

---

# RESEARCH IN REVIEW

a report of research activities for fiscal year  
*1998-99*



WRIGHT STATE  
*UNIVERSITY*

---

produced by the Office of Research and Sponsored Programs

# TABLE OF CONTENTS

---

<b>Introduction</b>	1
<b>Funding Highlights</b>	2
<b>Awards</b>	
Table 1: Awards by Campus Area FY99	7
Table 2: Awards by Major Funding Source FY99	7
Table 3: Ten Years of Funding: Grant and Contract Awards FY90 to FY99	8
Table 4: Dollars Awarded by Type: FY98 vs. FY99	8
Figure 1: Dollar Amount Awarded by Major Funding Source 1998-99	9
Figure 2: Number of Awards by Major Funding Source 1998-99	9
Figure 3: Dollar Amount Awarded by Campus Area 1998-99	10
Figure 4: Number of Awards by Type 1989-90 vs. 1998-99	10
<b>Sponsors</b>	
1998-99 Grants and Contract Awards Sponsor List	11
<b>Overview of the Office of Research and Sponsored Programs</b>	16

---

# RESEARCH IN REVIEW

a report of research activities for fiscal year  
1998-99

Winter 2000



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 1998-99 (July 1, 1998 to June 30, 1999).

For the second year in a row, Wright State University faculty and staff exceeded the \$30 million mark in the quest for externally sponsored projects. Just ten years ago, Wright State University's volume of funded grants and contracts hovered near \$12 million. Thus, the past decade's explosive growth in funded projects is indicative of an energetic, committed faculty and staff. In fact, during the last five years more than two out of three proposals submitted through the Office of Research and Sponsored Programs have been funded.

The National Science Foundation has released its latest figures (fiscal year 1996) and ranks Wright State University third in federal obligations for science and engineering among Ohio's public state institutions.

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 campus.

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

# Funding Highlights

---

**F. Javier Alvarez-Leefmans, M.D., Ph.D.**, Professor, Physiology and Biophysics, School of Medicine, awarded \$229,155 from the Department of Health and Human Services, National Institutes of Health, National Institute of Neurological Disorders and Stroke for the project entitled,

***“Cell Volume Regulation and Maintenance in Neurons.”***

*This funding will enable the investigator to continue his evaluation of cellular and molecular mechanisms by which neuronal cells regulate and maintain their water volume during changes in extracellular or intracellular water pressure that is due to external stimuli.*

**Larry G. Arlian, Ph.D.**, Professor, Biological Sciences, College of Science and Mathematics, awarded \$297,128 from the Department of Health and Human Services, National Institutes of Health, National Institute of Allergy and Infectious Diseases for the project entitled,

***“Scabies: Biology, Culture, Host Specificity and Antigens.”***

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

**P. Bruce Berra, Ph.D.**, Director, Information Technology Research Institute, College of Engineering and Computer Science, awarded \$315,200 from IT Alliance for the project entitled,

***“ITRI Cooperative RandD with IT Alliance 1998-99.”***

*These funds will be used to expand industry and university interaction through research collaboration, information exchange, and technology transfer.*

**Katherine L. Cauley, Ph.D.**, Assistant Professor, Research Affairs, School of Medicine, awarded \$318,806 from the U.S. Department of Education for the project entitled,

***“A Healthier Child is a Better Learner.”***

*This community-home-school partnership will provide health awareness and education for children and their parents, improve access to health care, increase use of existing primary care facilities, and raise kindergarten and school attendance.*

**W. Cameron Chumlea, Ph.D.**, Professor, Community Health, School of Medicine, awarded \$201,342 from the Department of Health and Human Services, National Institutes of Health, National Heart, Lung, and Blood Institute for the project entitled,

***“Multifrequency Impedance and Body Composition.”***

*Dr. Chumlea will investigate the analytical uses of a non-invasive method to quantify levels of total and regional body fatness in relationship to cardiovascular disease risk factors.*

