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Dear Colleagues:

On behalf of Wright State University and the Office of
Research and Sponsored Programs, it is a pleasure for me to
present this report of research activities for the fiscal year 1999-
2000 (July 1, 1999, to June 30, 2000).

For the first time in the University’s history, Wright State faculty and staff exceeded
the $45 million mark in the quest for externally sponsored projects. This represents a
30% increase over last year and a total increase over the past ten years of 250%. The
explosive growth in funded projects during the past decade is indicative of a talented and
energetic faculty and staff.

Wright State University’s achievements cannot be measured by simple statistics
alone, however. Every day the faculty and staff demonstrate their excellence in the
sciences, arts, and education, while simultaneously conducting research and publishing
these results in peer-reviewed journals. Sponsors run the gamut from the biggest and best
known federal agencies to local governments, industry, and foreign agencies. Obviously,
the Wright State University community is making an impact at both the national and
international levels.

We are proud of the accomplishments of Wright State University and would welcome
your comments or requests for further information about our university.

Joseph F. Thomas, Jr.
Associate Provost for Research, and
Dean, School of Graduate Studies
FUNDING HIGHLIGHTS

James P. Amon, Biological Sciences, College of Science and Mathematics, awarded $341,000 from the Dayton Area Graduate Studies Institute (DAGSI) for a project entitled, 

**Abiotic and Biochemical Contaminant Fate and Remediation**

Dr. Amon investigates abiotic and biochemical processes relating to the fate and degradation of contaminants in subsurface environments.

Larry G. Arlian, Biological Sciences, College of Science and Mathematics, awarded $306,042 from the National Institute of Allergy and Infectious Diseases (NIAID) for a project entitled, 

**Scabies: Biology, Culture, Host Specificity and Antigens**

This investigator will continue his research to isolate and characterize *S. scabiei* antigens and to isolate the cell-mediated and humoral response mechanisms to these antigens.

Steven J. Berberich, Biochemistry and Molecular Biology, School of Medicine, awarded $225,225 from the National Institutes of Health for a project entitled, 

**MdmX Regulation of the p53 Tumor Suppression Protein**

The hypothesis of this project is that the MdmX protein is capable of maintaining p53 protein levels in undamaged cells and thus represents a novel target for regulating tumor activity.

Michael T. Cox, Computer Science and Engineering, College of Engineering and Computer Science, awarded $304,095 from the Dayton Area Graduate Studies Institute (DAGSI) for a project entitled, 

**Collaborative Information Systems and Adaptive Work Processes**

Agent-based architectures for distributed collaborative planning will be studied.

Jay B. Dean, Physiology and Biophysics, School of Medicine, awarded $211,379 from the National Heart, Lung, and Blood Institute (NHLBI) for a project entitled, 

**Intracellular pH Responses of Central Chemoreceptors**

Dr. Dean will use a novel technique to study the intracellular pH (pHi) regulation in chemosensitive and chemoinsensitive central neurons and to test the hypothesis that pHi is the proximate chemosensitive signal.
Jane L. Dockery, Center for Urban and Public Affairs, College of Liberal Arts, awarded $280,000 from the Clark County Combined Health District for a project entitled,

*A Nine County Health Needs Assessment and Planning Process*

Together with the Clark County Combined Health District and the Greater Dayton Area Hospital Association, WSU will provide the leadership and collaboration to perform a community health needs assessment and community health plan in nine counties.

Robert E. W. Fyffe, Anatomy, School of Medicine, awarded $273,321 from the National Institute of Neurological Disorders and Stroke (NINDS) for a project entitled,

*Mechanisms of Mammalian Neuronal Integration*

This grant provides funding for research into understanding the synaptic and integrative mechanisms involved in motor control circuits in the mammalian spinal cord.

Oscar N. Garcia, Computer Science and Engineering, College of Engineering and Computer Science, awarded $209,287 from the National Science Foundation for a project entitled,

*Speech Driven Facial Animation*

These funds will be used to develop a faithful three-dimensional animation of the face of a given speaker, accurately articulating visible speech and preserving the natural synchronism between the utterances of the speaker and the corresponding facial movements.

