	\$5,038	\$0	\$0	\$1,549	\$6,587
8633	Bennett, Gary	PI	Air Quality Monitoring	Envirosafe Services of Ohio	\$5,000	\$0	\$0	\$0	\$5,000
8537	Coleman, Maria	PI	Research Experience for Undergraduate Supplement for Emily Pollauf	National Science Foundation	\$5,309	\$0	\$0	\$1,888	\$7,197
8414	Coleman, Maria	PI	Presidential Faculty Fellowship: Collaborative Bioseparation/Gas Separation Support	National Science Foundation	\$89,440	\$8,131	\$0	\$6,000	\$95,440
8806	Coleman, Maria	PI	Presidential Faculty Fellowship: Collaborative Bioseparation/Gas Separation Support	National Science Foundation	\$100,000	\$9,091	\$0	\$54,528	\$154,528
8322	DeWitt, Kenneth Afjeh, Abdollah	PI Co1	Computational Fluid Dynamics Related to Phonation	Bowling Green State University	\$22,262	\$2,024	\$0	\$7,653	\$29,915
8343	DeWitt, Kenneth	PI	Ohio Space Grant Consortium Scholarships and Fellowships: 1998-99	Ohio Space Grant Consortium	\$31,500	\$0	\$0	\$36,128	\$67,628
8338	DeWitt, Kenneth	PI	Improved Model for the Oxidative Pyrolysis of Hydrocarbon Fuels	NASA Lewis Research Center	\$118,196	\$15,177	\$0	\$0	\$118,196
8841	DeWitt, Kenneth	PI	Ohio Space Grant Consortium (OSGC) Scholarships and Fellowships 1999-2000	Ohio Space Grant Consortium	\$35,000	\$0	\$0	\$26,224	\$61,224

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
8476	Dismukes, John	PI	A University-Industry Virtual Alliance For Radical Innovation in Flat Glass Manufacturing	National Science Foundation	\$10,000	\$0	\$0	\$0	\$10,000
8415	Dismukes, John Vonderembse, Mark McNichols, Roger Chen, Frank Bennett, Rebecca	PI Co1 Co2 Co3 Co4	A University-Industry Virtual Alliance For Radical Innovation in Flat Glass Manufacturing	National Science Foundation	\$149,941	\$40,063	\$0	\$105,402	\$255,343
8003	Lipscomb, Glenn	PI	Internally Staged Permeators for H2/CH4 Separations	MG Generon	\$21,000	\$4,820	\$0	\$7,703	\$28,703
8065	Schall, Constance Skrzypczak-Jankun, E	PI Co1	Influence of Impurities on Protein Crystal Growth	NASA Marshall Space Flight Center	\$101,000	\$16,735	\$0	\$50,658	\$151,658
8423	Schall, Constance	PI	Analysis and Modeling of Paraffin Deposition	American Chemical Society Petroleum Research Fund	\$28,336	\$0	\$0	\$19,323	\$47,659
8709	Schall, Constance	PI	The Role of Cyclic Alkanes in Paraffin Deposition	Conoco, Inc.	\$25,000	\$0	\$0	\$22,799	\$47,799
7832	Schall, Constance Sharfstein, Susan Abraham, Martin Nadarajah, Arunan	PI Co1 Co2 Co3	High Performance Liquid Chromatograph for Biochemical Engineering and Environmental Engineering Research	National Science Foundation	\$35,700	\$0	\$0	\$35,700	\$71,400
<i>Summary for Department of Chemical and Environmental Engineering (18 awards)</i>									
Sum					\$882,722	\$107,529	\$0	\$389,668	\$1,272,390
Percent					5.67%	6.55%	0.00%	7.35%	5.66%

Department of Civil Engineering

8276	Gupta, Jiwan	PI	Research Agreement with The Toledo Metropolitan Area Council of Governments	Toledo Metropolitan Area Council of Governments	\$10,439	\$0	\$0	\$4,993	\$15,432
8184	Gupta, Jiwan	PI	Study of Rumble Strips -- As a Collision Avoidance System	Honda R & D Americas, Inc.	\$28,316	\$7,720	\$0	\$5,231	\$33,547