# Funding Highlights

---

**Donna S. Courtney, Ed.D.**, Associate Professor, Educational Leadership, College of Education and Human Services, awarded \$275,899 from the Ohio Department of Education for the project entitled,

***“Regional Personnel Development Center.”***

*Dr. Courtney has received continued funding for the operation of the Southwest Ohio’s Regional Personnel Development Center.*

**Jay B. Dean, Ph.D.**, Associate Professor, Physiology and Biophysics, College of Science and Mathematics, awarded \$205,223 from the Department of Health and Human Services, National Institutes of Health, National Heart, Lung, and Blood Institute for the project entitled,

***“Intracellular pH Responses of Central Chemoreceptors.”***

*Dr. Dean will use these continuing funds to 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.*

**Jack L. Dustin, Ph.D.**, Associate Professor, Center for Urban and Public Affairs, College of Liberal Arts, awarded \$399,963 from U.S. Department of Housing and Urban Development for the project entitled,

***“Dayton Community Outreach Partnership Center.”***

*The center staff will focus their resources on providing outreach, technical assistance, empowerment and applied research services that address critical issues in four urban neighborhoods.*

**Robert E.W. Fyffe, Ph.D.**, Professor, Anatomy, School of Medicine, awarded \$262,804 from the Department of Health and Human Services, National Institutes of Health, National Institute of Neurological Disorders and Stroke for the project entitled,

***“Mechanisms of Mammalian Neuronal Integration.”***

*This funding will be used to continue and expand research into understanding the synaptic and integrative mechanisms involved in motor control circuits in the mammalian spinal cord.*

**Robert H. Gilkey, Ph.D.**, Associate Professor, Psychology, College of Science and Mathematics, awarded \$211,987 from the Department of Defense, Air Force Office of Scientific Research for the project entitled,

***“Cognitive Workload-Complex Synthetic Task Environment.”***

*This collaborative effort is designed to develop a more complete understanding of the human as an adaptive agent in complex operational environments.*

# Funding Highlights

---

**Margaret Clark Graham, Ph.D., CRNP**, Associate Professor, Nursing and Health, College of Nursing and Health, awarded \$262,052 from the Department of Health and Human Services, National Institutes of Health, Health Resources and Services Administration for the project entitled, ***“Nurse Practitioner/Nurse Midwifery Program.”***

*Dr. Graham will continue to develop a family nurse practitioner’s program in the College of Nursing and Health that is designed to provide primary care for underserved populations.*

**Shumei S. Guo, Ph.D.**, Professor, Community Health, School of Medicine, awarded \$200,815 from the Department of Health and Human Services, National Institutes of Health, National Institute of Child Health and Human Development for the project entitled,

***“Statistical Analysis of Body Composition Risk Factors.”***

*The overall goal of this project is to link recent statistical advances with current practice to improve the application of statistical methods in studies of human body composition and risk factors for cardiovascular and related diseases.*

**Dan E. Krane, Ph.D.**, Assistant Professor, Biological Sciences, College of Science and Mathematics, awarded \$420,278 from the Environmental Protection Agency for the project entitled,

***“Intraspecies Genetic Diversity Measures of Environmental Impacts.”***

*The project objective is to determine the suitability of RAPD-PCR (randomly amplified polymorphic DNA-polymerase chain reaction) based measures of genetic diversity as an alternative to, or screening test for, the U.S. Environmental Protection Agency acute and chronic toxicity and bioaccumulation tests.*

**James N. McDougal, Ph.D.**, Associate Professor, Pharmacology and Toxicology, School of Medicine, awarded \$245,082 from the Department of Health and Human Services, National Institutes of Health, Centers for Disease Control for the project entitled,

***“Prediction of Irritation Based on Exposure Duration.”***

*These funds will be used for a study to help improve our understanding of occupational dermatitis and will aid in selecting chemicals that do not cause irritation.*

**Stanley R. Mohler, Ph.D.**, Professor, Community Health, School of Medicine, awarded \$746,020 from National Aeronautics and Space Administration for the project entitled,