Ramana V. Grandhi, Mechanical and Materials Engineering, College of Engineering and Computer Science, awarded $212,466 from the Dayton Area Graduate Studies Institute (DAGSI) for a project entitled,

*Computational Nonlinear Aeroelasticity Multidisciplinary Analysis and Design*

These funds will enable Dr. Grandhi to develop computational algorithms for the rapid analysis and design of flexible aerospace vehicles.

Shumei S. Guo, Community Health, School of Medicine, awarded $255,723 from the National Institute of Child Health and Human Development (NICHD) for a project entitled,

*Sexual Maturity for U.S. Children: Relationship with Growth*

The major focus of the project is on the development of statistical models for analyzing longitudinal data.
Paul R. Hernandez, Computing and Telecommunications Services, awarded $350,000 from the National Science Foundation for a project entitled, **High Performance Connection**

This funding will provide a very high speed backbone network service (VBNS) connection between WSU and the Ohio Academic Resources network (OARnet) to expand the university's communication within the research and educational community.

I. Michael Leffak, Biochemistry and Molecular Biology, School of Medicine, awarded $270,305 from the National Institute of General Medical Sciences (NIGMS) for a project entitled, **Analysis of the Human c-myc Gene Replication Origin**

Dr. Leffak will identify the structures that define a mammalian DNA replication origin and help understand the mechanism of origin activation.

David C. Look, Semiconductor Research Center, College of Science and Mathematics, awarded $430,000 from the Air Force Research Laboratory (AFRL) for a project entitled, **Advanced Device Structures**

The investigator will study electronic device designs and their application to Air Force systems.

Patricia A. Martin, College of Nursing and Health, awarded $292,940 from the Health Resources and Services Administration for a project entitled, **Family Nurse Practitioner First and Second Master's**

This award will fund the expansion of the second master's and continue the first master's Family Nurse Practitioner (FNP) program at WSU's College of Nursing and Health.

Bonnie K. Mathies, Education and Human Services - Administration, College of Education and Human Services, awarded $200,000 from Ohio SchoolNet for a project entitled, **K–16 Technology Framework for Ohio Educators**

These funds are to be used to design a common K–16 framework based on accepted standards for preparing pre-service and in-service teachers.

James N. McDougal, Pharmacology and Toxicology, School of Medicine, awarded $248,595 from the Centers for Disease Control and Prevention (CDC) for a project entitled, **Prediction of Irritation Based on Exposure Duration**

These studies will help improve our understanding of occupational dermatitis and will help select chemicals that do not cause irritation.
Stanley R. Mohler, Community Health, School of Medicine, awarded $412,000 from the National Aeronautics and Space Administration for a project entitled, 

Aerospace Medicine Residency Program
This grant will provide continued support for the training of Residents in Aerospace Medicine.

Dennis C. Moore, Community Health, School of Medicine, awarded $577,032 from the U.S. Department of Education for a project entitled, 

Rehabilitation Research and Training Centers (RRTC) on Drugs and Disability
The members of RRTC will continue to address issues of substance abuse, disability, and vocational rehabilitation outcomes, with an emphasis on vocational rehabilitation consumers who experience substance abuse as a co-existing disability.

Jogeshwar Mukherjee, Internal Medicine, School of Medicine, awarded $200,000 from the U.S. Department of Energy for a project entitled, 

Development of Dopamine Receptor Radiopharmaceuticals for the Study of Neurological and Psychiatric Disorders
This grant will be used to continue and extend the development and characterization of high affinity radiopharmaceuticals that are specific for dopamine receptors and that can be used with positron emission tomography (PET) to study various neurological and psychiatric disorders.

Sundaram Narayanan, Biomedical, Industrial and Human Factors Engineering, College of Engineering and Computer Science, awarded $221,180 from the Dayton Area Graduate Studies Institute (DAGSI) for a project entitled, 

Models, Web-Based Simulations and Integrated Analysis Techniques for Improved Logistical Performance
These funds will be used to develop a web-based, portable, and reusable environment for simulation modeling and analysis.