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
8801	Gupta, Jiwan	PI	Field Experimentation to Design Pavement and Sub-drainage System to Control Tufa Formation	Atlas Paving Company	\$7,466	\$1,170	\$0	\$1,095	\$8,561
8550	Heydinger, Andrew	PI	Seasonal and Long-Term Pavement Deformation Instrumentation of Township Road 220, Sandusky County, OH	Ottawa, Seneca, and Sandusky Counties Joint Solid Waste Management District	\$12,731	\$1,694	\$0	\$5,338	\$18,069
8274	Kumar, Ashok Heydinger, Andrew Harrell, James	PI Co1 Co2	Ohio Indoor Subgrant 9 Radon Web Site	Ohio Department of Health	\$10,000	\$0	\$0	\$25,658	\$35,658
8573	McDonald, Blair	PI	Maumee Area of Concern Uncontrolled Waste Site Database	Lake Erie Protection Fund	\$7,500	\$682	\$0	\$7,270	\$14,770
8375	Murnen, George Chou, Eddie Gupta, Jiwan	PI Co1 Co2	Development of a Pavement Management System for the City of Toledo	City of Toledo	\$50,166	\$0	\$0	\$72,016	\$122,182
8277	Parvin, Azadeh	PI	POWRE: Enhancement of Beam-Column Connections Through the Use of Fiber Reinforced Plastic	National Science Foundation	\$10,000	\$0	\$0	\$0	\$10,000
8664	Pickett, Mark	PI	Improvement of Science and Mathematics Skills via Engineering Activities for Inner-City Junior High School Students	Ohio Space Grant Consortium	\$539	\$0	\$0	\$1,231	\$1,770
8127	Pickett, Mark Cooks, Helen Giles, Sammie Fridman, Ella Fetters, Marcia Oliver, Douglas	PI Co1 Co2 Co3 Co4 Co5	T4MS/E (Teaching Teachers to Teach Mathematics and Science via Engineering Activities.	Ohio Board of Regents	\$125,285	\$9,280	\$1,400	\$123,402	\$250,087
8171	Pickett, Mark	PI	Science and Mathematics Teaching Skills Enrichment via Engineering Activities for Junior High School Teachers of Inner-City Migrant Students	Ohio Space Grant Consortium	\$2,016	\$0	\$0	\$4,801	\$6,817
8170	Pickett, Mark	PI	Science and Mathematics Enrichment via Engineering Activities for Inner-City Junior High School Students	Ohio Space Grant Consortium	\$543	\$0	\$0	\$1,200	\$1,743

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
<i>Summary for Department of Civil Engineering (12 awards)</i>									
Sum					\$265,001	\$20,546	\$1,400	\$252,235	\$518,636
Percent					1.70%	1.25%	0.09%	4.76%	2.31%

Department of Electrical Engineering and Computer Science

8401	Alam, Mansoor	PI	ABR Flow Control Schemes Using Washington University Gigabit Networking ATM Switching Kit	Washington University - St. Louis	\$47,850	\$0	\$0	\$0	\$47,850
8238	Jamali, Mohsin	PI	Multiplexing Network Development Systems	Advanced Vehicle Technology	\$1,350	\$0	\$0	\$0	\$1,350
7979	Kapoor, Vik	PI	Micromachined Cantilevered Transmission Line Switches for Microwave Applications	NASA Lewis Research Center	\$22,000	\$0	\$0	\$13,040	\$35,040
8584	Kapoor, Vik	PI	Micromachined Cantilevered Transmission Line Switches for Microwave Applications	NASA John H. Glenn Research Center at Lewis Field	\$22,000	\$0	\$0	\$13,356	\$35,356
8757	Kwatra, Subhash	PI	VLSI Implementation of Communications Systems	NASA John H. Glenn Research Center at Lewis Field	\$25,000	\$6,973	\$0	\$0	\$25,000
7657	Seliga, Thomas	PI	U.S. Department of Transportation Engineering and Meteorological Studies Related to Weather and its Effects on the National Transportation System	U.S. Department of Transportation	\$146,218	\$0	\$0	\$56,211	\$202,429
8487	Serpen, Gursel	PI	Simultaneous Recurrent Neural Networks for Static Optimization	National Science Foundation	\$10,000	\$0	\$0	\$3,826	\$13,826
7778	Serpen, Gursel	PI	Simultaneous Recurrent Neural Networks for Static Optimization	National Science Foundation	\$29,378	\$8,254	\$0	\$5,296	\$34,674
8740	Stuart, Thomas	PI	Battery System for Gen 2 Lilon and NiMH Batteries	DaimlerChrysler Corporation	\$40,984	\$7,133	\$0	\$2,551	\$43,535
8040	Stuart, Thomas	PI	Laboratory Testing of Ni-MH Batteries	Chrysler Corporation	\$73,611	\$17,615	\$0	\$7,703	\$81,314
8193	Stuart, Thomas	PI	Li-Ion Battery Management System	Chrysler Corporation	\$66,767	\$17,176	\$0	\$5,360	\$72,127
8603	Stuart, Thomas	PI	Battery ECU and EQU for ESX-3 Vehicles	Chrysler Corporation	\$24,000	\$6,967	\$0	\$2,806	\$26,806

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
<i>Summary for Department of Electrical Engineering and Computer Science (12 awards)</i>									
Sum					\$509,158	\$64,118	\$0	\$110,149	\$619,307
Percent					3.27%	3.90%	0.00%	2.08%	2.75%