***“Aerospace Medicine Residency Program.”***

*Dr. Mohler has received continued support for the training of Residents in Aerospace Medicine.*

# Funding Highlights

---

**Dennis C. Moore, Ed.D.**, Associate Professor, Community Health, School of Medicine, awarded \$693,556 from U.S. Department of Education for the project entitled,

***“Rehabilitation Research and Training Centers (RRTC) on Drugs and Disability.”***

*The staff of the RRTC will continue to address issues of substance abuse, disability, and vocational rehabilitation outcomes, with an emphasis on substance abuse as a co-existing disability.*

**Jogeshwar Mukherjee, Ph.D.**, Associate Professor, Medicine, School of Medicine, awarded \$200,000 from U.S. Department of Energy for the project entitled,

***“Development of Dopamine Receptor Radiopharmaceuticals for the Study of Neurological and Psychiatric Disorders.”***

*This funding will be used to extend the development and characterization of high affinity radiopharmaceuticals that can be used with positron emission tomography (PET) to study various neurological and psychiatric disorders.*

**Sharmila M. Mukhopadhyay, Ph.D.**, Assistant Professor, Mechanical and Materials Engineering, College of Engineering and Computer Science, awarded \$300,000 from the National Science Foundation for the project entitled,

***“Ultra-High Resolution Photoelectron Spectroscopy Facility.”***

*These funds will be used to set up a photoelectron spectroscopy facility capable of high spectral and spatial resolutions.*

**Daniel T. Organisciak, Ph.D.**, Professor, Biochemistry and Molecular Biology, School of Medicine, awarded \$263,990 from the Department of Health and Human Services, National Institutes of Health, National Eye Institute for the project entitled,

***“Environmental Light and Retinal Membrane Development.”***

*Dr. Organisciak will continue to expand his study of the effects of visible light on the composition and metabolism of retinal tissue.*

**Neal S. Rote, Ph.D.**, Professor, Microbiology and Immunology, School of Medicine, awarded \$217,354 from the Department of Health and Human Services, National Institutes of Health, National Institute of Child Health and Human Development for the project entitled,

***“Antiphospholipid Antibodies and Disorders of Pregnancy.”***

*This investigator has received funding to continue his studies to characterize the antibodies formed against phospholipids and to evaluate their influence on pregnancy loss.*

# Funding Highlights

---

**Harvey A. Siegal, Ph.D.**, Professor, Community Health, School of Medicine, awarded \$2,743,837 from various sponsors for research and service related to drug use and treatment, including \$714,373 from the Department of Health and Human Services, National Institutes of Health, National Institute on Drug Abuse for the project entitled,

***“Crack and Health Service Use -- A Natural History Approach.”***

*For this project, staff will continue to develop a natural history of crack-cocaine users and will describe and analyze their use of health services and drug treatment programs.*

**Roger M. Siervogel, Ph.D.**, Professor, Community Health, School of Medicine, awarded \$1,085,016 from the Department of Health and Human Services, National Institutes of Health, National Institute of Child Health and Human Development for the project entitled,

***“Subcutaneous Fat, Blood Lipids and Subsequent Outcome.”***

*This funding is for continuation of the serial analyses of body composition, fat-related variables, and risk factors for growth, development, and disease (The Fels Longitudinal Study).*

**Thomas O. Tiernan, Ph.D.**, Research Professor, Administration - College of Science and Mathematics, awarded \$262,200 from the State of New York for the project entitled,

***“Analyses of Dioxins/Furans and PCBs by High Resolution Mass Spectrometry.”***

*Dr. Tiernan will analyze samples provided by the sponsor for chlorinated dioxins and dibenzofurans.*

**Bradford Towne, Ph.D.**, Associate Professor, Community Health, School of Medicine, awarded \$455,584 from the Department of Health and Human Services, National Institutes of Health, National Institute of Child Health and Human Development for the project entitled,