Barbara S. O'Brien, College of Nursing and Health, awarded $367,184 from the Health Resources and Services Administration for a project entitled, 

Online Nurses: RN-BSN Program via the Internet
This grant will enable nurses to complete all nursing courses required for the Wright State University College of Nursing and Health RN/BSN program through distributed learning via the Internet.
James E. Olson, Emergency Medicine, School of Medicine, awarded $245,946 from the National Institute of Neurological Disorders and Stroke (NINDS) for a project entitled, *Mechanisms of Cellular Taurine Transport in Brain Edema*. This grant provides funding for the investigator to continue to evaluate the process of net osmolyte transfer between brain cells in situ for regulation and maintenance of normal neuronal cell volume.

Daniel T. Organisciak, Biochemistry and Molecular Biology, School of Medicine, awarded $292,585 from the National Eye Institute (NEI) for a project entitled, *Environmental Light and Retinal Membrane Development*. Dr. Organisciak will continue to evaluate the effects of visible light on the composition and metabolism of retinal tissue.

Francis Quek, Computer Science and Engineering, College of Engineering and Computer Science, awarded $2,536,054 from the National Science Foundation for a project entitled, *Cross-Modal Analysis of Signal and Sense*. This funding will furnish the enabling technology for computation, data management, and access, and address scientific questions fundamental to the understanding of human communication.

Blair A. Rowley, Biomedical, Industrial and Human Factors Engineering, College of Engineering and Computer Science, awarded $270,612 from the Ohio Rehabilitation Services Commission for a project entitled, *Rehabilitation Technology Contract*. Funds are provided to conduct a post-graduate professional training program designed to meet the needs of the Ohio Rehabilitation Services Commission.

Kristine A. Scordo, College of Nursing and Health, awarded $217,963 from the Health Resources and Services Administration for a project entitled, *Acute Care Nurse Practitioner Program*. This grant will be used to establish an Adult Acute Care Nurse Practitioner Program (ACNP) within the existing master of science degree program in nursing at Wright State University.
Harvey A. Siegal, Community Health, School of Medicine, awarded $2,664,986 from various sponsors for research and services related to drug use and treatment, including $927,788 from the National Institute on Drug Abuse (NIDA) for a project entitled, 

*Continuing Study of Case Management Treatment Enhancements*

For this project, staff will develop and evaluate an enhanced treatment-induction procedure and an intensive case management/advocacy program.

Roger M. Siervogel, Community Health, School of Medicine, awarded $1,140,500 from the National Institute of Child Health and Human Development (NICHD) for a project entitled, 

*Subcutaneous Fat, Blood Lipids, and Subsequent Outcome*

The sponsor has provided continued support of the serial analyses of body composition, fat-related variables, and risk factors for growth, development, and disease (the Fels’ Longitudinal Study).

Bradford Towne, Community Health, School of Medicine, awarded $428,837 from the National Institute of Child Health and Human Development (NICHD) for a project entitled, 

*Genetic Epidemiology of Childhood Skeletal Maturation*

These funds will be used to evaluate the genetic involvement in skeletal maturation throughout childhood; locate and determine the significance of as-yet-undetermined genes influencing this skeletal maturation; and evaluate the contributions of multiple gene sites to this process.

Michele G. Wheatly, Biological Sciences, College of Science and Mathematics, awarded $259,754 from the National Science Foundation for a project entitled, 

*UMEB: Wright State University Partners with Wilberforce University*

This grant will support research in environmental stress for undergraduates with disabilities and ethnic minorities; increase their entry into graduate programs in environmental biology; and foster interdisciplinary approaches to environmental biology upon which to build curricular and research initiatives.
### Table 1: Awards by Major Funding Source FY00

<table>
<thead>
<tr>
<th>Major Funding Source</th>
<th>Number of Awards</th>
<th>Amount Awarded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal Agencies</td>
<td>116</td>
<td>$19,214,165</td>
</tr>
<tr>
<td>State Agencies</td>
<td>78</td>
<td>$13,454,229</td>
</tr>
<tr>
<td>Non-Profits</td>
<td>46</td>
<td>$3,438,066</td>
</tr>
<tr>
<td>Industry/Business</td>
<td>131</td>
<td>$2,959,510</td>
</tr>
<tr>
<td>Educational Institutions</td>
<td>35</td>
<td>$2,657,714</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>20</td>
<td>$1,843,785</td>
</tr>
<tr>
<td>Other Government Agencies</td>
<td>45</td>
<td>$1,648,637</td>
</tr>
<tr>
<td>Foreign Sponsors</td>
<td>4</td>
<td>$122,943</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>475</strong></td>
<td><strong>$45,339,049</strong></td>
</tr>
</tbody>
</table>