Department of Mechanical, Industrial, and Manufacturing Engineering

8068	Afjeh, Abdollah	PI	Integration of Data Sharing with Propulsion Systems Simulation Models	NASA Lewis Research Center	\$30,000	\$4,259	\$0	\$12,334	\$42,334
8488	Afjeh, Abdollah	PI	Geometry Integration into Numerical Propulsion System Simulation Architecture	NASA John H. Glenn Research Center at Lewis Field	\$60,000	\$7,733	\$0	\$0	\$60,000
8403	Chen, Frank	PI	PFF/PECASE: Hardware-Based Simulator for Real-Time Control and Optimization of Flexible Manufacturing Systems - REU	National Science Foundation	\$10,000	\$0	\$0	\$0	\$10,000
8630	Chen, Frank	PI	Hardware-Based Simulator for Real-Time Control and Optimization of Flexible Manufacturing Systems	National Science Foundation	\$100,000	\$9,091	\$0	\$86,393	\$186,393
8058	Fatemi, Ali	PI	Torsional Fatigue and Deformation of Vanadium-Based Microalloyed Steels - (DANA Corp.)	The Edison Industrial Systems Center	\$90,944	\$14,908	\$0	\$30,633	\$121,577
8542	Fatemi, Ali	PI	Strain-Controlled Fatigue Performance for Design Optimization of Critical Bar Steel Automotive Components	American Iron and Steel Institute	\$75,000	\$9,100	\$0	\$9,245	\$84,245
8652	Fatemi, Ali	PI	An Experimental Study of Multiaxial Fatigue in Rubber	Cooper Tire and Rubber, Inc.	\$36,879	\$1,619	\$0	\$11,298	\$48,177
7930	Hefzy, M. Naganathan, G.	PI Co1	Analysis, Modeling, and Experimental Validation of the Three-Dimensional Dynamic Response of the Human Knee Joint	National Science Foundation	\$76,930	\$18,746	\$0	\$58,363	\$135,293
8070	Huang, Samuel	PI	Parallel Distributed Manufacturing Knowledge Acquisition: A Neural Network/Fuzzy Logic Based Approach	Ohio Aerospace Institute, Inc.	\$29,924	\$5,196	\$0	\$21,541	\$51,465
8269	Keith, Theo	PI	Developments of an Aeroelastic Analysis Including a Viscous Flow Model	NASA Lewis Research Center	\$106,218	\$14,182	\$0	\$0	\$106,218

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
8741	Keith, Theo	PI	Centrifugal Compressor Aeroelastic Analysis Code	NASA John H. Glenn Research Center at Lewis Field	\$33,731	\$4,551	\$0	\$0	\$33,731
8271	Keith, Theo	PI	Application of Aeroelastic Solvers Based on Navier-Stokes Equations	NASA Lewis Research Center	\$106,112	\$14,182	\$0	\$0	\$106,112
8050	Keith, Theo	PI	Experimental and Analytical Investigation of Solid-Lubricated Backup Bearings	NASA Lewis Research Center	\$30,000	\$8,712	\$0	\$7,703	\$37,703
8559	Keith, Theo	PI	Study of Wave Journal Bearings with Liquid Lubricants	NASA John H. Glenn Research Center at Lewis Field	\$30,000	\$3,934	\$0	\$0	\$30,000
8272	Keith, Theo	PI	Aeroelastic Stability and Response to Rotating Structures	NASA Lewis Research Center	\$108,509	\$14,752	\$0	\$0	\$108,509
8266	Keith, Theo	PI	Aeroelastic Analysis for Aero propulsion Applications	NASA Lewis Research Center	\$56,454	\$15,503	\$0	\$7,647	\$64,101
8326	Keith, Theo	PI	Computation of Reacting Flows in Combustion Processes using Unstructured Grids	NASA Lewis Research Center	\$123,047	\$16,355	\$0	\$0	\$123,047
8742	Keith, Theo	PI	Multi-Stage Aeroelastic Analysis for Propulsion	NASA John H. Glenn Research Center at Lewis Field	\$33,731	\$4,551	\$0	\$0	\$33,731
8304	Keith, Theo	PI	Study of Wave Journal Bearings with Liquid Lubricants	NASA Lewis Research Center	\$30,000	\$3,934	\$0	\$0	\$30,000
8413	Keith, Theo	PI	Development of a Super Mobility Method for the Analysis of Journal Bearings Subjected to Dynamic Loading	Federal-Mogul Corporation	\$12,000	\$2,000	\$0	\$1,969	\$13,969
8348	Keith, Theo	PI	Numerical Simulation of Flow in a Rotating Angled Tube	Federal-Mogul Corporation	\$15,787	\$0	\$0	\$15,171	\$30,958
8339	Keith, Theo	PI	Computational Simulation of Composite Behavior	NASA Lewis Research Center	\$114,659	\$15,408	\$0	\$0	\$114,659
8261	Keith, Theo	PI	Aeroelastic Analysis for Aero propulsion Applications	NASA Lewis Research Center	\$78,828	\$21,397	\$0	\$7,908	\$86,736
8119	Leo, Donald Naganathan, G.	PI Co1	Vehicular Applications of Smart Material System	Chrysler Corporation	\$29,960	\$7,986	\$0	\$10,462	\$40,422