***“Genetic Epidemiology of Childhood Skeletal Maturation.”***

*Dr. Towne will evaluate the genetic involvement in skeletal maturation throughout childhood, locate and determine the significance of genes that may influence this skeletal maturation, and also evaluate the contributions to this process of multiple gene sites.*

# AWARDS

**Table 1: Awards by Campus Area FY99**

<b>Campus Area</b>	<b>Number of Awards</b>	<b>\$\$ Amount Awarded</b>
College of Business & Administration	5	\$171,346
College of Education & Human Services	25	1,163,871
College of Engineering & Computer Science	72	3,472,778
College of Liberal Arts	35	909,928
College of Nursing & Health	6	567,993
College of Science & Mathematics	137	4,109,307
Lake Campus	4	135,812
School of Graduate Studies	16	8,725,731
School of Medicine	102	13,006,056
School of Professional Psychology	40	716,556
Student Services	11	1,465,741
Others	7	197,043
<b>Total</b>	<b>460</b>	<b>\$34,642,162</b>

**Table 2: Awards by Major Funding Source FY99**

<b>Major Funding Source</b>	<b>Number of Awards</b>	<b>\$\$ Amount Awarded</b>
Educational Institutions	32	\$639,522
Federal Agencies	117	15,696,835
Foreign	1	46,886
Industrial	128	2,399,956
Miscellaneous	27	1,853,177
Non-Profits	39	1,622,155
Other Government	47	1,383,310
State Agencies	69	11,000,351
<b>Total</b>	<b>460</b>	<b>\$34,642,162</b>

# AWARDS

**Table 3: Ten Years of Funding: Grant and Contract Awards FY90 to FY99**

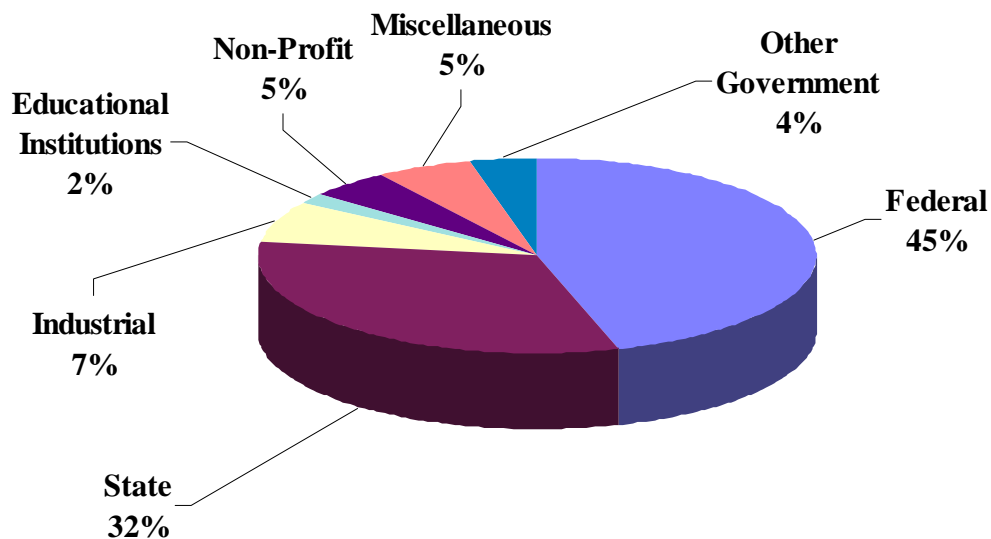
<b>Fiscal Year</b>	<b>Number of Awards</b>	<b>\$\$ Amount Awarded</b>	<b>% Increase/ &lt;%&gt; Decrease</b>
1989-90	348	14,131,699	21%
1990-91	356	18,340,673	30%
1991-92	363	20,687,323	13%
1992-93	376	23,771,626	15%
1993-94	378	22,972,429	< 3%>
1994-95	439	25,207,174	10%
1995-96	457	26,104,247	4%
1996-97	535	31,336,991	20%
1997-98	462	30,283,100	< 3%>
1998-99	460	34,642,162	14%