### Table 2: Awards by Campus Area FY00

<table>
<thead>
<tr>
<th>Campus Area</th>
<th>Number of Awards</th>
<th>Amount Awarded</th>
</tr>
</thead>
<tbody>
<tr>
<td>School of Medicine</td>
<td>103</td>
<td>$12,777,203</td>
</tr>
<tr>
<td>School of Graduate Studies</td>
<td>11</td>
<td>$10,756,256</td>
</tr>
<tr>
<td>College of Engineering &amp; Computer Science</td>
<td>84</td>
<td>$8,360,516</td>
</tr>
<tr>
<td>College of Science &amp; Mathematics</td>
<td>151</td>
<td>$5,712,502</td>
</tr>
<tr>
<td>Universitywide/Miscellaneous</td>
<td>13</td>
<td>$1,708,050</td>
</tr>
<tr>
<td>Student Services</td>
<td>9</td>
<td>$1,454,972</td>
</tr>
<tr>
<td>College of Nursing &amp; Health</td>
<td>8</td>
<td>$1,329,317</td>
</tr>
<tr>
<td>College of Education &amp; Human Services</td>
<td>19</td>
<td>$1,264,769</td>
</tr>
<tr>
<td>School of Professional Psychology</td>
<td>43</td>
<td>$875,493</td>
</tr>
<tr>
<td>College of Liberal Arts</td>
<td>25</td>
<td>$799,842</td>
</tr>
<tr>
<td>College of Business &amp; Administration</td>
<td>5</td>
<td>$190,396</td>
</tr>
<tr>
<td>Lake Campus</td>
<td>4</td>
<td>$109,733</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>475</strong></td>
<td><strong>$45,339,049</strong></td>
</tr>
</tbody>
</table>
Awards by Major Funding Source FY00

- **Federal Agencies**: 42.4%
- **State Agencies**: 29.7%
- **Non-Profits**: 7.6%
- **Educational Institutions**: 5.9%
- **Industry/Business**: 6.5%
- **Miscellaneous**: 4.1%
- **Foreign Sponsors**: 0.3%
- **Other Government Agencies**: 3.6%

Awards by Campus Area FY00

- **Medicine**: 28.2%
- **Grad. Studies**: 23.7%
- **Engineering**: 18.4%
- **Sci. & Math.**: 12.6%
- **Lake Campus**: 0.2%
- **Other**: 3.8%
- **Student**: 3.2%
- **Nursing**: 2.9%
- **Education**: 2.8%
- **Prof. Psych.**: 1.9%
- **Liberal Arts**: 1.8%
- **Business**: 0.4%
### Table 3: Awards by Type FY99 vs. FY00

<table>
<thead>
<tr>
<th>Type</th>
<th>FY99 Number of Awards</th>
<th>FY99 Amount Awarded</th>
<th>FY00 Number of Awards</th>
<th>FY00 Amount Awarded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research</td>
<td>267</td>
<td>$17,836,997</td>
<td>293</td>
<td>$24,702,433</td>
</tr>
<tr>
<td>Instruction</td>
<td>63</td>
<td>$2,599,753</td>
<td>79</td>
<td>$3,776,997</td>
</tr>
<tr>
<td>Institutional Support</td>
<td>32</td>
<td>$9,722,368</td>
<td>35</td>
<td>$12,429,788</td>
</tr>
<tr>
<td>Public Service</td>
<td>79</td>
<td>$2,868,114</td>
<td>53</td>
<td>$2,765,367</td>
</tr>
<tr>
<td>Student Aid</td>
<td>10</td>
<td>$1,403,724</td>
<td>11</td>
<td>$1,648,734</td>
</tr>
<tr>
<td>Development</td>
<td>11</td>
<td>$211,206</td>
<td>4</td>
<td>$15,730</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>462</strong></td>
<td><strong>$34,642,162</strong></td>
<td><strong>475</strong></td>
<td><strong>$45,339,049</strong></td>
</tr>
</tbody>
</table>