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
8334	Marinescu, Ioan	PI	UT-EISC Abrasive Micro-Machining Laboratory Partnership	The Edison Industrial Systems Center	\$20,000	\$0	\$0	\$0	\$20,000
8249	Marinescu, Ioan	PI	Abrasive Micro-Machining Laboratory Industrial Consortium	Warren Diamond Powders, Inc.	\$18,000	\$0	\$0	\$0	\$18,000
8313	Marinescu, Ioan	PI	Abrasive Micro-Machining Laboratory Industrial Consortium	Dana Corporation	\$18,000	\$0	\$0	\$0	\$18,000
8663	Marinescu, Ioan	PI	Abrasive Micro-Managing Laboratory Industrial Consortium	Oliver Instrument Company	\$18,000	\$0	\$0	\$0	\$18,000
8601	Marinescu, Ioan	PI	Abrasive Micro-Machining Laboratory Consortium	Acme Manufacturing Company	\$18,000	\$0	\$0	\$0	\$18,000
8393	Marinescu, Ioan	PI	Abrasive Micro-Machining Consortium	Ohio Department of Development	\$187,440	\$32,442	\$0	\$122,194	\$309,634
8688	Naganathan, G.	PI	NVH Improvement Techniques for Automotive Seats	DaimlerChrysler Corporation	\$56,128	\$7,308	\$0	\$22,784	\$78,912
8318	Naganathan, G.	PI	Power Efficiency of Active Structural-Acoustic Control Systems	Virginia Polytechnical Institute	\$25,647	\$6,679	\$0	\$7,653	\$33,300
8462	Naganathan, G.	PI	Development of a Vehicle Engineering Program	Dana Corporation	\$72,000	\$7,714	\$0	\$32,647	\$104,647
7938	Naganathan, G.	PI	Modeling of Net Shape Multi-Layer Smart Patches for Active Structural Control	Material Systems, Inc.	\$77,474	\$13,728	\$0	\$85,641	\$163,115
8638	Naganathan, G.	PI	Driveline Design Methodologies for Industrial & Off-highway Applications	Dana Corporation	\$70,000	\$11,667	\$0	\$28,951	\$98,951
7921	Ng, Terry	PI	Active Reduction of Skin Friction Drag	Eidetics Corporation	\$75,910	\$9,627	\$0	\$49,523	\$125,433
8554	Olson, Walter	PI	Environmentally Conscious Design and Manufacturing with Input-Output Analysis and Markovian Decision Making	National Science Foundation	\$59,694	\$6,309	\$0	\$6,502	\$66,196
<i>Summary for Department of Mechanical, Industrial, and Manufacturing Engineering (37 awards)</i>									
Sum					\$2,135,006	\$313,573	\$0	\$636,562	\$2,771,568
Percent					13.70%	19.09%	0.00%	12.01%	12.32%

Polymer Institute

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
8460	Jabarin, Saleh	PI	Industrial Consortium For Poly(Ethylene Terephthalate), PET, Research	Evian SA	\$25,000	\$0	\$0	\$0	\$25,000
8648	Jabarin, Saleh	PI	Research Performed for Indodrama Synthetics by the Polymer Institute	Indodrama Synthetics, Tbk	\$1,385	\$0	\$0	\$0	\$1,385
8382	Jabarin, Saleh	PI	Research Performed for Uniform Color Company	Uniform Color Company	\$1,035	\$0	\$0	\$0	\$1,035
8383	Jabarin, Saleh	PI	Research Performed for Owens-Illinois	Owens Illinois, Inc.	\$41,910	\$0	\$0	\$0	\$41,910
8384	Jabarin, Saleh	PI	Research Performed for Parkland Plastics	Parkland Plastics	\$250	\$0	\$0	\$0	\$250
8385	Jabarin, Saleh	PI	Research Performed for Hoechst Celanese Corporation	Hoechst Celanese Corporation	\$8,400	\$0	\$0	\$0	\$8,400
8386	Jabarin, Saleh	PI	Research Performed for Dow Chemical Company	Dow Chemical	\$23,800	\$0	\$0	\$0	\$23,800
8387	Jabarin, Saleh	PI	True Heat-Set PET	Schmalbach-Lubeca	\$10,000	\$0	\$0	\$0	\$10,000
8388	Jabarin, Saleh	PI	Industrial Consortium For Poly(Ethylene Terephthalate), PET, Research	Shell Oil Company	\$15,000	\$0	\$0	\$0	\$15,000
8455	Jabarin, Saleh	PI	Research Performed for Fremont Plastic Products	Fremont Plastic Products, Inc.	\$1,650	\$0	\$0	\$0	\$1,650
8197	Jabarin, Saleh	PI	Research Performed for Kysor Medallion	Kysor Medallion	\$6,200	\$0	\$0	\$0	\$6,200
8625	Jabarin, Saleh	PI	Industrial Consortium For Poly(Ethylene Terephthalate), PET, Research	Pepsi-Cola	\$20,000	\$0	\$0	\$0	\$20,000
8336	Jabarin, Saleh	PI	UT-EISC Polymer Institute Partnership	The Edison Industrial Systems Center	\$20,000	\$0	\$0	\$0	\$20,000
8647	Jabarin, Saleh	PI	Industrial Consortium For Poly(Ethylene Terephthalate), PET, Research	Schmalbach-Lubeca	\$15,000	\$0	\$0	\$0	\$15,000
8389	Jabarin, Saleh	PI	Modification of Olefin Polymers with Quinacridone Red and Related Dopants	Owens Illinois, Inc.	\$25,000	\$0	\$0	\$0	\$25,000
8649	Jabarin, Saleh	PI	Research for Uniloy Milicron Performed by the Polymer Institute	Uniloy Milacron, Inc.	\$17,250	\$0	\$0	\$0	\$17,250
8655	Jabarin, Saleh	PI	Research Performed for Blako Industries by the Polymer Institute	Blako Industries, Inc.	\$375	\$0	\$0	\$0	\$375