**Table 4: Dollars Awarded by Type: FY98 vs. FY99**

<b>Type</b>	<b>7/97-6/98</b>		<b>7/98 - 6/99</b>	
	<b>No. of Awards</b>	<b>\$\$ Amount Awarded</b>	<b>No. of Awards</b>	<b>\$\$ Amount Awarded</b>
Research	267	\$15,060,820	258	\$17,836,997
Instruction	63	3,216,352	68	2,599,753
Institutional Support	32	7,182,538	29	9,722,368
Public Service	79	3,066,639	85	2,868,114
Student Aid	10	1,532,753	9	1,403,724
Development	11	223,998	11	211,206
<b>Total</b>	<b>462</b>	<b>\$30,283,100</b>	<b>460</b>	<b>\$34,642,162</b>

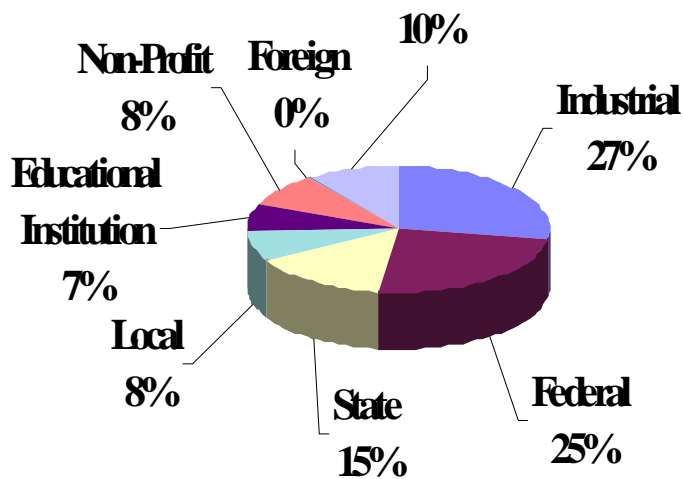
**Figure 1**

### Dollar Amount Awarded by Major Funding Source



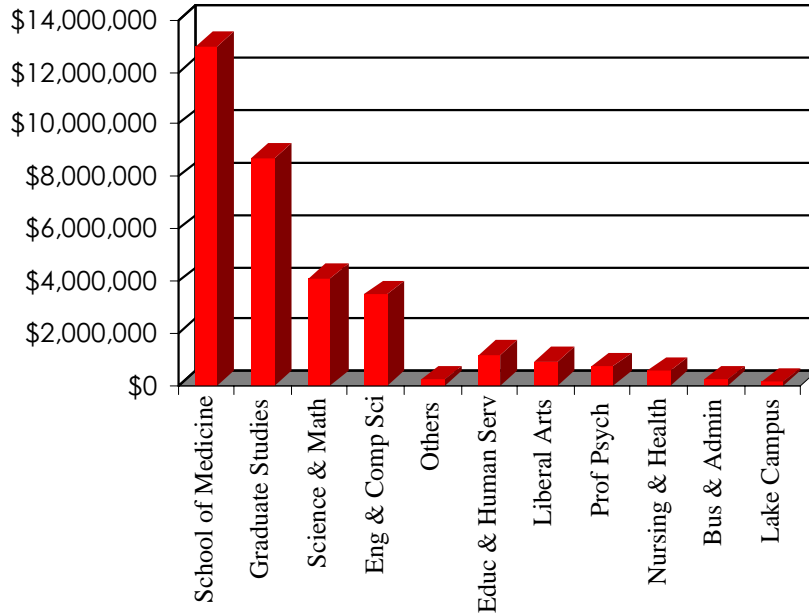
**Figure 2**

### Number of Awards by Major Funding Source



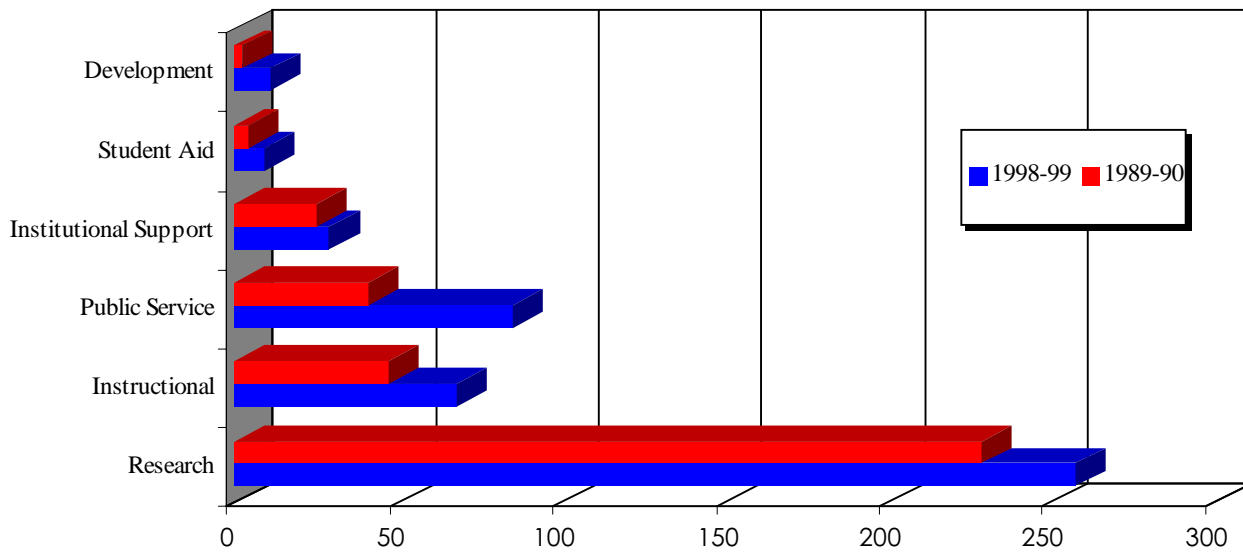
**Figure 3**

### Dollar Amount Awarded by Campus Area 1998-99



**Figure 4**

### Number of Awards by Type 1989-90 versus 1998-99



# SPONSORS

1998-99

---

## Educational Institutions

Ajou University  
Cleveland State University  
Dayton Public Schools  
Kent State University  
Kettering-Moraine School District  
Lima Technical College  
Louisiana State University  
Miami University  
Ohio State University  
Sinclair Community College  
State University of New York  
Talawanda City Schools  
Tipp City School District  
Trotwood-Madison Schools  
University of Akron  
University of Cincinnati  
University of Dayton  
University of Florida  
University of Illinois