### Table 4: Ten Years of Funding: Grant and Contract Awards FY91 to FY00

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Number of Awards</th>
<th>Amount Awarded</th>
<th>Increase/Decrease</th>
</tr>
</thead>
<tbody>
<tr>
<td>1990–91</td>
<td>356</td>
<td>$18,340,673</td>
<td></td>
</tr>
<tr>
<td>1991–92</td>
<td>363</td>
<td>$20,687,323</td>
<td>13%</td>
</tr>
<tr>
<td>1992–93</td>
<td>376</td>
<td>$23,771,626</td>
<td>15%</td>
</tr>
<tr>
<td>1993–94</td>
<td>378</td>
<td>$22,972,429</td>
<td>-3%</td>
</tr>
<tr>
<td>1994–95</td>
<td>439</td>
<td>$25,207,174</td>
<td>10%</td>
</tr>
<tr>
<td>1995–96</td>
<td>457</td>
<td>$26,104,247</td>
<td>4%</td>
</tr>
<tr>
<td>1996–97</td>
<td>535</td>
<td>$31,336,991</td>
<td>20%</td>
</tr>
<tr>
<td>1997–98</td>
<td>462</td>
<td>$30,283,100</td>
<td>-3%</td>
</tr>
<tr>
<td>1998–99</td>
<td>460</td>
<td>$34,642,162</td>
<td>14%</td>
</tr>
<tr>
<td>1999–00</td>
<td>475</td>
<td>$45,339,049</td>
<td>31%</td>
</tr>
</tbody>
</table>
Figure 3

Awards by Type FY99 vs. FY00
(in millions)

Figure 4

10 Year Trend FY91 to FY00

Amt. Awarded (millions)
Linear (Approximating)
Table 5: Awards by Type and Campus Area FY00

<table>
<thead>
<tr>
<th>College/ School</th>
<th>Research</th>
<th>Instruction</th>
<th>Pub. Serv.</th>
<th>Other</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medicine</td>
<td>$10,106,634</td>
<td>$217,410</td>
<td>$1,582,363</td>
<td>$870,796</td>
<td>$12,777,203</td>
</tr>
<tr>
<td>Grad. Studies</td>
<td>$855,945</td>
<td></td>
<td>$9,900,311</td>
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<td>$10,756,256</td>
</tr>
<tr>
<td>Engineering</td>
<td>$7,495,434</td>
<td>$489,741</td>
<td>$375,341</td>
<td></td>
<td>$8,360,516</td>
</tr>
<tr>
<td>Sci. &amp; Math.</td>
<td>$5,049,161</td>
<td>$371,557</td>
<td>$1,300</td>
<td>$290,484</td>
<td>$5,712,502</td>
</tr>
<tr>
<td>Other</td>
<td>$552,069</td>
<td>$125,000</td>
<td>$371,647</td>
<td>$2,114,306</td>
<td>$3,163,022</td>
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<tr>
<td>Nursing</td>
<td>$5,219</td>
<td>$878,087</td>
<td>$150,000</td>
<td>$296,011</td>
<td>$1,329,317</td>
</tr>
<tr>
<td>Education</td>
<td></td>
<td>$1,223,769</td>
<td>$41,000</td>
<td></td>
<td>$1,264,769</td>
</tr>
<tr>
<td>Prof. Psych.</td>
<td>$234,257</td>
<td>$401,655</td>
<td>$168,551</td>
<td>$71,030</td>
<td>$875,493</td>
</tr>
<tr>
<td>Liberal Arts</td>
<td>$350,000</td>
<td>$1,000</td>
<td>$355,773</td>
<td>$93,069</td>
<td>$799,842</td>
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<tr>
<td>Business</td>
<td>$53,714</td>
<td>$68,778</td>
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<td>$67,904</td>
<td>$190,396</td>
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<tr>
<td>Lake Campus</td>
<td></td>
<td></td>
<td>$94,733</td>
<td>$15,000</td>
<td>$109,733</td>
</tr>
<tr>
<td>TOTAL</td>
<td>$24,702,433</td>
<td>$3,776,997</td>
<td>$2,765,367</td>
<td>$14,094,252</td>
<td>$45,339,049</td>
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</tbody>
</table>
Table 6: Awards by Federal Agency and Campus Area FY00