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
8656	Jabarin, Saleh	PI	Research Performed for General Motors by the Polymer Institute	General Motors	\$1,200	\$0	\$0	\$0	\$1,200
8673	Jabarin, Saleh	PI	True Heat-Set PET	Schmalbach-Lubeca	\$5,000	\$0	\$0	\$0	\$5,000
8674	Jabarin, Saleh	PI	Research Performed for EVAL Co. of America by the Polymer Institute	EVAL Company of America	\$4,200	\$0	\$0	\$0	\$4,200
8692	Jabarin, Saleh	PI	Research Performed for Coca-Cola by the Polymer Institute	Coca-Cola	\$5,000	\$0	\$0	\$0	\$5,000
8732	Jabarin, Saleh	PI	Industrial Consortium For Poly(Ethylene Terephthalate), PET, Research	Coca-Cola	\$15,000	\$0	\$0	\$0	\$15,000
8776	Jabarin, Saleh	PI	Research Performed for Husky Injection Molding Systems by the Polymer Institute	Husky Injection Molding Systems, Inc.	\$2,400	\$0	\$0	\$0	\$2,400
8777	Jabarin, Saleh	PI	Research Performed for Advanced Drainage Systems by the Polymer Institute	Advanced Drainage Systems, Inc.	\$400	\$0	\$0	\$0	\$400
8784	Jabarin, Saleh	PI	Industrial Consortium For Poly(Ethylene Terephthalate), PET, Research	Tetra Pak (Suisse), S.A.	\$14,975	\$0	\$0	\$0	\$14,975
9264	Jabarin, Saleh	PI	Industrial Consortium For Poly(Ethylene Terephthalate), PET, Research	SK Chemicals	\$15,000	\$0	\$0	\$0	\$15,000
8637	Jabarin, Saleh	PI	Industrial Consortium For Poly(Ethylene Terephthalate), PET, Research	Dow Europe S.A.	\$14,985	\$0	\$0	\$0	\$14,985
8461	Jabarin, Saleh	PI	Agreement between The University of Toledo and the Edison Industrial System Center Supporting the PET Consortium	The Edison Industrial Systems Center	\$220,000	\$0	\$0	\$0	\$220,000
8332	Jabarin, Saleh	PI	Industrial Consortium For Poly(Ethylene Terephthalate), PET, Research	Eastman Chemical Company	\$15,000	\$0	\$0	\$0	\$15,000
8456	Jabarin, Saleh	PI	Research Performed for Plastic Technologies	Plastic Technologies, Inc.	\$4,400	\$0	\$0	\$0	\$4,400
8472	Jabarin, Saleh	PI	Industrial Consortium For Poly(Ethylene Terephthalate), PET, Research	Graham Packaging	\$20,000	\$0	\$0	\$0	\$20,000
8482	Jabarin, Saleh	PI	Industrial Consortium For Poly(Ethylene Terephthalate), PET, Research	Crown Cork & Seal	\$25,000	\$0	\$0	\$0	\$25,000
8483	Jabarin, Saleh	PI	Research performed for Associated Packaging Enterprises	Associated Packaging Enterprises, Inc	\$2,000	\$0	\$0	\$0	\$2,000

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
8329	Jabarin, Saleh	PI	Research Performed for Boston Scientific	Boston Scientific	\$8,285	\$0	\$0	\$0	\$8,285
8330	Jabarin, Saleh	PI	Research Performed for Morton International	Morton International	\$1,900	\$0	\$0	\$0	\$1,900
8331	Jabarin, Saleh	PI	Research Performed for Mobil Chemical Company	Mobil Chemical Company	\$850	\$0	\$0	\$0	\$850
8624	Jabarin, Saleh	PI	Industrial Consortium For Poly(Ethylene Terephthalate), PET, Research	Amoco Corporation	\$15,000	\$0	\$0	\$0	\$15,000
<i>Summary for Polymer Institute (37 awards)</i>									
Sum					\$622,850	\$0	\$0	\$0	\$622,850
Percent					4.00%	0.00%	0.00%	0.00%	2.77%