## Federal

Corporation for National & Community Service  
Department of Health and Human Services (DHHS), Centers for Disease Control  
DHHS, Health Resources and Services Administration  
DHHS, National Cancer Institute  
DHHS, National Center for Research Resources  
DHHS, National Eye Institute  
DHHS, National Heart, Lung, and Blood Institute  
DHHS, National Institute of Allergy and Infectious Diseases  
DHHS, National Institute of Child Health and Human Development  
DHHS, National Institute of Dental Research  
DHHS, National Institute of Diabetes and Digestive and Kidney Diseases  
DHHS, National Institute of Neurological Disorders and Stroke  
DHHS, National Institute on Drug Abuse  
DHHS, NIH - Center for Scientific Review  
DHHS, Substance Abuse and Mental Health Services Administration  
DoD, Advanced Research Projects Agency  
DoD, Air Force, AFROTC  
DoD, Air Force, Air Force Research Laboratory  
DoD, Air Force Office of Scientific Research  
DoD, Defense Acquisition University  
National Aeronautics and Space Administration  
National Institute on Disability & Rehabilitation Research  
National Science Foundation  
U.S. Department of Agriculture  
U.S. Department of Education  
U.S. Department of Energy

# S PONSORS

**1998-99**

---

U.S. Department of Housing and Urban Development  
U.S. Environmental Protection Agency  
Veterans Affairs Medical Center

## **Foreign**

Japan Atomic Energy Research Institute  
Laboratorios Dr. Esteve, S.A.