<table>
<thead>
<tr>
<th>College/ School</th>
<th>DHHS</th>
<th>NSF</th>
<th>ED</th>
<th>DoD</th>
<th>Other Fed</th>
<th>Federal Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medicine</td>
<td>$7,081,613</td>
<td>$680,705</td>
<td>$494,402</td>
<td>$874,905</td>
<td>$9,131,625</td>
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<tr>
<td>Engineering</td>
<td>$3,324,446</td>
<td>$100,000</td>
<td>$930,583</td>
<td>$179,629</td>
<td>$4,534,658</td>
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<tr>
<td>Sci. &amp; Math.</td>
<td>$498,231</td>
<td>$817,616</td>
<td>$149,926</td>
<td>$898,573</td>
<td>$192,359</td>
<td>$2,556,705</td>
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<tr>
<td>Other</td>
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<td>$1,792,972</td>
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<td>Nursing</td>
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<td>$949,098</td>
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<td>$949,098</td>
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<tr>
<td>Business</td>
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<td>$66,278</td>
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<td>$116,278</td>
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<tr>
<td>Prof. Psych.</td>
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<td>$71,030</td>
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<td>Education</td>
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<td>$61,799</td>
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<td>Liberal Arts</td>
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<tr>
<td>Lake Campus</td>
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<tr>
<td>Grad. Studies</td>
<td></td>
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<td></td>
<td></td>
<td>$0</td>
</tr>
<tr>
<td>TOTAL</td>
<td>$8,670,196</td>
<td>$4,492,062</td>
<td>$2,406,227</td>
<td>$2,398,787</td>
<td>$1,246,893</td>
<td>$19,214,165</td>
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</tbody>
</table>
SPONSORS

Educational Institutions
Cleveland State University
Darke County Educational Service Center
Division of Applied Psychology Foundation
Highland Local Schools
Lima Technical College
Loveland City Schools
Miami University
National Space Biomedical Research Institute
Ohio State University
Rochester City Schools
Sinclair Community College
State University of New York (SUNY)
Trotwood-Madison Schools
University of Akron
University of Cincinnati
University of Connecticut
University of Dayton
University of Utah
Virginia Commonwealth University
Wichita State University

Federal
Corporation for National & Community Service
DHHS, Centers for Disease Control and Prevention (CDC)
DHHS, Health Resources and Services Administration
DHHS, National Cancer Institute (NCI)
DHHS, National Center for Research Resources (NCRR)
DHHS, National Eye Institute (NEI)
DHHS, National Heart, Lung, and Blood Institute (NHLBI)
DHHS, National Institute of Allergy and Infectious Diseases (NIAID)
DHHS, National Institute of Child Health and Human Development (NICHD)
DHHS, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
DHHS, National Institute of General Medical Sciences (NIGMS)
DHHS, National Institute of Neurological Disorders and Stroke (NINDS)
DHHS, National Institute on Aging (NIA)
DHHS, National Institute on Drug Abuse (NIDA)
DoD, Air Force, AFROTC
DoD, Air Force, Air Force Research Laboratory
DoD, Air Force Office of Scientific Research (AFOSR)
DoD, Defense Acquisition University
DoD, Naval Aeromedical Research Laboratory
DoD, Office of Naval Research
DoD, U.S. Military Academy (West Point)
National Aeronautics and Space Administration
National Science Foundation (NSF)
NSF, Course, Curriculum and Laboratory Improvement
SPONSORS

NSF, Faculty Early Career Development (CAREER)
NSF, International Travel Grant
NSF, Research Experiences for Undergraduates
U.S. Department of Agriculture
U.S. Department of Education
U.S. Department of Education, FIPSE
U.S. Department of Energy
U.S. Department of Transportation, Federal Aviation Administration
U.S. Environmental Protection Agency
Veterans Affairs Medical Center