Number of Awards for The College of Engineering = 121

Sum					\$4,744,239	\$573,438	\$1,400	\$1,458,970	\$6,204,609
Percent					30.45%	34.91%	0.09%	27.54%	27.59%

The College of Law

College of Law

8800	Kennedy, Robin	PI	Reinberger Summer Honors Program in Prosecution	Reinberger Foundation	\$71,250	\$0	\$0	\$0	\$71,250
8774	Mostaghel, Deborah	PI	1999 Minority Summer High School Law Program	Ohio State Bar Foundation	\$13,032	\$0	\$0	\$25,303	\$38,335
<i>Summary for College of Law (2 awards)</i>									
Sum					\$84,282	\$0	\$0	\$25,303	\$109,585
Percent					0.54%	0.00%	0.00%	0.48%	0.49%

Number of Awards for The College of Law = 2

Sum					\$84,282	\$0	\$0	\$25,303	\$109,585
Percent					0.54%	0.00%	0.00%	0.48%	0.49%

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
-------------	----------------------	-------------	----------------------	----------------	-------------------------	-----------------------------	------------------------	----------------------	--------------------

The College of Pharmacy

Department of Medicinal and Biological Chemistry

8486	Hudson, Richard	PI	Reflux Esophagitis	Tulane University	\$23,763	\$0	\$0	\$9,135	\$32,898
8421	Messer, William	PI	Development of Novel Muscarinic Agonists	National Institutes of Health	\$176,431	\$41,765	\$0	\$8,418	\$184,849
8459	Messer, William Peseckis, Steven Nagy, Peter	PI Co1 Co2	Molecular Studies of Muscarinic Receptor Subtypes	National Institutes of Health	\$161,144	\$38,461	\$0	\$7,908	\$169,052
8215	Peseckis, Steven	PI	Inhibitors of G Protein Cancer Activity	American Cancer Society, Ohio Division	\$20,000	\$1,818	\$0	\$0	\$20,000
8018	Slama, James	PI	ADP Ribose Polymer Catabolism	American Cancer Society, Ohio Division	\$20,000	\$1,818	\$0	\$27,248	\$47,248
8159	Tillekeratne, L.M.V. Hinman, Channing	PI Co1	Anticancer Agents Incorporating a Shared Taxol-Epothilone Pharmacophore	Elsa U. Pardee Foundation	\$58,964	\$0	\$0	\$40,544	\$99,508
8250	Wall, Katherine	PI	Role of Th1 and Th2 Responses in Myasthenia Gravis	University of Texas Health Science Center at San Antonio	\$106,831	\$24,104	\$0	\$5,500	\$112,331

Summary for Department of Medicinal and Biological Chemistry (7 awards)

Sum					\$567,133	\$107,966	\$0	\$98,753	\$665,886
Percent					3.64%	6.57%	0.00%	1.86%	2.96%

Department of Pharmacology

8416	Bachmann, Kenneth	PI	A Multicenter, Double-Blind, Placebo- and Active-Comparator-Controlled, Crossover Study to Measure the Effect of a Single Dose of L-771,688, and a Single Dose of Tamsulosin on Urine Flow Parameters in Patients with Clinical BPH	Merck Research Labs	\$34,012	\$3,092	\$0	\$0	\$34,012
-------------	-------------------	----	---	---------------------	----------	---------	-----	-----	----------

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
8643	Bachmann, Kenneth	PI	A Multicenter Study to Evaluate the Effect of Coadministered Azithromycin Therapy on the Pharmacokinetics of Cyclosporine in Transplant Patients with Stable Renal Function	Pfizer, Inc.	\$62,380	\$8,137	\$0	\$0	\$62,380
8769	Bachmann, Kenneth	PI	A Double-Blind, Parallel Study to Investigate the Effect of MK-0966 (12.5, 25, and 50mg) on Oral Methotrexate Pharmacokinetics in Rheumatoid Arthritis Patients	Merck Research Labs	\$75,718	\$4,938	\$0	\$0	\$75,718
8639	Belloto, Robert	PI	Validation of HPLC Method for Phenolics in Echinacea	Institute for Nutraceutical Advancement	\$3,000	\$468	\$0	\$0	\$3,000
8738	Belloto, Robert	PI	Validation of a Gas Chromatograph Method for Sterol Content in Saw Palmetto	Institute for Nutraceutical Advancement	\$6,500	\$1,858	\$0	\$0	\$6,500
8039	Huang, Boji Bachmann, Kenneth	PI Co1	Green Tea Consumption and Coronary Heart Disease	National Institutes of Health	\$52,213	\$11,745	\$0	\$0	\$52,213
<i>Summary for Department of Pharmacology (6 awards)</i>									
Sum					\$233,823	\$30,238	\$0	\$0	\$233,823
Percent					1.50%	1.84%	0.00%	0.00%	1.04%