## **Industrial**

AgrEvo Environmental Health Inc.  
Air Filter Testing Labs, Inc.  
Albaugh, Inc.  
Aldrich Chemical Company  
Allison Engine Company  
Amway Corporation  
Applied Sciences, Inc.  
Artemis  
ATANOR  
Baynacre, Inc.  
C.B.F. LETI, S.A.  
Calspan - University of Buffalo Research Center  
Center Pharmaceutical  
Central Clinic  
Cermet, Inc.  
Children's Medical Center  
Cincinnati Center for Developmental Disorders  
Commonwealth Edison  
Covance, Inc.  
Crisis Care  
Delphi Chassis Systems  
Dettmer Hospital  
DigiRad  
Dow Chemical  
DuPont Agricultural Products  
DynCorp  
F&S, Inc.  
Franciscan Health System of the Ohio Valley, Inc.  
Gasper Corporation  
Gilead Sciences, Inc.  
Good Samaritan Hospital  
Grand Lake/Mercer County Research, Inc.  
IT Corporation  
Jobs for Graduates, Inc.  
Kettering Medical Center  
Logicon Technical Services, Inc.  
ManTech Environmental Technology, Inc.

# S PONSORS

**1998-99**

---

Merck/Merck Research Laboratory  
MetLab, Division Metallurgical Services, Inc.  
Miami Valley Hospital  
Mission Research Corporation  
Modern Technologies Corporation  
Morris Bean & Company  
Mt. Orab Water Works  
NCR Corporation  
OAO Corporation  
Occidental Chemical Corporation  
Ohio Aerospace Institute  
Ohio Electronic Engravers, Inc.  
Pain Care Institute  
Panterra Corporation  
Paracelsian, Inc.  
Parsons Engineering Science, Inc.  
Paxar Graphics  
Priorities  
Procter & Gamble Company  
Reckitt & Colman, Inc.  
Rehabilitation Institute of Chicago  
Renaissance Engineering, Inc.  
Research & Development Laboratories  
S.C. Johnson Wax  
SelectTech Services Corporation  
Sigma-Aldrich  
Southdown, Inc.  
SpecTran Specialty Optics Company  
Structured Materials Industries, Inc.  
SurModics, Inc.  
Sverdrup Technology, Inc.  
Technical Management Concepts, Inc.  
TEFAL  
The Dayton Power and Light Company  
The Ecology Works, Inc.  
The Iams Company  
The New Algae Company  
TIMET  
TRW  
Twin Valley Psychiatric System  
U. S. Filter  
Universal Energy Systems, Inc.  
Universal Technology Corporation  
University Medical Services Association  
Upjohn Company  
Varian Associates, Inc.  
Veridian Engineering  
Wheelabrator Water Technologies

# S PONSORS

**1998-99**

---

Youth Partial Hospitalization  
YSI, Incorporated

## **Non-Profit**

AIDS Foundation of Miami Valley  
American Cancer Society - Ohio Division  
American Heart Association - National  
American Heart Association - Ohio Valley Affiliate  
Beaver Creek Wetlands Association, Inc.  
Burroughs Wellcome Fund  
C.F. Kettering Foundation  
Children's Hospital Medical Center  
Children's Hospital Research Foundation  
Dayton Area Graduate Studies Institute  
Dayton Business Committee  
Dayton Urban League  
Goodwill Industries of the Miami Valley  
Institute for Educational Inquiry  
Institute of Advanced Manufacturing Sciences, Inc.  
IT Alliance  
Matrix Psychological Services  
National Association of Small Business International Trade Educators  
New Choices Program  
Ohio Cancer Research Associates  
Ohio Lions Eye Research Foundation  
Project C.U.R.E., Inc.  
Think TV Network (Greater Dayton Public Television)  
United Way  
Welcome House of Northern Kentucky, Inc.  
Whitaker Foundation  
World Health Organization