Foreign
Advanced Telecommunications Research Integration and Communications Research Laboratories
Japan Atomic Energy Research Institute
Laboratorios Dr. Esteve, S.A.
United Kingdom Divisions of Elf and Total

Industry/Business
A & S Pacific International, Inc.
Alcon Laboratories, Inc.
Aldrich Chemical Company
Allergy Laboratories, Inc.
American Society for Quality
Analytical Laboratories, Inc.
Artemis
Astra Arcus USA
ATANOR
Automotive Systems Laboratory, Inc.
Bio Gro
Cabot Corporation
Camelot R&D, Inc.
Children's Medical Center
Cincinnati Center for Developmental Disorders
Clorox Company, The
CompuTown
Copeland Corporation
Covance, Inc.
Darke County Mental Health Center
Delphi Chassis Systems
Delphi Harrison Thermal Systems
Dettmer Hospital
DWJ Television
Elsevier Science
Employee Care of Miami Valley and Good Samaritan Hospitals
Franciscan Health System of the Ohio Valley, Inc.
Genencor International, Inc.
Gilead Sciences, Inc.
Grand Lake/Mercer County Research, Inc.
SPONSORS

Harding Lawson Associates
Iams Company, The
International Sleep Products Association
Kettering Medical Center
Klein Associates, Inc.
MetLab, Division Metallurgical Services, Inc.
Miami Valley Hospital
Mission Research Corporation
Mound Laser and Photonics Center, Inc.
NCR Corporation
New York Organic Fertilizer Company
Norwich Consulting Services, Ltd.
N-Viro International Corp.
Ohio Aerospace Institute
Oxy Vinyls LP
Pain Care Institute
Panterra Corporation
Paracelsian, Inc.
Pfizer, Inc.
Procter & Gamble Company
Redamo Ventures
Research Corporation
Roy F. Weston, Inc.
S.C. Johnson Wax
Samaritan Center for Youth Resources
Southdown, Inc.
St. Joseph Children’s Treatment Center
Superconductive Components, Inc.
Sverdrup Technology, Inc.
Systran Corporation
Systran Federal Corporation (SFC)
Technical Management Concepts, Inc.
TEFAL
TIMET
Twin Valley Psychiatric System
U.S. Meat Export Federation
Universal Energy Systems, Inc. (UES, Inc.)
Universal Technology Corporation
University Medical Services Association
Varian Associates, Inc.
Velsicol Chemical Corporation
Wheelabrator Technologies

Non-Profit
AIDS Foundation of Miami Valley
American Federation for Aging Research, Ohio Affiliate
American Heart Association — National
American Heart Association — Ohio Valley Affiliate
SPONSORS

C.F. Kettering Foundation
Children’s Hospital Medical Center
Dayton Area Graduate Studies Institute (DAGSI)
Dayton Business Committee
Dayton Urban League
Eppley Foundation for Research, Inc.
Health Foundation of Greater Cincinnati
Iddings Foundation
Institute for Educational Inquiry
Miami Valley Competency Profiling Systems, Inc.
National Alliance for Autism Research
Ohio Academy of Family Physicians Foundation
Ohio Lions Eye Research Foundation (OLERF)
Oncology Nursing Foundation
Petroleum Research Fund - American Chemical Society
Project C.U.R.E., Inc.
Reach Out of Montgomery County
Scripps Gerontology Center
Susan G. Komen Breast Cancer Foundation
Talbert House
Whitaker Foundation

Other Government
Board of Lucas County Commissioners (Ohio)
Butler County Mental Health Board
City of Dayton Office of Management and Budget
City of Fairborn, Ohio
City of Memphis, Tennessee
City of Riverside, Ohio
City of Sturgis, Michigan
City of Troy
City of Wyoming, Michigan
Clark County Combined Health District
Greene County Department of Development
Miami Conservancy District
Montgomery County ADAMH Services Board
Montgomery County Combined Health District
Montgomery County Community Development Office
Montgomery County Juvenile Court
Montgomery County Sheriff’s Office
Shelby County Counseling Center
South Community Mental Health Center
State of Alabama
State of California
State of Connecticut
State of Florida
State of New York
State of Tennessee
SPONSORS