Department of Pharmacy Practice

8518	Martin, Steven	PI	Multi-center Surveillance of Antibiotic Susceptibility to Respiratory Pathogens Using the E-Test	Bayer Corporation	\$2,500	\$0	\$0	\$0	\$2,500
8599	Martin, Steven Hicks, Charles	PI Co1	University of Toledo/St. Vincent Medical Center Pharmacy Residency Program	St. Vincent Medical Center	\$23,292	\$0	\$0	\$0	\$23,292
8364	Martin, Steven	PI	A Phase III Study to Determine the Efficacy and Safety for Recombinant Human Activated Protein C in Severe Sepsis	Lilly Research Laboratories	\$85,000	\$16,600	\$0	\$0	\$85,000
8351	Martin, Steven	PI	In Vitro Activity of Ciprofloxacin Alone and in Combination with Ceftazidime, Cefepime, Piperacillin, and Gentamicin against <i>Alcaligenes xylosoxidans</i> subspecies <i>xylosoxidans</i>	Bayer Corporation	\$4,995	\$991	\$0	\$0	\$4,995

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
8333	Martin, Steven Manduru, Madhavi	PI Co1	Determination of In Vivo Antibiotic Effects on Human Neutrophil Function: Effect of Gentamicin, Ceftazidime, and Trovafloxacin on Phagocytosis, Chemotaxis and Bactericidal Activity ex vivo	Society of Infectious Diseases Pharmacists	\$19,879	\$0	\$0	\$2,373	\$22,252
8528	Martin, Steven	PI	A Comparison of Low-Dose Dopamine Infusion Against Continuous Infusion Furosemide in Critically Ill Oliguric Patients	Kidney Foundation of Northwest Ohio	\$4,999	\$0	\$0	\$586	\$5,585

Summary for Department of Pharmacy Practice (6 awards)

Sum					\$140,665	\$17,591	\$0	\$2,959	\$143,624
Percent					0.90%	1.07%	0.00%	0.06%	0.64%

Number of Awards for The College of Pharmacy = 19

Sum					\$941,621	\$155,795	\$0	\$101,712	\$1,043,333
Percent					6.04%	9.49%	0.00%	1.92%	4.64%

University College

Administration, University College

8804	Mostaghel, Deborah	PI	1999 Minority Summer High School Law Program	Toledo Bar Association	\$5,000	\$0	\$0	\$0	\$5,000
-------------	--------------------	----	--	------------------------	---------	-----	-----	-----	---------

Summary for Administration, University College (1 award)

Sum					\$5,000	\$0	\$0	\$0	\$5,000
Percent					0.03%	0.00%	0.00%	0.00%	0.02%

Urban Affairs Center

8466	Randall, Ronald	PI	Ohio Urban University Demo Program	Ohio Board of Regents	\$241,824	\$0	\$0	\$248,428	\$490,252
8319	Randall, Ronald	PI	CATNeT (Coalition to Access Technology and Networking in Toledo)	The Toledo Community Foundation	\$22,693	\$0	\$0	\$14,431	\$37,124

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
8517	Randall, Ronald Wuest, Susan	PI Co1	City Auditor Intern Program	City of Toledo	\$3,416	\$0	\$0	\$4,159	\$7,575
8727	Randall, Ronald Wuest, Susan	PI Co1	City Auditor Intern Program	City of Toledo	\$10,180	\$0	\$0	\$12,799	\$22,979
8300	Randall, Ronald	PI	Ohio Economic Development Information Network	Cleveland State University	\$10,000	\$0	\$0	\$0	\$10,000
8710	Randall, Ronald Wuest, Susan	PI Co1	City Council Internship Program	City of Toledo	\$114,107	\$0	\$0	\$138,989	\$253,096
8733	Randall, Ronald Lindquist, Peter Edwards, Mary	PI Co1 Co2	State of Ohio's Regions Health Study	Cleveland State University	\$12,000	\$0	\$0	\$21,163	\$33,163

Summary for Urban Affairs Center (7 awards)

Sum					\$414,220	\$0	\$0	\$439,969	\$854,189
Percent					2.66%	0.00%	0.00%	8.30%	3.80%

Number of Awards for University College = 8

Sum					\$419,220	\$0	\$0	\$439,969	\$859,189
Percent					2.69%	0.00%	0.00%	8.30%	3.82%

University Community and Technical College

Administration, University Community and Technical College

8267	Gerlach, James	PI	Two-Year College Strategic Plan	Ohio Department of Education	\$70,525	\$0	\$0	\$25,367	\$95,892
8306	Lettman, Dennis	PI	Job Preparation Supplemental Funding	Ohio Board of Regents	\$50,000	\$3,235	\$0	\$18,769	\$68,769
8211	Lettman, Dennis	PI	Project KEEP	Toledo Area Private Industry Council	\$200,000	\$0	\$0	\$89,894	\$289,894
8631	Sullivan, Jerome	PI	Tech Prep FY'99 Base Grant	Ohio Department of Education	\$116,000	\$5,800	\$0	\$0	\$116,000