## **Other Government**

Butler County Mental Health Board  
City of Dayton, Miscellaneous  
City of Fairborn, Ohio  
City of Hamilton, Ohio  
City of Piqua, Ohio  
City of Springboro, Ohio  
City of Springfield, Ohio  
Clark County Board of Commissioners  
Dayton Area Chamber of Commerce  
Greene County Family and Children First  
Miami Conservancy District

# SPONSORS

1998-99

---

Miami Valley Regional Planning Commission  
Miami Valley Regional Transit Authority  
Montgomery County ADAMH Services Board  
Montgomery County Board of Mental Retardation & Developmental Disabilities  
Montgomery County Combined Health District  
Montgomery County Community Development Office  
Montgomery County Juvenile Court  
Montgomery County Regional Arts and Cultural District  
Montgomery County Sheriff's Office  
Regional Office of Economic Development  
Shelby County Counseling Center  
South Community Mental Health Center  
State of Alabama  
State of Hawaii  
State of New York  
State of South Carolina  
State of South Dakota  
State of Tennessee  
State of Texas  
Village of Blanchester, Ohio  
Village of Lodi, Ohio

## State

Edison Materials Technology Center  
Ohio Arts Council  
Ohio Biological Surveys  
Ohio Board of Regents  
Ohio Commission on Minority Health  
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 Natural Resources  
Ohio Department of Rehabilitation & Correction  
Ohio Environmental Protection Agency  
Ohio Historical Society  
Ohio Rehabilitation Services Commission  
Ohio School-to-Work

# O VERVIEW

---

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.

---

### ***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.

### ***Contract Negotiations***

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

### ***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.

### ***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.

### ***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.

---

**O**ffice of Research and Sponsored Programs  
Wright State University  
3640 Colonel Glenn Highway  
Dayton, Ohio 45435-0001  
Telephone: (937) 775-2425  
Fax: (937) 775-3781  
e-mail: [rsp@wright.edu](mailto:rsp@wright.edu)  
URL: <http://www.wright.edu/rsp/>

**Dean, School of Graduate Studies, and Associate Provost for Research**  
Joseph F. Thomas, Jr., Ph.D.; <[jay.thomas@wright.edu](mailto:jay.thomas@wright.edu)>

**Director, Office of Research and Sponsored Programs**  
William K. Sellers, Ph.D.; <[william.sellers@wright.edu](mailto:william.sellers@wright.edu)>

**Senior Associate Director**  
Eugene P. Hern, Ph.D.; <[eugene.hern@wright.edu](mailto:eugene.hern@wright.edu)>

**Associate Directors**  
Ellen Reinsch Friese; <[ellen.friese@wright.edu](mailto:ellen.friese@wright.edu)>  
Glen Jones; <[glen.jones@wright.edu](mailto:glen.jones@wright.edu)>

**Grants and Contracts Specialists**  
Marianne Shreck; <[marianne.shreck@wright.edu](mailto:marianne.shreck@wright.edu)>  
Jackie Frederick; <[jackie.frederick@wright.edu](mailto:jackie.frederick@wright.edu)>

**Sponsored Programs Assistants**  
Cheryl Nickoson; <[cheryl.nickoson@wright.edu](mailto:cheryl.nickoson@wright.edu)>  
Christine Piekkola; <[christine.piekkola@wright.edu](mailto:christine.piekkola@wright.edu)>  
Jan Power; <[rsp@wright.edu](mailto:rsp@wright.edu)>  
Robyn James; <[robyn.james@wright.edu](mailto:robyn.james@wright.edu)>

**O**ffice of Research and  
Sponsored Programs  
Wright State University  
Dayton, Ohio 45435  
Voice: 937 775-2425  
FAX: 937 775-3781  
<http://www.wright.edu/rsp/>

---