State of Texas
State of West Virginia
Village of Lodi, Ohio

State of Ohio
Edison Materials Technology Center (EMTEC)
Ohio Arts Council
Ohio Board of Regents
Ohio Commission on Minority Health
Ohio Department of Aging
Ohio Department of Alcohol & Drug Addiction Services
Ohio Department of Development
Ohio Department of Education
Ohio Department of Health
Ohio Department of Human Services
Ohio Department of Mental Health
Ohio Department of Rehabilitation & Correction
Ohio Department of Transportation
Ohio Historical Society
Ohio Humanities Council
Ohio Rehabilitation Services Commission
Ohio SchoolNet
Ohio Sea Grant College Program
Ohio Supercomputer Center
The Office of Research and Sponsored Programs (RSP) works with faculty and staff at Wright State University (WSU) to increase externally funded research and other sponsored programs. RSP staff members provide the following services:

**Identification of External Sources of Funding**

WSU subscribes to SPIN (Sponsored Programs Information Network), an electronic funding database of thousands of funding opportunities, available through the World Wide Web (WWW). In addition, WSU is a member of the Community of Science (COS), a resource for scientific information on the WWW. Membership in COS offers to WSU faculty a Funding Opportunities database, an Expertise database, “Faculty Match” software, “Funding Alert” e-mailed reminder system, and access to other COS databases. RSP also maintains a library of reference materials and monitors federal, state, and local newsletters, and publications for funding opportunities.

**Dissemination of Funding Information**

RSP produces *Funding Update*, a semi-monthly electronic bulletin of upcoming deadlines for funding programs, and *Research News*, a newsletter published three times per academic year, which covers grants awarded and related topics of interest. RSP maintains a computerized research interest profile database of over 600 WSU faculty and staff.

**Liaison with Sponsors**

RSP staff members serve as liaisons with public and private sponsors to discuss preliminary proposals, study and interpret program priorities and funding levels, observe trends in federal and non-federal programs; monitor proposals that have been submitted and attempt to expedite their review; stimulate interest in WSU by providing sponsors with information about faculty and staff research interests; and arrange for sponsors to visit WSU to discuss their funding programs.

**Proposal Development and Preparation**

RSP staff will help faculty develop preproposals, review proposals for completeness and proper assembly, interpret guidelines and regulations, present workshops on grantseeking, and assist faculty in locating alternative sources of funding.

**Budget Preparation**

RSP offers expertise in developing and reviewing final budget drafts that accurately reflect grant expenses, comply with university regulations, and meet agency guidelines, and assists in setting up computerized spreadsheets to develop multi-year budgets.
OVERVIEW

Institutional Authorization

RSP is the central office for the institutional review process for requests for external support; staff will obtain the appropriate necessary signatures.

Proposal Transmittal

RSP will make the necessary copies of the proposal, mail the proposal to the agency, and maintain files for tracking submissions.

Institutional Compliance

RSP staff checks for proper review and approval of all research involving animal use, human subjects, hazardous wastes, radioactive materials, recombinant DNA, and security classifications.

RSP administers the Institutional Review Board, the Institutional Biosafety Committee, the Laboratory Animal Care and Use Committee, and acts as a liaison with the University Radiation Safety Committee, and the Biological Chemical Health and Safety Committee.

Technology Transfer

RSP is the initial contact for information on copyrights and patents. WSU enlists the assistance of various technology transfer programs to help faculty in the evaluation, patenting, and licensing of inventions.

Administration of Externally Funded Programs

Following award notification, RSP will establish a budget and account number for the project, assist the project director in the orderly administration of the project, act as liaison between the sponsor and Principal Investigator (PI), keep the PI apprised of technical reports due dates, finalize all budget transfers, and prepare and submit fiscal reports.

Administration of Internally Funded Programs

RSP coordinates WSU’s four internal grant programs: Research Initiation Grants, Professional Development Grants, Research Challenge, and Research Travel.

Contract Negotiations

RSP staff is authorized to negotiate the terms of awards with potential sponsors.

Government Security

RSP is the clearinghouse for all government security matters involving WSU employees. RSP processes security clearances, monitors security activities and processes passes and credentials for individuals working on Department of Defense contracts and for research conducted on federal property.
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