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
8530	Sullivan, Jerome	PI	Original Tech-Prep Grant Carry-Over Funds	Ohio Department of Education	\$27,188	\$1,358	\$6,000	\$0	\$33,188
8785	Sullivan, Jerome Pietras, Nancy	PI Co1	Northwest Ohio Tech Prep Consortium FY99 Enrollment Supplement	Ohio Department of Education	\$193,447	\$9,672	\$19,998	\$28,767	\$242,212
8235	Sullivan, Jerome	PI	Northwest Ohio Tech Prep Consortium	Ohio Department of Education	\$144,371	\$6,875	\$27,946	\$11,364	\$183,681

Summary for Administration, University Community and Technical College (7 awards)

Sum					\$801,531	\$26,940	\$53,944	\$174,161	\$1,029,636
Percent					5.15%	1.64%	3.34%	3.29%	4.58%

Number of Awards for University Community and Technical College = 7

Sum					\$801,531	\$26,940	\$53,944	\$174,161	\$1,029,636
Percent					5.15%	1.64%	3.34%	3.29%	4.58%

Undergraduate and Graduate Education

The Graduate School

8516	Bulmahn, Heinz	PI	OBOR Stars Program	Miami University	\$3,100	\$0	\$0	\$0	\$3,100
<i>Summary for The Graduate School (1 award)</i>									
Sum					\$3,100	\$0	\$0	\$0	\$3,100
Percent					0.02%	0.00%	0.00%	0.00%	0.01%

The Honors Program

8640	Bohn, Randy Hoch, David	PI Co1	The Communities of Inquiry	National Conference on Undergraduate Research / Lancy Foundation	\$41,091	\$0	\$0	\$22,285	\$63,376
-------------	----------------------------	-----------	----------------------------	--	----------	-----	-----	----------	----------

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
<i>Summary for The Honors Program (1 award)</i>									
Sum					\$41,091	\$0	\$0	\$22,285	\$63,376
Percent					0.26%	0.00%	0.00%	0.42%	0.28%

University Office of Research

8196	Hoss, Wayne	PI	Research Challenge Program 1999	Ohio Board of Regents	\$311,790	\$0	\$0	\$0	\$311,790
<i>Summary for University Office of Research (1 award)</i>									
Sum					\$311,790	\$0	\$0	\$0	\$311,790
Percent					2.00%	0.00%	0.00%	0.00%	1.39%

Number of Awards for Undergraduate and Graduate Education = 3

Sum					\$355,981	\$0	\$0	\$22,285	\$378,266
Percent					2.29%	0.00%	0.00%	0.42%	1.68%

Student Services

Administration, Student Affairs

8108	Haefner, Jean	PI	The University of Toledo's Binge Drinking Project	Ohio Department of Alcohol and Drug Abuse Services	\$25,000	\$0	\$0	\$12,880	\$37,880
8491	Haefner, Jean	PI	UT Alcohol, Drugs and Violence Awareness Project	Ohio Department of Alcohol and Drug Abuse Services	\$4,000	\$0	\$0	\$0	\$4,000
8400	Wasielewski, Norine	PI	Celebrating Health in Diversity	Ohio Commission on Minority Health	\$2,000	\$0	\$0	\$2,704	\$4,704
<i>Summary for Administration, Student Affairs (3 awards)</i>									
Sum					\$31,000	\$0	\$0	\$15,584	\$46,584
Percent					0.20%	0.00%	0.00%	0.29%	0.21%

<i>RNUM</i>	<i>Researcher(s)</i>	<i>Role</i>	<i>Project Title</i>	<i>Sponsor</i>	<i>Sponsor Award \$</i>	<i>(Sponsor Ind. C. \$)</i>	<i>Other Source \$</i>	<i>UT Contrib \$</i>	<i>Total Award</i>
<u><i>Center for Women</i></u>									
8848	Murphy, Patricia	PI	Displaced Homemakers Program	Ohio Board of Regents	\$68,553	\$0	\$0	\$0	\$68,553
<i>Summary for Center for Women (1 award)</i>									
Sum					\$68,553	\$0	\$0	\$0	\$68,553
Percent					0.44%	0.00%	0.00%	0.00%	0.30%
<u><i>Division of Student Affairs</i></u>									
8422	Young, David	PI	Upward Bound Program	U.S. Department of Education	\$326,283	\$20,561	\$0	\$63,038	\$389,321
<i>Summary for Division of Student Affairs (1 award)</i>									
Sum					\$326,283	\$20,561	\$0	\$63,038	\$389,321
Percent					2.09%	1.25%	0.00%	1.19%	1.73%
Number of Awards for Student Services = 5									
Sum					\$425,836	\$20,561	\$0	\$78,622	\$504,458
Percent					2.73%	1.25%	0.00%	1.48%	2.24%
Grand Total	Total Number of Awards = 343				\$15,578,727	\$1,642,387	\$1,612,871	\$5,298,120	\$22,489,718